Memorandum

Date:	September 16, 2015
To:	Honorable Chairman Jean Monestime and Members, Board of County Commissioners
From:	Carlos A. Gimenez Mayor
Subject:	Resolution Approving an Energy Services Agreement between Ameresco, Inc. and Miami-Dade County to Implement Energy Conservation Measures at Various Public Housing Sites and Related Financing Costs in an Amount not to Exceed $26 million and an amount of $2,606,127.00 to be Paid to Ameresco Inc., from Energy Savings over the 14 Year Term of the Agreement for its Annual Services and Authority to County Mayor to Negotiate and Execute a Third Party Equipment/Financing Agreement, Subject to United States Housing and Urban Development's Approval

Agenda Item No. 8(K)(1)

This item was amended at the August 27, 2015 Economic Prosperity Committee meeting to reflect the amount referenced in the Recommendation Section from $20,000,000.00 to $26,000,000.00.

Recommendation

It is recommended that the Board of County Commissioners (Board) approve the attached resolution:

1. Approving in accordance with 24 C.F.R. part 990 and other applicable federal regulations. the terms and conditions of an Energy Services Agreement (Energy Agreement) for the implementation of the Energy Savings Project at public housing development sites (Energy Savings Project), which said agreement requires the County to borrow an amount not to exceed $26,000,000.00, inclusive of financing costs, from a third party financial institution, requires the County to pay Ameresco a total amount of $2,606,127.00 from energy savings over the 14 year term of the agreement for its annual services, and requires Ameresco to pay the County any difference between the projected annual savings on operating and energy costs and the annual payment amount due to the financial institution.
2. Authorizing the County Mayor or the County Mayor's designee, subject to United States Department of Housing and Urban Development's (Housing and Urban Development) approval, to execute the Energy Agreement, to negotiate the final terms and execute the Third Party Equipment Lease/Financing Agreement to fund the project costs and any other related financing costs (the Financing Agreement), and to negotiate and execute any related documents and agreements in connection with the acquisition, purchase, financing, and leasing of certain equipment for the public benefit;
3. Authorizing the County Mayor or the County Mayor's designee to exercise all terms and conditions of the agreements, including the termination and extension provisions, determine substantial completion of projects, and approve modifications to the Energy Savings Project's scope of work so long as the project cost is not exceeded;
4. Authorizing the County Mayor or the County Mayor's designee to submit plans, agreements and other related documents to Housing and Urban Development for their review and approval; and

5. Waiving Section 2-10.7 of the Code of Miami-Dade County (the Code) related to the Sales Tax Exemption Program and Resolution No. R-130-06.

Scope
The County has public housing sites spanning the entirety of Miami-Dade County and, therefore, the impact of this agenda item is countywide in nature.

Delegation of Authority
In addition to the authority to execute and implement the Energy Agreement, the County Mayor or County Mayor's designee is authorized to (i) enter into a third party financial lease agreement with a financial institution at terms favorable to the County; (ii) approve project financing terms; (iii) exercise termination and extension provisions, (iv) determine substantial completion of projects; (v) submit plans, agreements and other required documents to Housing and Urban Development for their review and approval; and (vi) approve modifications to the Energy Savings Project scope of work, as long as those changes uphold the contract's compliance with 24 C.F.R. part 990 and other applicable federal regulations and do not violate the terms of the third-party financing agreement that finances the implementation of energy conservation measures, the energy saving warranty, or any other applicable clause or schedule of the Energy Agreement. This latter authority is required in order to provide staff with the flexibility to address material issues which may become evident only during the construction period, so long as the project cost is not exceeded.

Fiscal Impact/Funding Source
The Energy Agreement is budget neutral meaning that all costs payable by the County from anticipated energy savings associated with the project will be covered by energy cost savings guaranteed by Ameresco. This project will be completed within 24 months after the County has obtained the appropriate third party financing and will guarantee the Department savings of an estimated amount of $31,619,824.00 over the 14 years following the implementation period, which savings will be used to fully repay the financing institution and pay Ameresco its fixed annual services fees equaling a total amount of $2,606,127.00 over the 14 year term of the Agreement. Third party financing obtained will fund the Energy Savings Project's costs of $18,594,069.00, capitalized interest during construction of the project, and a $500,000.00 contingency, for a total amount of not to exceed $26 million.

Track Record/Monitor
Jorge R. Cibran, AIA, Director Facilities and Development Division and Christina Salinas Cotter, Chief Financial Officer for the Public Housing and Community Development Department (Department), will monitor the performance of this project.

Background
The County is a public housing agency funded primarily by Housing and Urban Development. The County, through the Department, operates over 8,400 dwelling units located in conventional housing developments and scattered site properties.

Pursuant to Resolution No. R-228-09, the County is required to reduce electricity consumption by 20 percent from 2007 levels by 2014. The Board also adopted Resolution No. R-795-12, which requires the County to reduce energy by density by 20 percent from 2009 levels by 2020.

The Energy Performance Contracting Program (the Program) is an innovative financing technique that uses cost savings from reduced energy consumption to repay the cost of installing energy conservation measures. The Program is widely utilized by public housing agencies and other governmental entities across the United States. The Program provides an invaluable tool for local, state, and federal governmental agencies to identify, finance, and perform energy conservation improvements and provide:

1. An efficient system-wide approach to necessary life-cycle replacement of equipment that results in lower capital and long-term operating and maintenance costs;
2. Projected savings from projects guaranteed to cover all County costs with the energy services companies, such as Ameresco, guaranteeing that it will pay the difference if savings fall short;
3. Reduced financing costs since projects qualify for tax-exempt municipal lease rates;
4. Consistency of performance from the installation of high-quality parts and equipment under the direction of highly qualified firms with specialized expertise that provide a turnkey service, such as all of the services provided by an energy service company to design and implement a comprehensive project at the public housing agency's facilities, from the initial energy audit through long-term monitoring and verification of project savings; and
5. A guarantee by energy service companies contractually that the equipment procured and installed will achieve the promised energy savings.

The Department is seeking to increase energy efficiency, sustainability, and ultimately reduce its energy consumption at the County's public housing sites though the use of energy performance contracting services. These services are conducted as part of a Housing and Urban Development-approved incentive program that conducts energy use audits to determine areas where energy consumption and utility expenditures can be reduced by modernizing outdated equipment, systems, materials, techniques, and services in certain public housing facilities. Through the Program, the Department has the opportunity to use the utility cost savings generated by reduced energy consumption to repay the cost of the improvements. On March 1, 2012, an Energy Performance Contracting Services Agreement was awarded under the County Mayor's delegated authority to Ameresco, which proceeded with Phase 1 of the Energy Savings Project which consisted of conducting an energy performance audit (the Audit) to identify various areas in which the Department may potentially save money on energy usage and to identify energy conservation measures to be recommended for implementation as part of the Energy Savings Project.

As a result of the Audit, the Department worked with Ameresco to identify 14 energy conservation measures to be implemented across 37 elderly and 52 family public housing sites as detailed in Appendix B of the Energy Services Agreement. The main energy conservation measures being implemented include installation of high efficiency toilets, low-flow shower heads and faucets, and upgrading of common area, apartment, and exterior area lighting.

In order to finance these cost savings measures, Ameresco will be required to assist in obtaining third party financing from a financial institution. Initially, Ameresco will competitively solicit quotes from several financial institutions to find the most favorable financing terms and conditions to fund the cost of

the Energy Savings Project. Since the County is expected to obtain better interest rates than those typically received by an energy services company, Ameresco will not be required to finance the project. Instead, the County will arrange for the financing directly with the bank selected from the list of respondents to the financing solicitation identified by Ameresco. This third-party financing arrangement will be made through the Financing Agreement which will be negotiated and executed by the County Mayor at his discretion in a form similar to that attached as Attachment B to the resolution, and all financing costs will only be funded from the operating and energy cost savings that are guaranteed by Ameresco. If the operating and energy cost savings fall short of any annual payment due to the bank, Ameresco has guaranteed that it will pay the County the difference. The third-party financing costs will be included in the payment made by the County pursuant to the Financing Agreement.

An initial plan must be submitted to the Housing and Urban Development's field office for review and approval to proceed. After a detailed engineering study is completed, the County will submit its detailed project plan for field office review and approval. The detailed study will be based on actual quotes for construction, finance, maintenance, and other costs. The County must also identify how it will complete design and construction and integrate the energy project with its ongoing modernization program. Included in its Energy Savings Project plan the County will include a detailed description of its construction management practices and associated financial controls. The description must include protocols for design, construction inspections, construction draws, and requisition approvals. Additionally, the County is required to submit the proposed Energy Agreement, the Energy Performance Contracting Services Agreement initially entered into with Ameresco to perform the Audit, the Audit, and other related documents to Housing and Urban Development for their approval.

To allow the County to quickly take advantage of quoted favorable rates and because Housing and Urban Development must approve the plans, the Energy Agreement and other related documents, it is recommended that the Board waive Resolution No. R-130-06 as it relates to the Energy Agreement, the Financing Agreement and all other related agreements. Resolution No. R-130-06 requires that non-County parties to a contract execute the contract before a legislative item approving the contract is placed on the Board's agenda.

In addition, it is recommended that the Board waive the provisions of Section 2-10.7 of the Code related to the Sales Tax Exemption Program. The Code provides that the requirements of Section 2-10-7(b) may be waived upon written request of the Mayor demonstrating "why owner purchases under the subject contract are not in the best interest of the County." Waiver of Section 2-10.7(b) is necessary for the following reasons:

1. Ameresco is designing and specifying certain energy savings equipment for the Energy Savings Project, which includes unique purchasing constraints requiring the expertise of the contractor as well as a fixed construction period. In typical energy performance contracts, the construction period is a fixed timeframe. Interest accrues during construction and is typically deferred until the fixed date upon which permanent debt repayment is scheduled to begin. Use of the Sales Tax Exemption Program heightens the risk of missing deadlines due to the program's complexity, which could then result in financial penalties to the County related to the accrual of savings sufficient for debt repayment to begin on time.

2. Ameresco is able to benefit from volume pricing with certain suppliers as a result of their national presence and these savings are passed on to the customer with such discount often being one percent to three percent better than the savings resulting from the County's Sales Tax Exemption Program, excluding the additional costs of inventory tracking and record keeping for the purchases made by the County that would be imposed on the contractor.

Attachments

Russell Benford, Deputy Mayor

MEMORANDUM

(Revised)

TO: Honorable Chairman Jean Monestime
and Members, Board of County Commissioners

DATE: September 16, 2015

FROM: R. A. Cuevas, Jr.
County Attorney

SUBJECT: Agenda Item No. 8(K)(1)

Please note any items checked.

_____ **"3-Day Rule" for committees applicable if raised**

_____ **6 weeks required between first reading and public hearing**

_____ **4 weeks notification to municipal officials required prior to public hearing**

_____ **Decreases revenues or increases expenditures without balancing budget**

_____ **Budget required**

_____ **Statement of fiscal impact required**

_____ **Ordinance creating a new board requires detailed County Mayor's report for public hearing**

_____ **No committee review**

_____ **Applicable legislation requires more than a majority vote (i.e., 2/3's ____, 3/5's ____, unanimous _____) to approve**

_____ **Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required**

Approved _____ Mayor

Veto _____

Override _____

Agenda Item No. 8(K)(1)
9-16-15

RESOLUTION NO. _____

RESOLUTION APPROVING, IN ACCORDANCE WITH 24 C.F.R. PART 990 AND OTHER APPLICABLE FEDERAL REGULATIONS, TERMS AND CONDITIONS OF AN ENERGY SERVICES AGREEMENT BETWEEN MIAMI-DADE COUNTY AND AMERESCO, INC. TO IMPLEMENT ENERGY CONSERVATION MEASURES AT VARIOUS PUBLIC HOUSING SITES, WHICH SAID AGREEMENT REQUIRES THE COUNTY TO BORROW AN AMOUNT NOT TO EXCEED $26,000,000.00, INCLUSIVE OF FINANCING COSTS, FROM A THIRD PARTY FINANCIAL INSTITUTION, REQUIRES THE COUNTY TO PAY AN AMOUNT EQUAL TO $2,606,127.00 TO AMERESCO, INC. FROM THE ENERGY SAVINGS OVER THE 14 YEAR TERM OF THE AGREEMENT FOR ITS ANNUAL SERVICES, AND REQUIRES AMERESCO, INC. TO GUARANTEE PAYMENT TO THE COUNTY IF OPERATING AND ENERGY COST SAVINGS ARE LESS THAN THE ANNUAL PAYMENTS DUE TO THE FINANCIAL INSTITUTION; AUTHORIZING THE COUNTY MAYOR OR THE COUNTY MAYOR'S DESIGNEE, SUBJECT TO UNITED STATES HOUSING AND URBAN DEVELOPMENT'S APPROVAL, TO EXECUTE THE ENERGY SERVICES AGREEMENT, TO NEGOTIATE THE FINAL TERMS AND EXECUTE THE THIRD PARTY EQUIPMENT LEASE/FINANCING AGREEMENT WITH THE ENTITY SOLICITED BY AMERESCO, TO NEGOTIATE AND EXECUTE ANY OTHER AGREEMENTS NECESSARY TO EFFECTUATE THE TERMS OF THIS CONTRACT, AND TO EXERCISE ALL PROVISIONS OF THE CONTRACTS, AND SUBMIT REQUIRED PLANS, AGREEMENTS AND RELATED DOCUMENTS TO UNITED STATES HOUSING AND URBAN DEVELOPMENT FOR THEIR APPROVAL; AND WAIVING PROVISIONS OF SECTION 2-10.7(B) OF THE MIAMI-DADE COUNTY CODE RELATED TO THE SALES TAX EXEMPTION PROGRAM AND RESOLUTION NO. R-130-06

WHEREAS, Miami-Dade County (the "County"), is a "public housing agency" as defined in the United States Housing Act of 1937 (42 U.S.C. § 1437 *et seq.*, as amended) and is

authorized by the federal regulations promulgated by United States Housing and Urban Development ("Housing and Urban Development") to participate in the federal Energy Performance Contracting Program, which is an innovative financing technique that uses cost savings from reduced energy consumption to repay the cost of installing energy conservation measures; and

WHEREAS, Ameresco, Inc. ("Ameresco") has determined through an audit the potential for utility/energy supplier consumption and cost savings by installation of energy conservation measures within certain public housing properties owned by the County (the "Energy Savings Project") in an amount not to exceed [[~~$20,000,000.00~~]][1] >>$26,000,000.00<<, inclusive of financing costs and the amount of $2,606,127.00 to be paid to Ameresco, Inc. from the energy savings over the 14 year term of the agreement for its annual services; and

WHEREAS, this Board wishes to implement the Energy Savings Project and desires that Ameresco perform a project by using its services, which services may include, but not be limited to, design, engineering, assistance in arranging financing, construction, construction management, system maintenance, inspection and certification, energy use monitoring services, County staff training and resident education services; and

WHEREAS, this Board finds that it will benefit the County to enter into the Energy Services Agreement and the related documents ("the Energy Agreement") with Ameresco, and will result in the efficient and effective administration of energy conversation measures in public housing; and

[1] Committee amendments are indicated as follows: Words stricken through and/or [[double bracketed]] are deleted, words underscored and/or >>double arrowed<< are added.

WHEREAS, this Board also desires to purchase, acquire and lease certain equipment with a cost not to exceed [[~~$20,000,000.00~~]]>>$26,000,000.00<< constituting personal property necessary for the County to perform essential governmental functions; and

WHEREAS, in order to acquire such equipment, the County proposes to enter into that certain third party Equipment Lease/Purchase Agreement (the "Financing Agreement") in the form similar to that attached as Attachment B and incorporated by reference, but delegates to the County Mayor or the County Mayor's designee the authority to negotiate the final terms of the Financing Agreement with the entity solicited by Ameresco and to execute same; and

WHEREAS, this Board also finds that for the benefit of the County and for the efficient and effective administration thereof it is in the County's best interest to enter into the Energy Agreement and the documents related to the financing of the equipment for the purchase, acquisition and leasing of the equipment; and

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that:

Section 1. The foregoing recitals are incorporated in this resolution and are approved.

Section 2. *Approval of Documents.* This Board approves, in accordance with 24 C.F.R. part 990 and other applicable federal regulations, the terms and conditions of the Energy Agreement, in substantially the forms attached hereto as Attachment A and incorporated herein by reference, for the implementation of the Energy Savings Project at public housing development sites, which said agreement requires the County to borrow an amount not to exceed [[~~$20,000,000.00~~]]>>$26,000,000.00<<, inclusive of financing costs, from a third party financial

institution, requires the County to pay Ameresco an amount equal to $2,606,127.00 from the energy savings over the 14 year term of the agreement for its annual services, and requires Ameresco to guaranty payment to the County if operating and energy costs savings are less than the annual payments due to the financial institution.

Section 3. *Actions Authorized.* This Board authorizes the County Mayor or the County Mayor's designee, subject to United States Department of Housing and Urban Development's ("Housing and Urban Development") approval, to execute, the Energy Agreement, to negotiate the final terms and conditions of, and then execute, the Financing Agreement in the form similar to that attached as Attachment B and incorporated by reference, and to negotiate the terms of and execute any other related documents and agreements in connection with the acquisition, purchase, financing, and leasing of certain equipment for the public benefit. This Board also authorizes the County Mayor or the County Mayor's designee to exercise termination and extension provisions, determine substantial completion of projects, and approve modifications to the Energy Savings Projects scope of work as long as those changes are in compliance with 24 C.F.R. part 990 and other applicable federal regulations and do not violate the terms of the third-party financing agreement that finances the implementation of energy conservation measures , the energy saving warranty, and any other applicable clause or schedule in the contracts. The Clerk of the Board is hereby authorized to affix the seal of the County to such documents. The execution of the Energy Agreement and Financing Agreement and related exhibits, following approval for form and legal sufficiency by the Office of the County Attorney, shall be conclusive evidence of this Board's approval.

Section 4. *Submission to Housing and Urban Development.* This Board authorizes the County Mayor or the County Mayor's designee to submit plans, agreements and other related documents to Housing and Urban Development for their review and approval.

Section 5. *Waivers.* This Board, for the reasons stated in the attached memorandum, waives the requirements of Section 2-10.7(b) of the Miami-Dade County Code related to the Sales Tax Exemption Program and Resolution No. R-130-06, which requires that a contract and authority to execute such contract is completely negotiated, in final form, and executed by all non-County parties prior to placement on the County Commission or committee agenda for approval by the Board.

The foregoing resolution was offered by Commissioner , who moved its adoption. The motion was seconded by Commissioner , and upon being put to a vote, the vote was as follows:

Jean Monestime, Chairman
Esteban L. Bovo, Jr., Vice Chairman

Bruno A. Barreiro	Daniella Levine Cava
Jose "Pepe" Diaz	Audrey M. Edmonson
Sally A. Heyman	Barbara J. Jordan
Dennis C. Moss	Rebeca Sosa
Sen. Javier D. Souto	Xavier L. Suarez
Juan C. Zapata	

The Chairperson thereupon declared the resolution duly passed and adopted this 16th day of September, 2015. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this Resolution and the filing of this approval with the Clerk of the Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By:_____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

Terrence A. Smith

ENERGY SERVICES AGREEMENT

between

AMERESCO, INC.

and

MIAMI-DADE COUNTY

DATE:

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ATTACHMENTS:

1. ENERGY AUDIT REPORT

2. LIGHTING AUDITS: APARTMENTS, COMMON AREAS, AND LIGHTING CONTROL

ENERGY SERVICES AGREEMENT

This Agreement ("Agreement") made as of the date last executed ("Execution Date"), by and between Ameresco, Inc. ("Ameresco"), a corporation organized under the laws of the state of Delaware and authorized to conduct business in the State of Florida, with its principal place of business at 111 Speen Street, Suite 410, Framingham, MA 01701 and Miami-Dade County, a political subdivision of the State of Florida (hereinafter "PHA") ; collectively Ameresco and PHA are termed the "Parties" or, individually, a "Party"), with its principal place of business at 111 NW 1st Street, Miami, Florida 33128.

RECITALS

WHEREAS, PHA issued a Request for Proposals ("RFP") in accordance with 24 CFR §§ 990.185-190 seeking energy services companies ("ESCOs") to perform certain services relating to energy conservation; and

WHEREAS, Ameresco responded to the RFP and represented in its proposal dated May 23, 2011, that it possesses the necessary knowledge and experience to perform the work and services described in this Agreement and was selected and awarded the project by the PHA on March 5, 2012; and

WHEREAS, pursuant to that certain Energy Performance Contracting Services Contract dated March 26, 2012, between the Parties, Ameresco completed the Energy Audit Report as of September 27, 2013, and

WHEREAS, Ameresco has determined the potential for utility/energy supplier consumption and cost savings (as further defined herein, "Energy Savings") by installation of Energy Conservation Measures (as further defined herein, "ECMs") within certain PHA properties (consisting of apartment sites and complexes), described in this Agreement and the Appendices and Attachments hereto as "Developments," and the cost of the ECMs necessary to achieve these savings; and

WHEREAS, PHA wishes to implement the Energy Savings project in the manner set forth in this Agreement and desires that Ameresco perform a project (as further defined herein, the "Conservation Project") by using its services as more fully provided for within this Agreement, which services may include, but not be limited to, design, engineering, assistance in arranging financing, construction, construction management, system maintenance, inspection and certification, energy use monitoring services, PHA staff training and resident education services for a period coterminous with the term of the Construction Financing (as defined herein); and

WHEREAS, the U.S. Department of Housing and Urban Development ("HUD") conducts a program to assist and enable parties such as PHA to implement projects such as the Conservation Project. The Conservation Project was developed and prepared in compliance with the relevant HUD program and in contemplation of PHA receiving HUD assistance through the available incentives as set forth in 24 CFR §§ 990.185-190,

NOW THEREFORE, the Parties, for good and valuable consideration, the sufficiency and adequacy of which the Parties hereby acknowledge, agree as follows:

PART A:
DEFINITIONS

Words and phrases shall be defined according to their ordinary usage and meaning except as otherwise specifically defined in this Agreement. The definitions of the words and phrases in this PART A (indicated by capitalization of the first letters) of those words and phrases) shall apply throughout this Agreement unless specifically provided otherwise. Words and phrases which are not defined in this PART A may be defined in other provisions of this Agreement and, as so defined and capitalized, shall be given their defined meanings throughout this Agreement.

"Agreement" shall mean this Energy Services Agreement for the implementation of the Conservation Program, including all exhibits, attachments, appendices, amendments, modifications, or revisions made in accordance with its terms.

"Baseline" shall mean PHA's existing utility usage, or allowance for utility usage, for utility/energy supplier services including, but not limited to, natural gas, fuel oil, electricity, water/sewer, identified by Ameresco and included within Appendix D.

"Cashflow Projection" shall mean the Project Cashflow provided in Appendix D which identifies the estimated Energy Savings and Project costs.

"Conditional Energy Savings Guarantee" or "Guarantee" shall mean the contractual obligation by Ameresco, as referenced in Section (9), to provide a Conditional Energy Savings Guarantee. The Guarantee provided by Ameresco shall be a separate written document executed by Ameresco in substantially the form attached hereto as Appendix I upon the Execution Date.

"Conservation Program" shall mean the products and services rendered under this Agreement, the scope of which will be defined by the Conservation Project affecting subsets of the utility/energy supplier costs within the PHA's portfolio of properties.

"Conservation Project" shall mean the specific group of ECMs to be installed by Ameresco or its subcontractors, as may be provided under this Agreement and within Appendix B, at all or any of the Developments listed in Appendix A and the services related thereto to be provided by Ameresco pursuant to this Agreement.

"Construction Account" shall mean the total funds to be utilized to develop and construct the Conservation Project (as opposed to an actual bank account), including the funds available from the Construction Financing and any Supplemental Funding. The funds available from the Construction Financing and held in the Construction Account shall be released only upon approval by PHA of a written Requisition from Ameresco, as described more fully in Section 5. Any Supplemental funding shall also be released only upon approval by PHA of a written Requisition from Ameresco, but may also be subject to any additional authorization required by the Party holding the funds (such as any utility company rebates or other assistance). Ameresco shall maintain an accounting of all available funding for the Conservation Project and report on the status of such funding monthly throughout Phases I and II.

"Construction Documents" or "Contract Documents" shall mean the contract documents for the construction or the supply of the ECMs, as the case may be, which may include, but not be limited to, this Agreement, the "Construction Subcontracts" for the construction subcontractors (for those ECMs to be installed by Ameresco as described in Section (5), Phase II - Construction) and such working drawings and specifications as may be prepared by or on behalf of Ameresco which detail the materials and procedures required to install the ECMs, and all amendments and modifications to the foregoing documents.

"Construction Financing" shall mean third-party financing, for the purchase and installation of the ECMs, which financing is fully subject to and contingent upon the subsequent approval of the Miami-Dade County Board of County Commissioners. The repayment term for the Construction Financing for the ECMs herein shall not exceed twenty (20) years after completion of the construction period identified in Appendix D.

"Construction Phase" shall mean the second phase of the Conservation Project, during which Ameresco shall perform the services described more fully in Section (5), Phase II - Construction, and during which Ameresco shall install and construct the various ECMs.

"Debt Service" shall mean the PHA's obligation for repayment of the Construction Financing. The Debt Service payments are made by PHA pursuant to its agreements with the Lender, which payments shall commence at the commencement of the Project Operation Phase in accordance with the terms of this Agreement and the agreement with the Lender.

"Design and Construction Funding Phase" shall mean the first phase of the Conservation Project, during which Ameresco shall perform the services described more fully below in Section (4), Phase I - "Design and Construction Funding". By way of summary, and not as a full definition, the Design and Construction Funding Phase shall be the phase in which Ameresco shall design, or cause to be designed, the ECMs to be installed by Ameresco, as listed in Appendix B "Scope of Work/Recommended ECM List", and assist in arranging the Construction Financing for PHA in the amount identified in Appendix D, "Cash Flow Projection."

"Developments" shall mean the list of apartment sites and complexes identified in Appendix A which are designated to receive ECMs and services under the Conservation Project carried out under this Agreement. "Development" shall mean an individual apartment site and complex.

"ECMs" shall mean the energy conservation measures recommended for the Developments identified by Ameresco and listed in Appendix B under "Scope of Work/Recommended ECM List", which may be installed by Ameresco in accordance with the terms of this Agreement. ECMs promoting Energy Savings are not limited to equipment and may include services, such as resident energy education as described in Section (6), "Phase II - Construction".

"Energy Savings" shall mean the revenue stream resulting from the reduction below the Baseline utility/energy supplier consumption at the Developments listed in Appendix A. Such Energy Savings shall be calculated using the energy costs and values assigned in this Agreement and Appendices D and G hereto, resulting from the installation of ECMs and performance of services under this Agreement, as these are identified and reconciled annually by Ameresco during the Project Operation Phase according to the provisions of Section (6), Phase III - Project Operation, and employing the calculation contained in Appendix G "Monitoring and Verification of Savings Methodology".

"Energy Audit Report" shall mean that certain study, dated September 27, 2013, attached hereto as Attachment 1, outlining for PHA various areas in which PHA may potentially save money on PHA's energy usage, as compared with PHA's Baseline usage of energy, further outlining ECMs recommended for implementation by Ameresco, under this Agreement, and describing the costs and services associated therewith.

"Escrow Account" shall mean the account into which the proceeds from the Construction Financing are deposited. Funds from the Escrow Account shall be available to support the services provided and ECMs purchased and installed pursuant to this Agreement.

"Execution Date" shall mean the latest date of the final signatory of the Parties to this Agreement.

"Final Acceptance Date" shall mean the date upon which written acceptance by PHA is obtained for the ECMs installed by Ameresco with respect to each individual Development listed in Appendix A, including the Punch List items. Without limiting the foregoing, in the event the Conservation Project with respect to each Development is completed in parts or sub-parts, the date on which the ECMs included in the last such part or sub-part of that Development receive all such necessary approvals and acceptances shall be the Final Acceptance Date of the Conservation Project with respect to that Development.

"Guarantee" shall mean the contractual obligation by Ameresco, as referenced in Section (9), to provide a Conditional Energy Savings Guarantee for the savings achieved under the Scope of Work. The Guarantee provided by Ameresco shall be a separate written document executed by Ameresco upon the Execution Date and the closing of the Construction Financing, and attached hereto as Appendix I.

"HUD" shall mean the United States Department of Housing and Urban Development.

"HUD Regulations" shall mean the applicable provisions set forth in Title 24, Section 990.185 of the Code of Federal Regulations, as amended or as waived from time to time, and any other regulations applicable to PHA and its subcontractors issued by HUD.

"HUD Subsidy" shall mean the amounts paid by HUD to PHA in the form of utility/energy supplier subsidies, as calculated according to the HUD Regulations.

"Incremental Maintenance Costs" shall mean the allocation of Energy Savings to an annual equipment reserve for the purpose of maintaining and/or replacing the energy and water equipment as its useful life expires over the term, as set forth in Appendix D.

"Lender" is the third-party investor providing the Construction Financing.

"Material Changes Threshold" are alterations, or changes in use, at one or more Developments undertaken by the

PHA in the post-construction operations phase of this Agreement, which can be reasonably expected—or measured—to increase or decrease steam, gas, electricity, water or oil consumption by a minimum of five and one-tenths percent (5.1%) annually at a single Development without a corresponding increase or decrease of consumption in another fuel.

"Notice of Substantial Completion" - A written notice (in substantially the form shown in Appendix F-l) submitted by Ameresco to PHA, indicating that Ameresco believes that all or any phase of the Conservation Project has reached Substantial Completion in accordance with the terms of this Agreement. The Notice of Substantial Completion will describe the work (or any phase thereof) substantially completed and include a commitment by Ameresco to complete any remaining portion of the Conservation Program and Punch List items.

"Project Operation Phase" shall mean the third phase of the Conservation Project, during which Ameresco shall perform the services described more fully in Section (6) below, including monitoring the ECMs previously installed under this Agreement, and during which PHA will pay the Debt Service installments, including principal and interest, of the Construction Financing.

"Punch List" shall mean a list prepared and issued by Ameresco, as verified by PHA at the time of Substantial Completion of the ECMs, identifying incomplete items of a minor or cosmetic nature which do not adversely affect the performance or the safe, normal, condition and operation of the installed ECM, but which need to be completed, modified or remedied, prior to Final Acceptance of the Conservation Project.

"Reconciliation" shall mean the annual analysis conducted by Ameresco in accordance with Section (6), Phase III -Project Operation, and the calculations set forth in Appendix G "Monitoring and Verification of Savings Methodology", of the actual utility costs and Energy Savings resulting from the installation of ECMs under this Agreement.

"Reimbursable Expenses" shall mean the cost of photocopied construction drawings, travel expenses and other reasonable job-related expenses incurred by Ameresco and/or its Construction Subcontractors when performing work authorized by PHA beyond Ameresco's Scope of Work hereunder, or when performing changes to its scope of work pursuant to a Change Order. Ameresco's fees include Reimbursable Expenses unless additional work beyond the scope of work hereunder is authorized by PHA pursuant to a change order.

"Requisition" shall mean a periodic request for payment for the ECMs from the Construction Account or the Escrow Account. A signed Requisition, authorized jointly by PHA and Ameresco, will be the formal authorization for the release of funds from the Construction or Escrow Account, and will be based upon the percentage of completion of the Schedule of Values and jointly authorized and approved for payment.

"Resident/Tenant", "Resident", or "Tenant" shall mean any individual who resides in any apartment in any of the Developments and whose name appears on the lease for that unit as either the lessee or a person residing in the unit covered by the lease.

"Services" shall mean those Services and all the work, duties, and responsibilities undertaken by Ameresco, as provided for within this Agreement including its Appendices and Attachments, to the PHA by Ameresco required to implement the Conservation Project. For purposes of this Agreement, Services shall also include within its meaning, all documentation and any items of any nature submitted by Ameresco to the PHA or the PHA's senior representative for review and approval pursuant to the terms of this Agreement.

"Substantial Completion" shall mean the ECMs have been installed by Ameresco or its subcontractors in accordance with the design criteria and HUD General Conditions (Form 5370), and are capable of operating in a manner consistent with the manufacturer's intended use, as provided in the Notice of Substantial Completion issued by Ameresco to PHA. Without limiting the foregoing, in the event the ECMs are completed in parts or sub-parts, the calendar date on which the ECMs that are included in such Notice of Substantial Completion shall govern as the Substantial Completion date as to the ECMs or those portions of the ECMs as are set forth in such notice. The PHA shall accept care, custody and control of the ECM within fourteen (14) days of the date of said notice (the "Substantial Completion Date"). The warranty period shall commence as of the Substantial Completion Date for any individual ECM that is included in such notice.

"Supplemental Construction Funding" shall mean any grants, interest subsidies, utility company rebates or funding, and other forms of funding or payments available to the Conservation Project in addition to the Construction Financing that may be used to fund the capital and/or operating costs of the ECMs and that are available for the Conservation Program through sources other than the Construction Financing. Supplemental Construction Funding is described in Section (4), Phase I - Design and Construction Funding.

"Term" shall have the meaning given in Section (2), Term of Agreement.

"Total Contract Cost" shall mean the total dollar cost for the ECMs and services provided under this Agreement as contained in Section (11) and Appendix E-l(a) to this Agreement.

PART B:
TERMS AND CONDITIONS OF AGREEMENT

(1) SUMMARY OF SCOPE OF SERVICES

Ameresco and PHA have reviewed the Energy Audit Report, which is described more fully in Section (3) below, and have used it as the basis for developing the Conservation Project and the Conservation Program.

In connection with the Conservation Project, Ameresco has performed or, subject to the terms and conditions of this Agreement, will perform, Services as indicated in the following Sections (1)A through (1)C over the term of this Agreement.

A. Phase I - Design and Construction Funding:

The first phase of Services shall be referred to herein as the "Design and Construction Funding Phase". During this phase, Ameresco shall perform the Services described in Section (4), Phase I - Design and Construction Funding.

B. Phase II - Construction:

The second phase of Services shall be referred to herein as the "Construction Phase". During this phase, Ameresco shall perform the Services described in Section (6), Phase II - Construction.

C. Phase III - Project Operation:

The third phase of Services shall be referred to herein as the "Project Operation Phase". During this phase, Ameresco shall perform the Services described in Section (7), Phase III - Project Operation.

D. Duration of Phases of Agreement:

The first phase, as defined in Section (4), Phase I - Design and Construction Funding, shall commence as of the Execution Date and continue, subject to the terms of this Agreement, until the design and the Construction Financing are complete, and all conditions to the closing of the Construction Financing, as described in Section (4) are satisfied. The second phase shall commence upon the expiration of the first phase and continue, subject to the terms of this Agreement, until the later of (i) the closing of the Construction Financing or (ii) the Final Acceptance Date of the ECMs last installed in connection with the Conservation Project. The third phase shall commence upon the expiration of the second phase and continue, subject to the terms of this Agreement, for a period that is co-terminus with the repayment term of the Construction Financing. The Parties agree that the tentative project schedule attached as Appendix M ("Project Milestones") represents the estimate, as of the time of Agreement execution, of the milestones for completion of design and construction of the measures for Phases I and II hereunder. Prior to commencing Phase II, Ameresco shall provide a detailed schedule to PHA which sets forth milestones for completion of the construction and installation. The detailed schedule shall use the critical path (CP) method and it shall be subject to approval by the County. The schedule shall show all construction and installation work being substantially completed within 730 days of the issuance by PHA of a notice to proceed with the construction work, based upon the reasonable cooperation and approval of PHA and subject to events of Force Majeure as set forth herein.

(2) TERM OF AGREEMENT

The Term of this Agreement shall commence as of the Execution Date and, unless sooner terminated in accordance with the terms hereof, shall continue for a period coterminous with the repayment term of the Construction Financing, or until such time as PHA prepays its installment payment obligations under the Construction Financing in full whichever is earlier ("Termination Date"). Should there be additional project financings under this Agreement to accommodate an increased scope of work, the term shall be amended in accordance with the HUD approval for the term of each subsequent financing.

(3) ENERGY AUDIT REPORT

The Energy Audit Report, Attachment 1, was developed pursuant to the Energy Performance Contracting Services Contract No. RFP 774, which is incorporated herein by reference. The Energy Audit Report, Attachment 1, as amended in the Appendices, sets forth the planned scope of Services for the Conservation Project; design, engineering, construction and installation of the ECMs; the anticipated Construction Financing and any and all necessary Supplemental Construction Funding available; the current utility/energy supplier use or Baseline; the currently projected Energy Savings from the ECMs; describes the recommended ECMs; and provides a Cash Flow Projection. The Cash Flow Projection shall form the basis for the Construction Financing and is based upon the Total Contract Cost and

Energy Savings. Appendix D includes the ECMs and Services that will be provided for the Developments.

(4) PHASE I - DESIGN AND CONSTRUCTION FUNDING

A. Design Services: Specifications and Drawings:

During the Design and Construction Funding Phase, Ameresco shall, in consultation with PHA, produce designs, specifications, and drawings needed to secure qualified subcontractors in order to complete the agreed-upon Scope of Work (Appendix B) during the Construction Phase (the "Specifications and Drawings Work").

The Specifications and Drawings Work shall be divided into three (3) overlapping stages described more fully below: schematic design, design development, and construction documentation.

i. Schematic Design: Schematic Design shall mean illustration of strategies by which the recommendations presented in the Energy Services Plan can be executed within the constraints of budget and applicable building codes.

During this stage, Ameresco will detail the ECMs set forth in the Scope of Work (Appendix B). Areas of work will be broadly defined in light of existing conditions (e.g. boiler choice, required long-term maintenance, access), and all required trades will be identified.

Ameresco and/or its design sub-consultant(s) and the Design Engineer will make surveys of existing conditions with reference to existing "as-built" building plans and physical inspection of the Developments. Ameresco and the PHA acknowledge that frequent formal and informal communications will be required between Ameresco and PHA in order to ensure that both budgetary constraints and efficiency requirements are met, and that the schematic design, as completed, will be acceptable to both Parties over the term of this Agreement.

ii. Design Development: Design Development shall mean development of the construction details, materials, and equipment choices, and cost estimates associated with the design strategy chosen by the PHA.

During Design Development, Ameresco will identify and review with PHA specific strategies for effectively installing the ECMs, short and long-term cost considerations associated with material and equipment selection, impacts on the Developments of modification to the existing conditions (e.g., boiler choice, required long-term maintenance; access; pre-programmed thermostat high-limits; etc.), as well as applicable comfort standards as identified in Appendix H ("Standards of Comfort and Service"). Ameresco will project and communicate to PHA, during this stage, whether the consumption savings projections and budgetary assumptions included in Appendix B "Scope of Work/Recommended ECM List", can be met after incorporation of PHA's comments on specific design details. In the event Ameresco communicates to PHA that some or all of PHA's comments cannot be incorporated without reducing the consumption savings projections and/or exceeding the budgetary assumptions, PHA and Ameresco will attempt to agree to a modification of the proposed designs and/or the installation of Alternates shown in the Energy Audit Report so as either to preserve or modify the Conservation Project in order to change the consumption savings projections.

iii. Construction Documentation: Construction Documentation shall mean preparation of working drawings and specifications that detail the materials and procedures required to install the ECMs listed in Appendix B based upon the results of the Design Development process (i.e., the "Construction Documents").

During Construction Documentation, Ameresco will prepare, or cause to be prepared, detailed drawings and specifications for the installation of the ECMs. In addition to the technical detail, Ameresco will include in the Construction Documents any general conditions and requirements consistent with instructions which may be provided by PHA and any applicable requirements of HUD. At the end of Construction Documentation, Ameresco must reasonably project that the consumption savings projections and other budgetary assumptions for the ECMs contained within Appendix B may be met given the design details. If such projection does not establish savings consistent with the savings listed in Appendices D and G, Ameresco must specify, with PHA's reasonable approval, certain items as "Alternates" to the ECMs, to the extent necessary in order to achieve such savings.

All designs, specifications, and drawings produced by Ameresco as well as the ECMs to be financed as "Equipment" pursuant to the Construction Financing will be submitted to PHA for its review and approval prior to the commencement of Construction, which approval shall not be unreasonably conditioned, delayed or withheld. Such review and approval shall not be deemed to relieve Ameresco of its responsibilities as Design Engineer and Construction Manager under this Agreement, however it shall serve to fulfill the requirement of the subcontractor/subcontract approval requirements pursuant to Section 17, below. Recognizing the design build basis of this contract approach and the necessity upon which such a contract operates, PHA shall provide its approval and consent to Ameresco of such

subcontractor and Ameresco shall thereafter be able to execute its subcontract agreement with the subcontractor or supplier.

iv. Commissioning Plan: Prior to the completion of Phase I of the Services hereunder, Ameresco shall prepare a Commissioning Plan for the equipment installed under this Agreement. Such Plan shall describe the design parameters of the equipment to be installed, as well as provide a plan for start-up and maintenance of the ECMs installed hereunder.

B. Changes To The Total Contract Cost & Scheduled Values During Phase I:

In the event that the Parties agree upon a Revised Scope of Work for the Developments (e.g., a revision to the Scope of Work provisions of Appendix B) and, as the case may be, a Revised Schedule of Values, a "Revised Utility/Supplier Energy Savings" (a revision to Appendix G), debt service for the Construction Financing, a Revised Summary of Recommended ECMs (a revision to Appendix B) or a "Revised Cash Flow Projection" (a revision to Appendix D), the Parties shall attach such revised Appendices hereto. From that time forward, unless further revised, each of those revised and updated schedules shall be deemed to be the relevant Appendix, without regard to whether they are subsequently referred to herein as "Revised Appendix _" or "Appendix _ , as revised", or in some other way which indicates their revisions. The quantity, quality, dimensions, type, or other characteristics of the ECMs may be changed only by mutual written consent of the PHA and Ameresco (and, where required by the Construction Financing, the Lender, or as may be required by HUD). In addition, the Scope of Services may be reduced or expanded to include other energy ECMs not included within the ECMs listed in Appendix B, as mutually agreed upon in writing.

In the event of any failure of the Parties to agree on revisions to the Conservation Project at any such time either Party may terminate this Agreement in accordance with Section (17)A.

C. Construction Financing:

i. During the Design and Construction Funding Phase, PHA shall, with the assistance of Ameresco, apply for and use reasonable, good faith efforts to secure the Construction Financing. PHA's acceptance of, and entry into any agreements for, the Construction Financing is fully subject to and contingent upon the approval of the Miami-Dade Board of County Commissioners authorizing the Construction Financing upon any and all such terms, inclusive of interest rates, that the County, in its sole and absolute discretion, finds are desirable, reasonable, prudent and in the best interest of the County. The Construction Financing shall be in an amount consistent with the Cash Flow Projection, attached hereto as Appendix D "Cash Flow Projection", as may be amended from time to time. The Parties intend that the amounts of the Construction Financing and Supplemental Construction Funding, Utility Company or other Funding and Rebates, as these terms are defined in this Section (4), shall collectively be sufficient to pay the Total Contract Costs. Any expenditures made as part of the Agreement shall be expressly justified by reference to proceeds available from the Construction Financing or any Supplemental Construction Funding.

Ameresco and PHA shall agree to all reasonable amendments to this Agreement, as may be required by the Lender; provided, however, no such amendment shall cause a material adverse impact on the rights or obligations of Ameresco or PHA hereunder without the consent of the Party so affected, which consent may be withheld for any reason.

Notwithstanding anything contained herein to the contrary, this Agreement imposes no obligation on the County to approve or accept any particular Lender and/or the Construction Financing. If the County fails to approve a Lender and/or the Construction Financing within ninety (90) days from the Effective Date of this Agreement, then PHA and Ameresco shall each have the option, exercisable upon written notice to the other Party, of not proceeding with the installation of the ECMs and to terminate this Agreement. If either Party shall elect to terminate this Agreement as a result of the County's failure to timely secure the Construction Financing, then PHA acknowledges and recognizes that Ameresco has incurred costs totaling One Hundred and Thirty Four Thousand and no/100 Dollars ($134,000.00) for the preparation of the Energy Audit Report and the PHA shall provide payment in full to Ameresco as of the time of termination for that Report.

ii. HUD Incentive for Conservation Savings: PHA shall, with the assistance of Ameresco, apply for all necessary approvals and authorizations and enter into all necessary agreements to receive from HUD, pursuant to applicable federal laws and regulations, all applicable utility savings incentives, including, without limitation, written approval of the exception to conventional calculation of the utility subsidies pertinent to this Agreement ("HUD Subsidy") in accordance with the applicable HUD regulations, which allow said subsidy to be fixed between PHA and HUD at levels

determined with reference to the Energy Savings and Total Contract costs. All such agreements, approvals and other authorizations, pursuant to which the HUD Subsidy shall be paid in accordance with the contents of Appendices D and G, shall be attached hereto upon receipt and made a part hereof as Appendix L ("HUD Approval Letter").

D. Supplemental Construction Funding:

Utility or Other Company Funding and Rebates: In addition to providing assistance to PHA in obtaining the Performance Contract Financing, Ameresco shall assist PHA in applying for grants, interest subsidies, utility or other company rebates, and other forms of funding or payments available from third parties to fund the capital and/or operating costs of the ECMs as may be reflected in the Cash Flow Projection which is included as Appendix D, "Cash Flow Projection". Ameresco makes no guarantee that utility or other company funding and rebates will be obtained through or on account of its efforts, unless such additional assistance is included in Appendix D as of the execution of this Agreement. In such instances, the express conditions and obligations of both Parties will be set forth in said Appendix.

PHA acknowledges that Ameresco is a contractor independent of any utility, is not an agent or affiliate of any utility, and does not represent any utility in any capacity.

To the extent that the final amount of the Construction Financing is dependent upon the receipt of utility or other company funding and rebates, the attached "Cash Flow Projection" contained in Appendix D shall be revised accordingly by the Parties to reflect the final amount of all such forms of "Revised utility or other company funding and rebates".

Should Ameresco pursue additional utility or other company funding and rebates expressly authorized in writing by PHA, and on behalf of PHA, during the Design and Construction Funding Phase that are not expressly incorporated as of the Execution Date of this Agreement in Appendix D, Ameresco and the PHA shall negotiate an amount due to Ameresco, if any, for securing such assistance. Subject to the requirements, if any, pertinent to the receipt of such assistance, PHA and Ameresco shall apply the funds received to offset the construction costs hereunder, as well as any applicable monitoring and verification requirements that may be required by the providers of such assistance.

E. Final Agreement to Project Scope and Level of Guaranteed Savings:

The Parties intend and anticipate that the Energy Savings guaranteed hereunder shall be not less than one hundred percent (100%) of the amount required over the Term of this Agreement to repay the Construction Financing on a Debt Service requirement basis, as set forth in Appendix D, all in accordance with the terms and conditions set forth herein. Prior to entering into the Construction Financing, should the effect of changes in Total Contract Cost, supplemental funding, interest rates or other cause result in the Energy Savings hereunder to be less than one hundred percent (100%) of the amount anticipated to be required to recover the annual costs for Debt Service, Ameresco and PHA agree to mutually and reasonably attempt to negotiate a reduction or modification of the total contract costs by removing components of the ECMs to be installed pursuant to this Agreement or substituting alternative ECMs in order that the guaranteed Energy Savings hereunder shall be an amount equal to or not less than one hundred percent (100%) of the amount required to recover the above costs over the Term of this Agreement.

Prior to entering into the Construction Financing, in the event that the Parties cannot agree to so reduce or modify the costs of construction in circumstances wherein the savings guaranteed herein are less than one hundred percent (100%) of the amount required to cover the annual costs for the debt service, PHA and Ameresco shall each have the option, exercisable upon written notice to the other Party, of not proceeding with the installation of the ECMs and on the part of PHA, not entering into the Construction Financing. In that regard, PHA acknowledges and recognizes that Ameresco has incurred costs totaling One Hundred and Thirty Four Thousand and no/100 Dollars ($134,000.00) for preparation of the Energy Audit Report and PHA shall provide payment in full to Ameresco as of the time of termination for that Report.

F. Construction Financing Instrument:

Prior to commencing the Construction Phase of the Agreement, PHA will obtain the Construction Financing, subject to, and in accordance with, the terms and conditions set forth in this Agreement.

i. The agreement governing the Construction Financing from a Lender shall be attached herein as Appendix C, the terms of which shall be reviewed and approved by the PHA, in its sole discretion.

ii. PHA's obligation to make payments pursuant to the Construction Financing and payments from the

Construction Account will commence on the date that funds are deposited in the Construction Account from the Construction Financing ("Construction Financing Commencement Date") and will be subject to the terms and conditions of this Agreement.

iii. PHA acknowledges and understands that the amount of the Construction Financing payments will be subject to current market conditions and credit approval by the Lender.

iv. Liens and Attachments: IN THE EVENT THAT ANY MECHANIC'S LIEN SHALL BE FILED, WITH RESPECT TO THE SCOPE OF WORK PERFORMED PURSUANT TO THIS AGREEMENT OR AGAINST ANY PAYMENT DUE OR TO BECOME DUE UNDER THIS AGREEMENT, OR BY REASON OF ANY OTHER CLAIMS OR DEMANDS AGAINST AMERESCO, AMERESCO SHALL PROCURE THE RELEASE OR DISCHARGE THEREOF WITHIN NINETY (90) DAYS EITHER BY PAYMENT OR IN SUCH OTHER MANNER AS MAY BE PRESCRIBED BY LAW OR PHA MAY WITHHOLD SUCH SUMS ON ACCOUNT OF SUCH LIENS IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS. NOTICE IS HEREBY GIVEN THAT THE PHA SHALL NOT BE LIABLE FOR ANY LABOR, SERVICES OR MATERIALS FURNISHED OR TO BE FURNISHED TO AMERESCO, AND THAT NO MECHANICS' OR OTHER LIENS FOR ANY SUCH LABOR, SERVICES OR MATERIALS SHALL ATTACH TO OR AFFECT THE INTEREST OF THE PHA IN AND TO ANY OF THE DEVELOPMENTS. THE PHA SHALL BE PERMITTED TO POST ANY NOTICES ON THE DEVELOPMENTS REGARDING SUCH NON-LIABILITY OF THE PHA. NOTWITHSTANDING THE FOREGOING, AMERESCO RESERVES ALL OF ITS RIGHTS UNDER SUCH LAW AND DOES NOT WAIVE ANY RIGHTS WHICH IT MAY HAVE UNDER SAME.

G. Conditions to the Commencement of Construction:

The following events (in accordance with the applicable provisions of this Agreement) during the Design and Construction Funding Phase are conditions precedent to the commencement of the Construction Phase and the closing of the Construction Financing:

i. PHA entering into the Construction Financing agreement;

ii. receipt of approval from HUD by PHA for application of any Supplemental Construction Funding as defined in Section (4);

iii. receipt of all necessary approvals from HUD, execution by HUD and PHA of all necessary agreements in connection with both the Conservation Project and the receipt by PHA of approval of future subsidy payments related to the "HUD Incentive for Conservation Savings" (as described in this Section (4));

iv. receipt and recordation in the public records of Miami-Dade County of payment and performance bonds in accordance with the requirements set forth in this Agreement; and

v. receipt by or on account of Ameresco and/or PHA of all necessary permits, licenses, approvals and other governmental or non-governmental authorizations needed for the installation of the ECMs.

Each of the foregoing approvals and authorizations entered into or received by Ameresco shall be subject to the review and approval of PHA, which shall not be unreasonably delayed or withheld. Any such approval shall be deemed reasonably withheld if the rights or obligations under this Agreement of the Party withholding its approval are materially adversely affected by the agreement, permit, license, approval or authorization in question.

H. Sample Installations:

Prior to beginning the work hereunder, Ameresco will provide product cut-sheets and PHA, at its option, may reasonably request to have Ameresco provide a sample installation of any of the following ECMs to be installed: lighting, toilets, and other appliances. PHA shall furnish its written approval or disapproval of each installed sample ECM or each such product cut-sheet within twenty (20) calendar days following its receipt of written notice by Ameresco of completion of each such sample installation or the provision of such product information to PHA. PHA's approval of such sample ECMs or product information shall be in substantially the form of Attachment K hereto ("Sample Installation Approval Certificate"). If PHA disapproves any such ECM, Ameresco shall have the right to provide a substitute ECM which conforms to the applicable specifications or is equivalent to any applicable sample provided to and approved in writing by PHA hereunder. Ameresco shall revise the Attachments to reflect each such substitution, subject to PHA's written approval of each revised Attachment. In the event PHA does not approve of any such substituted ECM's or specifications and Ameresco has no specific right hereunder to provide a substitute ECM, the Parties hereby agree to negotiate a mutually acceptable solution. PHA shall not unreasonably withhold or delay any approval provided for

herein.

(5) OWNER DIRECT EXEMPTION PROCEDURES

A. Sales Tax Included

Ameresco has included in the Total Contract Cost, Florida State Sales Tax and other applicable taxes for materials, supplies and equipment to be used in the construction of the Conservation Projects.

As a result, all material, equipment, supplies and other items purchased by Ameresco shall be subject to applicable Florida Sales Tax in accordance with applicable State laws.

(6) PHASE II - CONSTRUCTION

A. Construction:

i. During the Construction Phase, Ameresco shall furnish all labor, materials and equipment and perform all work required for the completion of the Scope of Work set forth in Appendix B, including the installation of the ECMs listed therein, as Appendix B may be revised from time to time in accordance with the terms of this Agreement.

ii. At all times relevant to this Agreement, Ameresco shall permit PHA or any of its representatives to enter upon each of the Development sites to inspect, test and approve both the work conducted in the facility, during construction and operations, subject to compliance with all of the site safety requirements and procedures, and to access the books, records, and other compilations of data which pertain to the performance of the provisions and requirements of this Agreement, including attendance of the PHA's representative at relevant on-or-off-site meetings of Ameresco and/or its subcontractors.

iii. Before Ameresco commences any construction or installation work or purchases any supplies, equipment or materials for the Conservation Project and upon the receipt by Ameresco of an irrevocable Notice to Proceed from PHA, Ameresco shall execute and provide to the PHA and record in the public records of Miami-Dade County, performance and payment bonds for the total cost of the Conservation Project in compliance with the terms of Florida Statutes Section 255.05, naming the County as a beneficiary and as an obligee thereof. The performance and payment bonds apply only to the installation portion of the Agreement and do not apply in any way to the Energy Savings Guarantee or maintenance provisions, except that the performance bond shall guarantee that the installation will be free of defective materials and workmanship for a period of twelve (12) months following issuance of Notice of Substantial Completion and deemed acceptance of the installed ECMs.

B. Labor and Material for Construction:

i. Ameresco shall ensure that all laborers shall be competent to perform the tasks undertaken, and licensed where applicable, that all materials and equipment provided shall be new and of appropriate quality in accordance with equipment selections and specifications as approved by the PHA at the time of design submittals, and that the completed work shall comply with the requirements of this Agreement. Ameresco and its Construction Subcontractors shall comply with all applicable Federal, State and local laws, regulations and requirements, including but not limited to Section 3 and MWBE goals as specified by the PHA and the Florida Building Code.

ii. Ameresco shall make, or cause to be made, prompt payment of all monies due and legally owing to all persons, firms, and corporations doing any work, furnishing any materials or supplies or renting any equipment to Ameresco or any of its contractors or subcontractors in connection with the construction, reconstruction, furnishing, repair, maintenance or operation of the Developments, with respect to work performed pursuant to this Agreement and in all events will bond or cause to be bonded, with surety companies reasonably satisfactory to the PHA, or pay or cause to be paid in full forthwith, any mechanic's, materialmen's or other lien against the Developments placed due to the Services or work performed hereunder and shall procure the release or discharge of same thereof within ninety (90) days either by payment or in such other manner as may be prescribed by law or PHA may withhold such sums on account of such liens in accordance with the applicable requirements as set forth in Section 4Fv, above.

iii. Ameresco shall competitively select one or more appropriately licensed, qualified contractors to undertake the Conservation Project solicit pricing from qualified subcontractors, and shall solicit pricings from major equipment vendors (hereafter "Construction Subcontractors") for the purpose of reasonably minimizing the cost of the construction and

installation of the ECMs contained in Appendix B. With respect to the competitive selection of Construction Subcontractors, Ameresco shall comply with all applicable laws and requirements and in furtherance, and not in limitation thereof, shall encourage the involvement of resident-owned businesses and local minority and women-owned businesses by making so called "outreach" efforts through newspaper advertising, mailing lists and direct telephone calls. Ameresco and its Construction Subcontractors will comply with the HUD General Conditions for Construction, applicable provisions of Section 3 and MWBE policies of PHA, and state labor law.

iv. All Construction Subcontractors, consultants, and subconsultants that Ameresco uses to perform the work hereunder, are subject to the prior written approval of PHA as more fully described in Section (17) of this Agreement, such approval not to be unreasonably withheld conditioned or delayed. Ameresco agrees to reasonably assist PHA in making a claim under any insurance policy of a Construction Subcontractor of Ameresco including, but not limited to, completing and submitting any required forms or providing any required information to enable PHA to recover on its claim. Ameresco shall specify, in writing, prior to commencement of any work authorized in part or whole by this Agreement, a list of all parties, contractors, and vendors and specify that all parties, contractors and vendors are not listed on the List of Parties Excluded from Federal Procurement or Nonprocurement Programs, published by the United States General Services Administration. Nothing contained in this Agreement shall create any contractual relation between any Construction Subcontractor and PHA.

v. Ameresco's Construction Subcontractor agreements shall include a provision that the Construction Subcontractors shall indemnify, defend and hold harmless PHA from and against all claims, suits, damages, costs or any other liability whatsoever resulting from or arising out of the Construction Subcontractor's performance of, or failure to perform, the work for which the Construction Subcontractor has been retained, in the form shown below:

"The Construction Subcontractor shall indemnify and hold harmless the PHA and its officers, employees, agents and instrumentalities from any and all liability, losses or damages, including attorneys' fees and costs of defense, which the PHA or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits, causes of actions or proceedings of any kind or nature arising out of, relating to or resulting from the performance of this Agreement by Construction Subcontractor or its employees, agents, servants, partners principals or the Construction Subcontractor's subcontractors. The Construction Subcontractor shall pay all claims and losses in connection therewith and shall investigate and defend all claims, suits or actions of any kind or nature in the name of the PHA, where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorney's fees which may issue thereon. The Construction Subcontractor expressly understands and agrees that any insurance protection required by this Agreement or otherwise provided by the Construction Subcontractor shall in no way limit the responsibility to indemnify, keep and save harmless and defend the PHA or its officers, employees, agents and instrumentalities as herein provided. The obligations of the Construction Subcontractor under this provision shall survive any expiration or termination of this Agreement and shall not be limited by any enumeration herein of required insurance coverage."

Ameresco agrees to reasonably assist PHA in enforcing the indemnity provision above including, but not limited to, providing documentation requested by PHA.

vi. Not Deemed PHA Employees: No person assigned to perform work under this Agreement by Ameresco shall be deemed to be an employee of PHA for any purpose.

vii. Qualified Personnel: Ameresco shall employ only qualified and competent persons and Construction Subcontractors in the provision of services to be performed hereunder. If, in the opinion of the PHA, Ameresco violates such obligation, after providing Ameresco notice and ten (10) business days to cure, PHA, in the reasonable exercise of its discretion, may demand that the unqualified and/or incompetent person be replaced and not again be employed in the performance of this Agreement, which demand shall be complied with by Ameresco as soon as practicable, considering Ameresco's need to obtain a suitable replacement employee or Construction Subcontractor.

viii. Independent Contractor: In performing the services hereunder, Ameresco has the status of an independent contractor. Neither Ameresco nor its employees nor its Construction Subcontractors are to represent themselves to be, or be deemed to be, employees or agents of, and shall have no power to bind, PHA. Ameresco is solely responsible for payment of all compensation owed to its own personnel and its Construction Subcontractors, as well as for payment of all employment-related and other similar taxes (subject to other provisions of this Agreement relating to taxes) and liabilities incurred by Ameresco or its Construction Subcontractors.

ix. Prevailing Wages: Consistent with the requirements of HUD Form 5370, General Conditions for Construction set forth in Appendix N, Ameresco shall pay the required wage rates for work in connection with this Project pursuant to

the federal Davis-Bacon wage requirements as specified by the PHA and shall provide to the PHA, upon request, documentation evidencing compliance with Davis-Bacon wage requirements. The wage determination in effect as of the Execution Date shall be an attachment to this Agreement.

x. Ameresco has included in the Total Contract Cost, Florida State Sales Tax and other applicable taxes for materials, supplies and equipment to be used in the construction of the Conservation Projects. As a result, all material, equipment, supplies and other items purchased by Ameresco shall be subject to applicable Florida Sales Tax in accordance with applicable State laws.

C. Construction Project Management:

During the Construction Phase, Ameresco shall undertake in a timely fashion the activities required of Ameresco as described in this Section 5(C), including, without limitation, the oversight of ECM-related activity conducted at the Developments as provided for within the "Summary of Recommended ECMs" (Appendix B).

i. Project Manager: During the Construction Phase, Ameresco shall serve as "Project Manager" on behalf of PHA, and shall, in consultation with PHA, schedule and oversee as described in this Section 5(C), installation of the ECMs included in the "Summary of Recommended ECMs" (Appendix B).

ii. Prime Contractor: During the Construction Phase, Ameresco shall serve as "Prime Contractor" on behalf of PHA for, and directly contract for the installation of, such ECMs included in the "Revised Summary of Recommended ECMs" (Appendix B).

iii. Project Scheduling: PHA and Ameresco shall mutually plan the scheduling and coordination of the construction work. The construction work will be planned to reasonably minimize the interruption of the daily routine of and services provided to PHA's staff and residents except as permitted in writing by PHA. Ameresco shall prepare milestone schedules and shall outline and track the schedule of work for all significant phases of construction, and shall produce written progress meeting minutes or monthly progress reports for PHA on a percent completion summary with each requisition submitted for payment. In no case shall Ameresco be responsible for delays in the Conservation Project caused by the failure of PHA, or others under contract with PHA, to schedule and/or coordinate work with the work to be performed for Ameresco under the construction subcontracts or caused by the failure of PHA to provide access or perform any other obligation related to the construction work.

iv. Access: PHA shall provide such reasonable access to the Developments for Ameresco and approved Construction Subcontractors at all times during the course of the work hereunder. Ameresco may access occupied apartments, at reasonable hours, upon forty-eight (48) hours written notice to the Residents and to PHA. PHA will cooperate with Ameresco by authorizing and facilitating issuance of notice to Residents in a timely manner and otherwise, by encouraging and promoting a cooperative relationship between Ameresco and Residents of the Developments and to accomplish its work during normal business hours. Ameresco shall use its best efforts to avoid disruption of services or inconveniences to the Residents. If Ameresco or its Construction Subcontractors require access to the Developments outside of PHA's normal business hours, Ameresco will notify PHA of this need during normal business hours, and Ameresco and its Construction Subcontractors will comply with any PHA security requirements regarding after-hours access.

v. Requisitions and Direct Payments: Prior to submission of Requisitions for payment, Ameresco shall provide a schedule of values for PHA itemizing the budgets for each ECM by site number. Ameresco shall produce, or cause its Construction Subcontractors to produce, monthly requisitions for payment by PHA for percentage of completed work and will include a sworn statement by Ameresco that: (1) work covered by the requisition for payment being submitted has been completed; (2) Ameresco has paid Construction Subcontractors and Materials Suppliers for work for which (a) previous Requisitions for payment were submitted by Ameresco and (b) payment was received from PHA; and 3) appropriate lien waivers or conditional lien waivers have been executed by Ameresco and all Construction Subcontractors and material suppliers and delivered to the PHA; subject to any retainage provisions included in the Construction Contract Documents. PHA shall pay Ameresco the amount of all Requisitions submitted by Ameresco in accordance with this Section 5 within thirty (30) days of receipt of such Requisition. PHA's unreasonable failure to approve or to pay requisitions within thirty (30) days will make PHA (not the Conservation Project Budget) liable for late payment fees pursuant to Section (11) (E) Late Payment Charges.

vi. Construction Accounting: Ameresco shall track all Requisitions of the Conservation Project and shall provide PHA with reports illustrating all activity in the Construction Account at appropriate intervals, but not less frequently than

monthly. The reports will summarize the "Revised Scheduled Value", payments under properly approved Requisitions to date, remaining amounts due under change orders and addenda, and the balances available in the Construction Account by ECM. A PHA contingency amount of five hundred thousand dollars ($500,000.00) shall be included in Appendix D, Cashflow, that can be applied to support ancillary conditions beyond the scope set forth in Appendix B, subject to approval by PHA. Any unexpended funds remaining in the PHA contingency amount shall revert to PHA, subject to provisions of the Construction Financing Agreement between PHA and Lender that may apply to unexpended proceeds. Ameresco shall require its Construction Subcontractors to maintain applicable weekly payroll and MBE utilization forms as applicable for submission with requisitions and for approval by the PHA.

vii. Substantial Completion: Ameresco and PHA shall make an inspection jointly upon Ameresco's provision of a Notice of Substantial Completion of work performed directly by Ameresco under this Agreement. A Punch List will be developed as a result of this inspection and PHA shall, consistent with the requirements of HUD Form 5370, General Conditions for Construction set forth in Appendix N, release funds to Ameresco, including retainage, if any, to a level commensurate with the completion percentage of the work using the Delivery and Acceptance Certificate as set forth in Schedule F-1.

viii. Final Inspection of Construction Contract Work: Ameresco and PHA shall make a final inspection jointly upon final completion of work performed directly by Ameresco under this Agreement. Before final payment is made, Ameresco shall make a recommendation to PHA and PHA shall in its reasonable discretion approve the work in writing utilizing Appendix F-2 ("Delivery and Acceptance Certificate"). Final acceptance of the work will be made in accordance with requirements of HUD Form 5370, General Conditions for Construction. Upon receipt of Notice of such Delivery and Acceptance Certificate, PHA shall have a reasonable timeframe to inspect such work.

ix. Waiver and Release of Lien: Before any progress or final payments are released, Ameresco shall secure from each supplier to Ameresco and each Construction Subcontractor or supplier, a lien release, certificate and/or affidavit, as may be appropriate under the circumstances, that each such supplier, or Construction Subcontractor has been paid to the extent required. The form of any applicable waiver or release documentation required by HUD shall be included in each construction contract or other Construction Document and shall be executed and delivered by each Construction Subcontractor, supplier or other contractor from time to time, as required by HUD. Conditional lien releases and waivers may be provided by Ameresco or Construction Subcontractors where required prior to receiving payment for work covered by any waiver and release of lien and in accordance with section 4 Fv.

x. Equipment Ownership: Ownership and title to the ECMs referenced in Appendix B and each Notice of Substantial Completion (Appendix F-1) will automatically transfer to the PHA upon both: (a) the delivery of each such Delivery and Acceptance Certificate by PHA to Ameresco, the execution and delivery of which shall not be unreasonably withheld or delayed, and (b) completion of PHA's payment obligations for said ECM(s) or parts thereof, per Appendix N, HUD Form 5370, General Conditions for Construction, to Ameresco or payment authorizations with respect to Ameresco, excluding payment obligations related to maintenance or other annual services hereunder.

xi. Treatment of Hazardous and Non-Hazardous Materials: Ameresco, at its cost, shall be responsible for disposal of all non-hazardous equipment and materials which are rendered useless and removed as a result of the installation of the ECMs pursuant to this Agreement.

In addition, Ameresco shall, at its cost, cause all lamps which are classified as hazardous wastes by the rules and regulations of the U.S. Environmental Protection Agency (40 CFR § Parts 260 through 279) and/or the applicable State regulations and PCB-contaminated ballasts, if any, which have been rendered useless and removed as a result of the installations of the ECMs to be legally and properly transported and disposed of. All other existing PCB-contaminated ballasts lamps and any other hazardous materials not part of Ameresco's scope of work, however, remain the responsibility of PHA and Ameresco shall assume no liability in connection with their removal, transportation and disposal.

Ameresco's scope of services is predicated on the viability of this Conservation Project without any asbestos abatement being required of Ameresco. To the extent possible, Ameresco will determine during the design process the areas where asbestos abatement will be required prior to construction and will provide written notice to the PHA of such areas. During construction, in the event that: (i) Ameresco encounters any friable asbestos which is in the immediate vicinity of Ameresco's work, or (ii) Ameresco determines that its work will result in the disturbance of asbestos material, or (iii) Ameresco determines that the presence of asbestos material will impede Ameresco's work, Ameresco will immediately notify PHA of the same and PHA will, at its cost, cause the asbestos to be promptly and properly removed, enclosed, encapsulated or otherwise abated in accordance with applicable laws and regulations, or alternatively, PHA, at its cost, may provide written test reports showing that asbestos in that area has been properly

removed, enclosed encapsulated or otherwise abated in accordance with applicable laws. In the event Ameresco and PHA cannot mutually determine whether any particular material does or does not contain asbestos, PHA, upon Ameresco's written request, will, at its cost, promptly perform tests or cause tests to be performed in order to determine whether or not such material contains asbestos and/or whether there are unacceptable levels of airborne particulate material containing asbestos or provide such a test report. Under no circumstances, shall Ameresco be required to handle asbestos. In the event it encounters asbestos which materially affects its progressing of the work of this Project, Ameresco, at its option, may demobilize and cease construction in the area affected by the presence of asbestos until such time as PHA performs the actions required to be performed by PHA which are described in this Subsection. In the event that PHA does not promptly take action as provided herein after receiving Ameresco's written notice regarding the asbestos, Ameresco may remove the affected area from its scope of services hereunder (and make commensurate adjustments to the rights and obligations of the Parties). PHA shall be responsible for reasonable costs incurred by Ameresco that pertain to delays caused during construction due to the presence of asbestos, or shall extend the timeframe for completion of construction without penalty hereunder. To the extent such delay affects the beginning of the permanent financing repayment under the Construction Financing, the PHA shall not penalize Ameresco for such delays which affect the Energy Savings hereunder.

xii. Resident Education and Training: Ameresco shall, during construction, schedule and hold a minimum of one (1) on-site educational seminar providing a total of four (4) hours of training at no additional cost to PHA for the Residents and Resident Councils of each of the Developments affected by the Conservation Project and shall supply a notice to inform Residents and Resident Councils about the ECMs installed under the Conservation Program. The on-site educational seminars shall be video-recorded by Ameresco and provided, on DVD format, to the PHA. Ameresco, in conducting such seminars and distributing such newsletters, shall follow all manufacturer-recommended procedures without thereby endorsing or guaranteeing such procedures. Ameresco shall be available on a time and expenses basis to provide additional seminars, training workshops and/or newsletters as requested by PHA for additional services as provided for in Section 11(D) "Fees" for Additional Services, at the rates set forth in Appendix E-l(c) "Energy Service Fees and Expenses."

xiii. Management and/or Maintenance Staff Training: Upon completion of construction of the Conservation Project, Ameresco shall schedule and hold, at no cost to PHA, at least one (1) on-site educational session or training workshop, for the management and/or maintenance staff at an appropriate location, and Ameresco shall distribute manuals and other educational materials as may be available from manufacturers of ECMs and Construction Subcontractors. Ameresco, in conducting such seminars and workshops, shall follow all manufacturer-recommended procedures without thereby endorsing or guaranteeing such procedures. The on-site educational sessions or training workshops shall be video-recorded by Ameresco and provided, on DVD format, to the PHA. Ameresco shall be available on a time and expenses basis to provide additional seminars, training workshops and/or newsletters as requested by the PHA for additional services as provided for in Section (11)D "Fees" for Additional Services, at the rates set forth in Appendix E-l(c), "Energy Service Fees and Expenses", to provide additional seminars and/or training workshops as requested by the PHA.

D. Systems and Equipment Manual:

Upon completion of construction of the Conservation Project, Ameresco shall compile manufacturer-provided literature on the operation and maintenance of the ECMs, including such preventive maintenance requirements as may be required by the respective equipment or systems manufacturers, for reference by the PHA. Ameresco, in compiling such literature and information, shall include all manufacturer-recommended procedures without thereby endorsing or guaranteeing such procedures, and shall provide three (3) physical copies, and one (1) electronic copy provided on a Compact Disc (CD), of such manuals to PHA for distribution to applicable maintenance staff. Upon completion of the final Scope of Work for Phases I and II, Ameresco will provide to PHA a single comprehensive schedule of necessary preventive maintenance for all installations for the five (5) years following the contract close-out.

E. "As-Built" Documentation

Ameresco will prepare and furnish to PHA, within thirty (30) days of the Substantial Completion Date, four (4) copies of "As-Built" Drawings in native AutoCAD release 14 Format (min.).

F. Warranty:

Ameresco covenants and agrees that all equipment installed by Ameresco as part of this Agreement is new, in good and proper working condition and protected by applicable manufacturer's written warranties, which at a minimum shall warrant that the equipment shall be new, unused and undamaged when delivered and be free from improper

workmanship and defects, and as described in this subsection 5(F) and in accordance with the design specifications as approved by the PHA. Similar protections shall be required of all Construction Subcontractors. The warranty period with regard to individual ECMs commences on the issuance of the Notice of Substantial Completion Date for the individual ECM.

Ameresco shall require all Construction Subcontractors to provide to PHA and Ameresco materials and labor guarantees and warranties for a period of not less than one (1) year on all improvements installed under Construction Subcontracts as a part of the Conservation Project. For ECMs installed under Construction Subcontracts, Ameresco shall require equipment manufacturers to provide a warranty period consistent with the standard in the industry but in no event less than one (1) year, and Ameresco agrees to cooperate and assist in the enforcement of any such warranty during the warranty period. All such warranties shall specify that only new, not used or reconditioned parts, may be used and installed when repair is necessitated by malfunction. Ameresco shall provide and deliver to PHA a copy of all written warranties at the time of issuance of the Notice of Substantial Completion for such ECM.

THE WARRANTIES SET FORTH HEREIN ARE EXCLUSIVE, AND AMERESCO PROVIDES NO OTHER PERFORMANCE AND SERVICE WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY OR SUITABILITY FOR ANY REPORT, DESIGN, ITEM, SERVICE OR OTHER RESULTS TO BE DELIVERED UNDER THIS AGREEMENT, UNLESS SPECIFICALLY SET FORTH IN THIS AGREEMENT.

G. Ameresco's and PHA's Representatives:

Ameresco's senior representative for this Agreement is Janice S. DeBarros, Vice President, or his/her designee or successor ("Ameresco's Senior Representative"). Ameresco's Senior Representative is the primary contact regarding Ameresco's contractual coordination and interface with PHA's personnel. Ameresco's Senior Representative shall work with PHA in resolving any problems that may occur with respect to the services when those problems cannot be satisfactorily resolved at a lower level.

Ameresco's engineering and construction coordinator for this Agreement is Michael J. Daigneault Vice President, East Region, or his/her designee or successor ("Ameresco's Coordinator"), who shall coordinate Ameresco's provision of the services. Wherever this Agreement refers to Ameresco's performing any obligation, exercising any right or otherwise acting under this Agreement with regard to the services, Ameresco's Coordinator will be the primary contact with PHA. When necessary, Ameresco's Coordinator shall refer problems to Ameresco's Senior Representative.

Ameresco and its Construction Subcontractors shall coordinate their work effort in performing the Conservation Project and shall follow the directions that PHA may give from time to time. In the event Ameresco encounters significant difficulty in performing the Services under this Agreement, or anticipates any significant delay in performing the Services, Ameresco shall notify PHA's Senior Representative promptly, both orally and in writing. The PHA and Ameresco representatives shall hold quarterly conference calls during the installation period to review the status of the services. Additional conference calls will be held at the request of either Party. PHA and Ameresco will confer at a mutually agreed upon date and time within five (5) business days after PHA's or Ameresco's request for any such conference. Although it is anticipated that conference calls will be the normal mode of meeting between the parties, if either Party feels that a face-to-face meeting is required, the other Party will agree to a face-to-face meeting at a mutually agreeable location, date and time.

H. Clean-up:

Ameresco shall maintain the Conservation Project sites in a reasonably clean condition during the performance of the construction work. In that regard, Ameresco shall thoroughly and regularly clean the Conservation Project sites of all debris, trash and excess material or equipment.

(7) PHASE III - PROJECT OPERATION

During the Project Operation Phase of this Agreement, Ameresco shall perform the following "Energy Management Services" as described in this Section (7) - Phase III Project Operation.

A. Utility Use Monitoring:

The PHA shall supply Ameresco with monthly utility billing data for PHA-paid utility accounts affected under this Agreement in order for Ameresco to compile monitoring reports. Such data shall be furnished electronically in the

Excel spread-sheet or equivalent format as to that which was received during the Energy Audit Report preparation. Ameresco shall monitor the monthly weather- and rate-adjusted Energy Base Year and Energy Savings for the Developments using its energy monitoring software, and shall review quarterly data and report any identified anomalies to PHAs in accordance with the Utility/Energy Supplier Savings Calculation contained in Appendix G, ("Monitoring and Verification of Savings Methodology").

B. Annual Reconciliation:

Ameresco shall produce for PHA within ninety (90) days of receipt of the 12th set of monthly utility bills (with respect to each successive twelve (12) month period following Ameresco's receipt of the final Delivery and Acceptance certificate provided by PHA to Ameresco hereunder), an annual year-end reconciliation of savings achieved for the project (the "Annual Reconciliation"). Any major deviation from budgeted annual savings shall be thoroughly investigated and reconciled by Ameresco and PHA pursuant to the Conditional Energy Savings Guarantee.

C. HUD Utility Subsidy Forms:

Ameresco shall assist PHA in preparation of pertinent annual HUD forms 52722 and/or 52723 on request.

D. Site Visits:

Each year throughout the Project Operation Phase of this Agreement, Ameresco shall visit each Development affected by the Conservation Project and a sample of the ECMs installed under this Agreement. This visit is intended to determine whether or not the ECMs are operating properly and are being maintained and operated by PHA in accordance with the Ameresco Systems and Equipment Manual described in Section 6(C), Construction Project Management. Ameresco shall provide PHA a written Site Visit Report. Should there be updates to the installed ECMs that may need to be communicated to the residents, Ameresco will prepare notices for distribution. Ameresco will be available on a time and expenses basis, at the rates set forth in Appendix E-l(c) ("Contract Costs, Annual Services, and Hourly Rates"), for additional visits and for on-going maintenance assistance. Ameresco shall provide on-going assistance in the form of brief consultation by phone to PHA or its assigns at no additional charge.

E. Annual Service Contracts:

The cost associated with such contracts shall be paid from savings under this Agreement only if they are expressly included in Appendix D, attached. Any such contract shall be executed and paid directly by PHA unless Appendix D is amended for such purpose during the contract term.

F. Maintenance Staff Training:

Ameresco shall, on an annual basis as a part of their annual fee, schedule and hold up to one (1) educational session or training workshop, for the management and/or maintenance staff at an appropriate location, and distribute updated manuals and other materials as may be available from manufacturers. The on-site educational sessions or training workshops shall be video-recorded by Ameresco and provided, on a DVD format, to the PHA. Ameresco, in conducting such seminars and workshops, shall follow all manufacturer-recommended procedures without thereby endorsing or guaranteeing such procedures. Ameresco shall be available on a time and expenses basis for additional services at the rates set forth in Appendix E-l, Energy Service Fees and Expenses, to provide additional seminars and/or training workshops as requested by the PHA.

(8) ENERGY SAVINGS DURING PHASE III

A. Calculation of Savings:

For the purposes of this Agreement, Energy Savings during the Project Operation Phase shall be calculated using the formulae and assumptions contained in the Monitoring and Verification of Savings Methodology included in Appendix G.

B. PHA-Supplied Documents:

PHA shall furnish Ameresco each month with copies in electronic Excel spread-sheet or equivalent format of utility bills for Developments and utilities included in the Utility Baselines contained in Appendix D and Monitoring and Verification of Savings Methodology contained in Appendix G, within thirty (30) days of receipt from utility companies. Any utility bills that require further data manipulation by PHA must be sent to Ameresco within forty-five (45) days of receipt by PHA. PHA shall supply completed copies of HUD forms 52722 and 52723 related to the Conservation Program to Ameresco. PHA agrees to provide Ameresco with any portions of the income and expense

statements concerning the operations of the Developments that are necessary for Ameresco to perform the services specified in this Agreement. PHA also agrees to provide information regarding modernization plans or changes that will impact energy use pursuant to Section (9) E. "Disclaimer Regarding Material Changes" and Section (9) F. Adjustments on Account of Material Changes.

(9) CASH FLOW

As illustrated in the "Cash Flow Projection" and "Revised Cash Flow Projection" included in Appendix D, the cash flow for the Conservation Project shall be defined as follows:

A. Project Operating Budget:

Ameresco shall, in consultation with, and approval by the PHA, define the projected annual project budget for the repayment of the Construction Financing and related Conservation Project expenses. Ameresco shall review and adjust the budget annually for the Term of the Construction Financing repayment in conjunction with the Annual Reconciliation described in Section (7)B Annual Reconciliation, above.

B. PHA Debt Service and PHA Utility Payments:

PHA shall be responsible for, and shall pay directly: (i) all Debt Service costs to the third party Lender under the Construction Financing agreement; and, (ii) all applicable utility bills to utility companies for each Development.

C. Fixed Annual Services Fee Payments to Ameresco:

In consideration of the annual services provided by Ameresco during Phase III for which no specific compensation is provided by Construction Financing and Supplemental Construction Funding, PHA shall pay to Ameresco a Fixed Annual Services Fee in the amounts contained in Appendix E-l (the "Fixed Annual Services Fee"). Payments to Ameresco of its Fixed Annual Services Fee shall come from the Energy Savings on the Conservation Projects. Ameresco understands and acknowledges that PHA shall have no liability to make payments to Ameresco for the Fixed Annual Services fee in any given year if the Fixed Annual Services Fee exceeds the amount of money available from Energy Savings, as such amount is first reduced by PHA's Debt Service payments.

D. Construction Financing Payments and Fixed Annual Services Fee Coverage:

As set forth in the "Cash Flow Projection" and any applicable "Revised Cash Flow Projection" included in Appendix D, the Parties project that the "Revised Energy Savings", will be sufficient to pay the Construction Financing Debt Service, Annual Fees, and Maintenance Reserve. In the event that the actual cash flow from actual Energy Savings is insufficient to cover the Debt Service, Annual Fees, and Maintenance Reserve in any given year, Ameresco shall provide PHA with any funds as may then be required to cover the shortfall in accordance with the Conditional Energy Savings Guarantee agreement entered into by Ameresco and PHA pursuant to Section (10) Conditional Energy Saving Guarantee, below. The funding for the Construction Financing and other annual costs will be provided to PHA by HUD as provided for in Appendix L ("HUD Approval Letter").

E. Excess Energy Savings:

During the Operations Phase, PHA shall be entitled to retain one-hundred percent (100%) of any excess annual Energy Savings that remain after PHA has: (i) paid all Debt Service for the year; and (ii) paid Ameresco the Fixed Annual Services Fee for such year.

F. Disclaimer Regarding Material Changes:

Ameresco has made, and will make, its final projections of "Energy Savings", and "Revised Energy Savings", in good faith based upon the condition of the Developments at the time of the final Energy Services Plan, and based upon information supplied to Ameresco by PHA. A reduction in actual Energy Savings from the levels projected may be caused by factors outside the control of Ameresco. Those factors include, without limit, (i) materially inaccurate information (the inaccuracy of which Ameresco is not responsible for); (ii) Material Changes in the condition or use of the Developments or utility-using equipment at the Developments; (iii) any failure of PHA, tenants, or other third parties to follow recommended operational or maintenance practices or otherwise to meet obligations with respect to the operation or maintenance of the Developments; (iv) any Material Changes to, or removal of, ECMs which have not been approved by Ameresco and any Material Changes resulting from damage to, or destruction of, ECMs which is not promptly remedied by PHA. If a reduction in actual Energy Savings occurs due to any such

factors, and if the size of such reduction is at least equal in value to the "Material Change Threshold" described in "DEFINITIONS", then a "Material Change" shall be deemed to have occurred. Ameresco shall have no liability or obligation to PHA for such reduction or otherwise on account of such Material Change. Any guaranty executed by Ameresco under Section (10), Conditional Energy Savings Guarantee, or other provision of this Agreement, which is or may be to the contrary shall be deemed to be subject to the disclaimer in this Section. Notwithstanding the foregoing, a reduction in actual Energy Savings which is a direct result of a material failure by Ameresco to perform its obligations under this Agreement shall not be deemed to have resulted from a Material Change.

G. Adjustments on Account of Material Changes:

If a Material Change within the meaning of Section (9)E "Disclaimer Regarding Material Changes" shall occur and PHA shall be aware of such Material Change, PHA shall provide sufficient notice to Ameresco, pursuant to Section (11) Maintenance, Material Alterations and Security, to allow, in consultation with Ameresco, appropriate adjustments to the Utility/Energy Supplies Savings Calculation contained within Appendix G and, if appropriate, to the Baseline contained in Appendix D, to be made. Such adjustments shall recalculate Energy Savings as if such Material Change had not occurred. In the absence of such notice, Ameresco and the PHA shall consult and make the appropriate adjustments to the Energy Savings Calculation upon learning of any unreported Material Change. Without limiting Section (9) E, Disclaimer Regarding Material Changes, Ameresco shall not be responsible for any such Material Change.

(10) CONDITIONAL ENERGY SAVINGS GUARANTEE

At the time of the closing of the Construction Financing, as described in Section (4) Phase I - Design and Construction Funding, Ameresco shall provide a Conditional Energy Savings Guarantee with and for the sole benefit of, PHA in the form as attached in Appendix I. This guarantee may be incorporated as an exhibit to the Construction Financing documents. The Conditional Energy Savings Guarantee shall provide that the Energy Savings, as set forth in Appendix D and as verified and valued in accordance with the methodology set forth in Appendix G, shall be sufficient to cover the annual cost of the installment payments under the Construction Financing (including principal and interest payments), as set forth in Appendix D and approved by HUD in Appendix L, and the Incremental Maintenance Costs, all in accordance with the terms and conditions set forth herein.

(11) MAINTENANCE, MATERIAL ALTERATION, AND SECURITY

A. Maintenance and Maintenance Costs:

Notwithstanding any provisions of this Agreement which pertain to Ameresco's Services related to the operation of installed ECMs, PHA shall, during the Project Operation Phase, maintain the energy-related building structures, fixtures, and equipment in accordance with the Ameresco design specifications and manufacturer's maintenance recommendations specified in the "Ameresco Systems and Equipment Manual", in a condition equivalent to its condition on the Execution Date. Inspections performed by Ameresco, insurance providers, or assigns, pursuant to Section (7)D, Annual Site Visit, and Section (10), Conditional Energy Savings Guarantee, and such other inspections as may be conducted, will be utilized to inform the PHA and Ameresco on any required maintenance action unperformed. PHA shall be notified of any inspections and given the opportunity to participate in the inspections. Ameresco is not responsible or liable for any existing or latent condition of the Developments, whether visible or enclosed, including, but not limited to, existing or latent wiring, metering devices, structural, mechanical, distribution systems of all kinds, machinery, structural elements, piping, switches, valves or any other system components that are not installed under this Agreement.

PHA shall be responsible for all on-going costs associated with properly maintaining and servicing the existing equipment and systems at the Developments. PHA shall be responsible for performing preventive maintenance as may be recommended or required by the respective manufacturers of new equipment or systems, as summarized in the "Ameresco System and Equipment Manual". PHA's maintenance responsibilities shall continue to be the PHA's existing standards of maintenance to keep equipment in good working order, modified by the new equipment training and manuals provided by Ameresco. The PHA shall provide a level of effort and sufficient resources to properly meet these responsibilities, which might include using internal personnel, and/or contracting with Ameresco or other subcontractors to provide certain preventative maintenance and repair services. Notwithstanding these PHA responsibilities, Ameresco shall notify the PHA of any unanticipated increases in electricity or fuel consumption greater than ten percent (10%) within thirty (30) days of receipt of monthly utility consumption data from PHA. Upon notification of said unanticipated increase, PHA shall be responsible for investigating and remedying any routine maintenance problem with respect to any ECMs. PHA shall be responsible to remedy all maintenance or other identified

problems with equipment that is not specified by Ameresco but which impacts the ECM operation or energy usage. In the event that PHA cannot remedy a reported problem to its reasonable satisfaction within ten (10) business days, PHA is obliged to report its efforts to Ameresco and the Parties will determine a reasonable timeframe to correct the problem and/or request Ameresco to take action at the hourly rates identified in Appendix E-l to ensure that the equipment is performing sufficiently to produce the required savings hereunder.

B. Alterations & Equipment Replacements:

PHA shall notify Ameresco prior to commencing any Material alteration to the structure, fixtures, equipment, or use of any facility at the Developments. To the extent possible, any replacement equipment or fixtures installed will be at least as energy-efficient as the equipment or fixtures present on the Final Acceptance Date. Should such alterations increase or decrease the actual energy savings achieved at the Development, Ameresco shall determine, in consultation with PHA, an appropriate adjustment to the Monitoring and Verification of Savings Methodology included in Appendix G and, if justified, to the Baseline included within Appendix D.

C. Security:

Ameresco shall secure, and/or cause its Construction Subcontractors to secure, all materials and equipment to be installed on the Developments during construction. Ameresco and/or its Construction Subcontractors shall carry appropriate amounts of liability and property insurance as may be required to protect the materials and equipment prior to installation and acceptance by the PHA, consistent with the HUD General Conditions pertaining to Construction Subcontracts (HUD Form 5370) or PHA's insurance requirements, whichever is more stringent. PHA shall have no liability for any casualty or loss for materials or equipment stored by Ameresco or its Subcontractors, even if the materials or equipment are stored in a location designated, owned, or operated by the PHA. No such materials and equipment will be stored on-site unless prior approval from PHA is obtained (which approval shall not be unreasonably withheld or delayed), and Ameresco and/or its Construction Subcontractors are able to secure the locations designated for such storage. PHA will provide reasonably convenient areas within the Developments for Ameresco and its Construction Subcontractors to mobilize.

D. Effect on Energy Savings:

Should Ameresco document, in its annual or other site inspection, PHA's failure to operate, maintain or secure the equipment properly, or failure to inform Ameresco of a Material Change to the Developments, as defined in Section (9), and should such failure or Material Change reduce the level of actual Energy Savings by the Material Change amount set forth in Appendix G Monitoring and Verification of Savings Methodology or more, Ameresco shall determine, in consultation with PHA, an appropriate adjustment to the Monitoring and Verification of Savings Methodology included in Appendix G, and the Baseline contained within Appendix D, if appropriate, and shall work with PHA to cause any such failure to be corrected and to improve actual Energy Savings to the extent possible. The terms of Section (9) G. Adjustments on Account of Material Changes shall apply to any such Material Change. Adjustments based upon Material Changes may be made retroactively where appropriate.

(12) SUMMARY OF COMPENSATION

A. The Total Contract Costs during Phases I and II:

Ameresco shall produce for PHA in advance of the onset of services under this Agreement a schedule of values itemizing all costs included in the Total Contract Cost, which schedule of values shall be subject to review-by PHA. Ameresco shall make revisions to the schedule of values as reasonably requested by PHA and shall resubmit same for PHA's review and approval. PHA shall make progress payments to Ameresco against percent of work complete using proceeds from Construction Financing or Supplemental Construction Funding as applicable. Phases I and II will be billed monthly by Ameresco on a percent complete basis. PHA will hold ten percent (10%) retainage and, consistent with the HUD General Conditions and state law, may reduce the amount withheld as measures are installed and accepted.

Upon submission by PHA of a Notice of Substantial Completion in substantially the form of Appendix F -1 hereto with respect to each Development and commissioning of the ECMs installed hereunder, and the completion by Ameresco and/or its Construction Subcontractors of any outstanding Punch List items, PHA shall make a Final Payment, inclusive of any remaining retainage held with respect to that Development (or submit a Requisition or otherwise arrange for payment to be made to Ameresco from the Construction Funds) with respect to that Development. Payments shall be due within thirty (30) days of PHA receipt of each invoice submitted by Ameresco. If payment is not made within that period, payments shall be subject to the late charge provided for below.

B. The Fixed Annual Services Fee during Phase III:

The Fixed Annual Services Fee due Ameresco will be payable against those Services provided in Phase III and will represent a fixed annual service fee outlined in Appendix E-l. The total payment to Ameresco over the course of this Agreement, subject to written amendment by mutual agreement, shall not exceed the annual amounts identified in Appendix E-l unless agreed by the Parties. Such payments will be invoiced periodically throughout the annual service period as services are rendered, up to the total annual service fee set forth in Appendix E-l.

C. Payments in the Event of Certain Early Terminations:

Should the Conservation Project be terminated for any reason during Phases I or II, including, without limitation, any failure to agree on revisions to the Conservation Project as described in Section (17) A, Termination for Failure to Agree on Revisions, but not including Ameresco's Material Default in its obligation to perform in a timely and satisfactory manner, as defined in Section 17. Termination for Material Default, PHA shall be liable to Ameresco for all expenses incurred to the point of termination in accordance with this Section. PHA's payment of the Fees to Ameresco shall be limited to the applicable percentage of completion Ameresco has worked (including hours worked by Ameresco, its Construction Subcontractors and all those working on the Conservation Project on behalf of Ameresco), as of the date Ameresco receives or issues written notice of termination, valued at Ameresco's billing rates per employee set forth in Appendix E-l, or at percentage of work completed as of the point of termination for applicable Construction Subcontracts, exclusive of claims for "lost" overhead and profit. In the event of termination, PHA's total payment to Ameresco shall not exceed the amounts indicated in Appendix E-1, as may be revised by agreement of both parties.

D. Fees for Additional Services:

At any time during the Term of this Agreement, PHA may request that Ameresco perform services in addition to those described herein. Any such additional services which Ameresco agrees to-perform shall be evidenced by a written change order or addendum mutually agreed-upon by PHA and Ameresco, and shall be paid for by PHA at Ameresco's and/or its Construction Subcontractor's billing rates for each employee set forth in Appendix E-l. PHA shall also pay Ameresco for any reimbursable expenses incurred by Ameresco in conjunction with such additional services.

E. Prompt Payment:

The PHA shall pay to Ameresco the requested amount within thirty (30) days from the date the PHA receives a proper invoice from Ameresco. The term "proper invoice" shall mean an invoice which conforms to the present requirements of the PHA as outlined above, and any rules promulgated from time to time by administrative order of the PHA. A proper invoice shall include a statement by Ameresco waiving claims for extra direct and indirect costs or time associated with work preceding the date of the invoice, or a statement in sufficient detail containing all rights reserved for work already performed. All present requirements or future rules pertaining to the execution of a proper invoice must be made available to Ameresco in a timely manner. Ameresco shall make payments to all vendors included in each respective draw within five (5) business days of receipt of funds from the PHA.

In any case in which an improper invoice is submitted by Ameresco, the PHA shall, within ten (10) calendar days after the improper invoice is received by it, notify Ameresco that the invoice is improper and indicate what corrective action on the part of Ameresco is needed to make the invoice proper. If Ameresco completes corrective action within two (2) business days from notification by the PHA, the thirty (30) day period in this subsection (E) shall continue to be measured from the date of the initial invoice submission. If Ameresco does not complete corrective action within two (2) business days from notification by the PHA, the thirty (30) day period referenced in this subsection (E) shall be extended by the number of days beyond two (2) that it takes Ameresco to complete corrective action. In the event a dispute occurs between Ameresco and the PHA concerning payment of an invoice, such disagreement shall be finally determined as provided in this section. Proceedings to resolve the dispute shall be commenced not later than thirty (30) days after the date on which the proper invoice was received by the PHA, and shall be concluded by final written decision of the PHA's Mayor or designee, not later than forty five (45) days after the date on which the proper invoice was received by the PHA. The proceedings shall be recorded or transcribed, at the expense of the PHA, and shall be conducted on an informal basis, with hearsay evidence being admissible. If the dispute is resolved in favor of the PHA, interest charges shall begin to accrue on the sum contained in the Mayor's, or designee's decision, fifteen (15) days after the Mayor or designee's final decision. If the dispute is resolved in favor of Ameresco, then interest shall begin to accrue as of the original date the payment became due. During the pendency of any dispute concerning payment of an invoice, Ameresco shall receive prompt payment of that portion of an alleged improper invoice that is not subject to objection by the PHA (i.e., payment within thirty (30) days as described in this subsection (E)) by resubmitting a proper invoice excluding the disputed element. Upon resolution

of the dispute, the disputed element, reflecting any required changes therein, will be submitted at the earliest draw date following resolution of the dispute.

In the event Ameresco submits a proper invoice and if the PHA fails to make payment of any claim or any portion thereof within the periods and according to the procedures provided in this Agreement, Ameresco may, upon thirty (30) days' written notice to the PHA, suspend performance of services under this Agreement. Unless payment in full is received by Ameresco within thirty (30) days of the date of the notice, the suspension shall take effect without further notice. In the event of a suspension of services, Ameresco shall have no liability to the PHA for delay or damage caused to the PHA because of such suspension of services. Before resuming services, Ameresco shall be paid all sums due prior to suspension and any expenses incurred in the interruption and resumption of Ameresco's services, including remobilization costs of Ameresco 's subcontractors and costs incurred to satisfy related claims or disputes, and the Budget shall be increased to include such expenses and costs as well as such costs as may reasonably be required to accelerate remaining elements of the Services in order to preserve the schedule in effect prior to the suspension of services.

(13) PHA PROPERTY AND ACCESS TO PROJECT RECORDS

PHA shall not, by virtue of this Agreement or material or equipment installed under this Agreement, acquire any interest in any formulas, patterns, devices, copyrights, patents, or other intellectual or proprietary rights, or similar items of property which are or may be used in connection with the ECMs installed under this Agreement.

Ameresco shall maintain records under this Agreement on a generally-recognized accounting basis, and calculations shall be kept on file in legible form and retained for at least three years after close-out.

(14) INDEMNIFICATION AND LIMITATION OF LIABILITY

Ameresco shall indemnify and hold harmless the PHA and its officers, employees, agents and instrumentalities from any and all liability, losses or damages, including attorneys' fees and costs of defense, which the PHA or its officers, employees, agents or instrumentalities may incur except to the extent caused solely by or sustained solely as a result of the negligence of PHA, as a result of claims, demands, suits, causes of actions or proceedings of any kind or nature arising out of, relating to or resulting from the performance of this Agreement by Ameresco or its employees, agents, servants, partners principals or Ameresco's subcontractors. Ameresco shall pay all claims and losses in connection therewith and shall investigate and defend all claims, suits or actions of any kind or nature in the name of the PHA, where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorney's fees which may issue thereon. Ameresco expressly understands and agrees that any insurance protection required by this Agreement or otherwise provided by Ameresco shall in no way limit the responsibility to indemnify, keep and save harmless and defend the PHA or its officers, employees, agents and instrumentalities as herein provided. The obligations of Ameresco under this provision shall survive any expiration or termination of this Agreement and shall not be limited by any enumeration herein of required insurance coverage.

The PHA shall indemnify and hold harmless Ameresco and its officers, employees, agents and instrumentalities from any and all liability, losses or damages, including attorneys' fees and costs of defense, which Ameresco or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits, causes of actions or proceedings of any kind or nature arising out of, relating to or resulting solely from the negligent performance under this Agreement by the PHA or its employees, agents, servants, partners principals or the PHA's subcontractors. The PHA shall pay all claims and losses in connection therewith and shall investigate and defend all claims, suits or actions of any kind or nature in the name of Ameresco, arising from such negligent actions where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorney's fees which may issue thereon. Notwithstanding the foregoing The Parties hereto acknowledge that the PHA is a self-insured governmental entity subject to the limitations of Section 768.28, Florida Statutes. The PHA shall maintain a fiscally sound and prudent risk management program with regard to their obligations under this Agreement in accordance with the provisions of Section 768.28, Florida Statutes. The obligations of the PHA under this provision shall survive any expiration or termination of this Agreement, subject to the limitations set forth in Section 768.28, Florida Statutes.

Notwithstanding the foregoing, the Parties, their directors, officers, agents and employees shall not be liable for any claims for incidental, indirect, consequential, or special damages, including, but not limited to, damages for loss of anticipated profits, except as those profits are derived from payment or other compensation due to performance hereunder, loss of use of revenue, and losses by reason of cost of capital, connected with, resulting from, or arising out of this Agreement or any performance or lack of performance under this Agreement

(15) COMPLIANCE WITH APPLICABLE LAW AND REGULATIONS, INCLUDING PHA POLICY COMPLIANCE

Ameresco shall comply with and obtain, at its expense, all licenses and permits required by Federal, state and local laws in connection with the installation of the ECMs. All work undertaken for the Conservation Program shall be performed by Ameresco and its consultants, contractors, subcontractors and any other suppliers, employees, third parties or agents under contract with Ameresco, in accordance with all applicable Federal, State, and local laws and regulations, including but not limited to those involving zoning, building codes, and environmental conditions. To the extent that Ameresco agrees to perform operations and/or maintenance of specified ECMs or other equipment, it shall comply with and obtain, at its expense, all licenses and permits which may be required by Federal, state and local laws in connection with the operation and/or maintenance of such specified ECMs. PHA will cooperate with Ameresco's efforts to obtain the foregoing. In the event that Ameresco cannot procure any such license or permit in light of a requirement that PHA is required to do so, PHA will procure the same.

Ameresco shall comply, and shall require that all of its Construction Subcontractors comply, with the applicable provisions of HUD Form 51915-A, "Contract Provisions Required by Federal Law or Owner Contract with the U.S. Department of Housing and Urban Development", including, but not limited to, the following:

A. Executive Order 11246 of September 24, 1965 entitled "Equal Employment Opportunity," as amended by Executive Order 11375 of October 13, 1967 and as supplemented in Department of Labor regulations (41 CFR Chapter 60);

B. Copeland "Anti-Kickback" Act (18 U.S.C. 874) as supplemented in Department of Labor regulations (29 CFR part 3);

C. Davis-Bacon Act (40 U.S.C. 276a to 276a-7) as supplemented by Department of Labor regulations (29 CFR part 5);

D. Sections 103 and 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-330) as supplemented by Department of Labor regulations (29 CFR part 5); and

E. All applicable standards, orders, or requirements of the Clean Air Act (42 U.S.C. Section 7602) (formerly 42 U.S.C. 1857(h)), the Clean Water Act, as amended (33 U.S.C. 1368), Executive Order 11738 and all implementing regulations promulgated by the Environmental Protection Agency (40 CFR part 15); and all mandatory standards and policies relating to energy efficiency that are contained in applicable state conservation codes (if any) issued in accordance with the Energy Policy and Conservation Act (Pub. L. 94-163), and any other applicable laws or amendments thereto.

F. The Drug-Free Workplace Act.

G. Value Engineering clauses in HUD Form 51915-A.

H. Ameresco and all of its Construction Subcontractors shall be properly licensed to do business in the State of Florida and shall maintain compliance with requirements under the State of Florida, including the provision of signed Non-Collusive Affidavits. Ameresco and its Construction Subcontractors shall be responsible for payment of all required taxes and fees required by State and local law with respect to this Agreement.

I. Ameresco and its Construction Subcontractors shall retain all required records for six (6) years following the date of expiration and all other pending matters are closed and shall provide access to PHA at no charge during that period. (All applicable requirements for record keeping, record retention, and access to records set forth in 24 CFR parts 85.36(i) (10) and (11).)

J. Ameresco and its Design and Construction Subcontractors shall maintain, throughout the term of the Agreement, insurance for this Project issued by companies authorized to do business under the laws of the State of Florida, as itemized in this paragraph15 J as follows: 1) Commercial General Liability naming Miami-Dade County (PHA) as an additional insured in the amount of one million dollars ($1,000,000) combined single limit per occurrence for bodily injury and property damage in compliance with the statutes of the State of Florida with an "A-" rated company. Such coverage will indemnify PHA against all claims and demands for injury or death of persons or damage to property which may be claimed to have occurred upon, or as a result of, the negligence of Ameresco and/or its subcontractors' employees, agents, licensees, or invitees, in the performance of this Agreement; Miami-Dade County must be shown as an additional insured with respect to this coverage. 2) for engineering, Professional Liability (Errors and Omissions) Insurance in the amount of one million dollars ($1,000,000) per claim with an "A-

"rated company recognized in the State of Florida; c) applicable state levels of Worker's Compensation Insurance for all employees as required by Florida Statute 440; and d) Automobile Liability Insurance covering all owned, non-owned, and hired vehicles used in connection with the Conservation Project with a combined single limit per occurrence for bodily injury and property damage of not less than one million dollars ($1,000,000);5) On those policies where the PHA is named as an additional insured, the Certificate holder must read, Miami-Dade County 111 NW 1st Street Suite 2340, Miami, FL 33128.

K. Ameresco shall comply with Federal Cost principles as defined in 24 C.F.R. § 85.22 for direct costs, indirect costs, and profit. Ameresco and its Subcontractors shall comply with HUD Form 5369-C, Certifications and Representations of Offerors.

L. Mandatory Contract Clauses set forth for Construction/Development Contracts greater than $100,000, including the following:

i. Applicable Davis-Bacon wage decision, as of the Execution Date, is attached hereto and incorporated into this Agreement.

ii. HUD Form 5370, General Conditions of the Contract for Construction with the OMB expiration date of 01/31/2017, is attached hereto and incorporated into this Agreement.

iii. Limited Denial of Participation, Debarment, and Suspension is incorporated into this Agreement. A list of persons and contractors for which LDPs have been issued may be found on the Internet at: www.hud.gov/enforce. All persons or contractors that have been suspended or debarred from Federal programs will be found on the GSA website on the Internet at: http://epls.arnet.gov. In addition to checking on contractors at contract award, prime contractors are responsible for providing certification that this check was done when new subcontractors are awarded work.

M. Miami-Dade County Code, Chapter 11A, Article 3. All contractors and subcontractors performing work in connection with this Contract shall provide equal opportunity for employment without regard to race, religion, color, age, sex, national origin, sexual orientation, gender identity, gender expression, status as a victim of domestic violence, dating violence or stalking, familial status, disability or marital status. The aforesaid provision shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. Ameresco agrees to post in a conspicuous place available for employees and applicants for employment, such notices as may be required by the Miami-Dade Commission on Human Rights, or other authority having jurisdiction over the work setting forth the provisions of the nondiscrimination law.

N. "Conflicts of Interest" Section 2-11 of the County Code, and Ordinance 01-199.

O. Miami-Dade County Code Section 10-38 "Debarment".

P. Miami-Dade County Ordinance 99-5, codified at 11A-60 et. seq. of Miami-Dade Code pertaining to complying with the County's Domestic Leave Ordinance.

Q. Miami-Dade County Ordinance 99-152, prohibiting the presentation, maintenance, or prosecution of false or fraudulent claims against Miami-Dade County.

Ameresco shall hold all licenses and/or certifications, obtain and pay for all permits and/or inspections, and comply with all laws, ordinances, regulations and building code requirements applicable to the work required herein. Damages, penalties, and/or fines imposed on the County with respect to the Services or Ameresco for its failure to obtain and maintain required licenses, certifications, permits and/or inspections shall be borne by Ameresco. The PHA senior representative shall verify the certification(s), license(s), permit(s), etc. for Ameresco prior to authorizing work and as needed.

Notwithstanding any other provision of this Agreement, Ameresco shall not be required pursuant to this Agreement to take any action or abstain from taking any action if such action or abstention would, in the good faith determination of Ameresco, constitute a violation of any law or regulation to which Ameresco is subject, including

but not limited to laws and regulations requiring that Ameresco conduct its operations in a safe and sound manner.

(16) NONDISCRIMINATION

During the performance of this Agreement, Ameresco agrees to not discriminate against any employee or applicant for employment because of race, religion, color, sex, handicap, marital status, age, national origin, familial status, status as a victim of domestic violence, dating violence or stalking, gender identity or gender expression, or sexual orientation, and will take affirmative action to ensure that they are afforded equal employment opportunities without discrimination. Such action shall be taken with reference to, but not limited to: recruitment, employment, termination, rates of pay or other forms of compensation, and selection for training or retraining, including apprenticeship and on the job training.

By entering into this Agreement, Ameresco attests that it is not in violation of the Americans with Disabilities Act of 1990 (and related Acts) or Miami-Dade County Resolution No. R-385-95. If Ameresco or any owner, subsidiary or other firm affiliated with or related to Ameresco is found by the responsible enforcement agency or the County to be in violation of the Act or the Resolution, such violation shall render this Agreement void. This Agreement shall be void if Ameresco submits a false affidavit pursuant to Resolution No. R-385-95 or Ameresco violates the Act or the Resolution during the Term of this Agreement, even if Ameresco was not in violation at the time it submitted its affidavit.

(17) TERMINATION AND MATERIAL DEFAULT

A. Termination for Failure to Agree on Revisions:

From time to time during Phases I and II of the Conservation Project, including, without limitation, as provided for in Section (4) Design and Construction Funding and 4(D) Supplemental Construction Funding and Section 4(B) Revised Scope of Work, above, Ameresco and PHA are required by this Agreement to attempt to agree on revisions to the Conservation Project. If the Parties concur at any such time in writing that they are unable to agree, this Agreement shall then terminate without fault on either Party in accordance with Section (17)(D). Payments in the Event of Certain Early Terminations, above, and Ameresco shall then stop work and proceed to minimize costs as if a notice of termination for convenience had been received by it pursuant to Section (17)(D), below.

B. Termination for Material Default:

During the Term, except as otherwise specifically set forth herein, this Agreement may be terminated only in the event of a Material Default by either Party. A Material Default shall be defined as a material breach of this Agreement by either Party which remains uncured for more than thirty (30) days after notice from the non-defaulting Party to the defaulting Party; provided, however, if such breach cannot be cured within thirty (30) days, a Material Default shall not exist until the passage without cure of such longer period required to effect such cure as long as the defaulting Party commences a cure within the thirty (30) day period and thereafter proceeds diligently to complete such cure. In the event of such breach any amounts owed prior to such breach shall then be paid.

Should PHA terminate the Conservation Project for Ameresco's Material Default in its obligation to perform in a timely and satisfactory manner, as defined in this Section (17)B. Termination for Material Default, Ameresco's liability to PHA shall not exceed the sum of the Total Contract Cost as defined in Appendix E-1

C. Termination and Suspension For Cause, or Convenience

1) Either Party may terminate this Agreement if an individual or corporation or other entity attempts to meet its contractual obligation with the PHA or the PHA attempts to meet its contractual obligation with the individual or corporation or other entity through fraud, misrepresentation or material misstatement as set forth in Sections 14, 18 or 28 herein.

2) To the extent that such individual or corporation or other entity has been debarred or convicted of a felony, the PHA may, as a further sanction, terminate or cancel any other contract(s) that such individual or corporation or other entity has with the PHA as required under law. In such instances, such individual, corporation or other entity shall be responsible for the reasonable and necessary direct costs of such termination or cancellation, including reasonable attorney's fees.

3) The foregoing notwithstanding, any individual, corporation or other entity which attempts to meet its contractual obligations with the PHA through fraud, misrepresentation or material misstatement may be debarred from PHA contracting for up to five (5) years in accordance with the PHA debarment procedures. Ameresco may be subject to debarment for failure to perform and all other reasons set forth in Section 10-38 of the County Code.

4) In addition to cancellation termination or suspension as otherwise provided in this Agreement, the PHA may at any time, in its sole discretion, with or without cause, terminate this Agreement at its convenience, upon the giving of ninety (90) days written notice to Ameresco.

5) In the event that the PHA exercises its right to terminate this Agreement, Ameresco shall, upon receipt of such notice, unless otherwise directed by the PHA :

i. stop work on the date specified in the notice ("the Effective Termination Date");

ii. take such action as may be necessary for the protection and preservation of the PHA's materials and property;

iii. cancel orders;

iv. assign to the PHA and deliver to any location designated by the PHA any non-cancelable orders for Deliverables that are not capable of use except in the performance of this Agreement and which have been specifically ordered for the sole purpose of this Agreement but not yet incorporated into the Services;

v. take no further actions which will increase the amounts payable by the PHA beyond the Total Contract Cost under this Agreement;

vi. Notwithstanding the foregoing, this Agreement may be terminated by PHA for "convenience" in accordance with applicable HUD requirements and the requirements of this Agreement. Any such termination shall be effected by the delivery to Ameresco of a written notice of termination specifying the extent to which the performance of the work under this Agreement is terminated, and the date upon which such termination becomes effective. Ameresco shall comply with such notice and take action to terminate work as and to the extent set forth in such notice, including exercising its rights or otherwise taking action to terminate any Construction Subcontracts which may then be in effect and to minimize, to the extent possible, the costs incurred on account of such latter terminations.

6) In the event that the PHA exercises its right to terminate this Agreement, Ameresco will be compensated as stated in the payment Articles herein for the:

i. portion of the Services completed in accordance with the Agreement up to the Effective Termination Date; and

ii. non-cancelable Services and Deliverables that are not capable of use except in the performance of this Agreement and has been specifically developed for the sole purpose of this Agreement. In the event of a notice of Termination for Convenience by PHA, PHA shall be liable to Ameresco in accordance with Section 12(C) of this Agreement.

7) Any compensation payable under this subsection 17 (C) is subject to audit as set forth in section 26.

D. Partial Termination:

During the Operational Phase, to the extent that any Event of Default by PHA (including but not limited to failure by PHA to perform maintenance required to be performed by PHA hereunder), a fire, flood, explosion, or other casualties, or destructive act or condemnation affecting only part of the Developments or ECMs renders any significant part of the Developments or ECMs substantially unusable and, in the case of a casualty, the affected portion of the Developments or ECMs is not reconstructed or restored by PHA within one hundred and fifty (150) days from the date of such casualty, either Party may terminate this Agreement with respect to such affected ECMs and the Guarantee

that is associated with such affected ECM(s) by written notice to the other, in which case all obligations of Ameresco with respect to the affected portion of the Developments shall cease and PHA shall pay to Ameresco an amount equal to all amounts then due and owing, exclusive of "lost" overhead and profit, with respect to this Agreement. Upon the payment of all amounts provided for in Section (12)(C), all obligations of PHA under this Agreement with respect to such portions of the affected Developments or ECMs shall cease with respect to the period following such payment.

E. Termination for Causes Beyond the Control of the Parties:

In addition to the foregoing provisions of this Section (17), to the extent that any fire, flood, explosion, other casualties, or destructive act or condemnation affecting the Developments or ECMs renders the Developments or ECMs substantially unusable and, in the case of a casualty, the Developments or ECMs are not reconstructed or restored by PHA within one hundred and fifty (150) days from the date of such casualty, either Party may terminate this Agreement and the Guarantee by a written notice to the other, in which case PHA will pay to Ameresco the amounts provided in Section (12)(C), applicable through the point of such termination, as approved by the PHA. Upon such payment and such other payments which may be required by this Section (16) F, all payment obligations of PHA (and Ameresco, if any) with respect to the period following such payment shall cease.

(18) SUBCONTRACTUAL RELATIONS

If Ameresco will cause any part of this Agreement to be performed by a Subcontractor, the Subcontractor shall assume toward PHA all obligations, rights, duties, and redress that Ameresco assumes toward PHA and others to the extent required under the terms of this Agreement between Ameresco and PHA hereafter the Prime Agreement ("Prime Agreement").

Except for those subcontractors who have been preapproved as a part of Ameresco's award as shown in the Scope of Work attached hereto as Appendix B, Ameresco, before executing any other subcontracts for any portion of the Services, will state in writing to the PHA the name of the proposed Subcontractor, the portion of the Services which the Subcontractor is to perform, the place of business of such Subcontractor, and such other information as the PHA may require. The PHA will have the right to require Ameresco not to award any subcontract to a person, firm or corporation disapproved by the PHA. Any response from PHA shall be provided to Ameresco in three (3) business days.

Before entering into any subcontract hereunder, Ameresco will inform the Subcontractor fully and completely of all provisions and requirements of this Agreement relating either directly or indirectly to the Services to be performed. Such Services performed by such Subcontractor will strictly comply with the requirements of this Agreement.

In order to qualify as a Subcontractor satisfactory to the PHA, in addition to the other requirements herein provided, the Subcontractor must be prepared to prove to the reasonable satisfaction of the PHA that it has the necessary facilities, skill and experience, and financial resources to perform the Services in a satisfactory manner. To be considered skilled and experienced, the Subcontractor must show to the reasonable satisfaction of the PHA that it has satisfactorily performed Services of the same general type which are required to be performed under this Agreement.

The PHA shall have the right to withdraw its consent to a subcontract if it appears to the PHA that the subcontract will delay, prevent, or otherwise impair the performance of Ameresco's obligations under this Agreement. Ameresco shall have the opportunity to meet with the PHA prior to such time in order to discuss the matter and provide whatever information and materials may be required in order to reassure the PHA regarding the selection. Subcontractors are required to protect the confidentiality of the PHA's and the PHA's proprietary and confidential information. PHA agrees to keep and protect confidential, whatever information and materials Ameresco and its Subcontractors provide that is proprietary and or confidential. Ameresco shall furnish to the PHA copies of all executed subcontracts between Ameresco and Subcontractors and materials suppliers hereunder. Within each such subcontract, there shall be a clause for the benefit of the PHA that permits the PHA, in the event Ameresco breaches this Agreement subsequent to the applicable cure period as set forth in Section (17) B., and subject to the provisions of the Performance and Payment bonds as required to be provided by Ameresco to the PHA, to request completion by the Subcontractor of its performance obligations under the subcontract, and which allows, subject to the requirements of the surety company providing the bonds, for the PHA or surety company to pay the Subcontractor directly for completion of such performance obligations. Notwithstanding, the foregoing shall neither convey nor

imply any obligation or liability on the part of the PHA to any Subcontractor hereunder except as described above.

(19) INSPECTOR GENERAL REVIEWS

Independent Private Sector Inspector General Reviews

Pursuant to Miami-Dade County Administrative Order 3-20, the PHA has the right but not the obligation to retain the services of an independent private sector inspector general (hereinafter IPSIG) who may be engaged to audit, investigate, monitor, oversee, inspect and review the operations, activities and performance of the Contractor and PHA in connection with this Agreement. The scope of services performed by an IPSIG may include, but are not limited to, monitoring and investigating compliance with contract specifications; project costs; and investigating and preventing corruption and fraud.

Upon thirty (30) days' written notice from the PHA, Ameresco shall make available to the IPSIG retained by the PHA, all requested records and documentation pertaining to this Agreement for inspection and reproduction. The PHA shall be responsible for the payment of these IPSIG services, and under no circumstance shall Ameresco's prices and any changes thereto approved by the PHA, be inclusive of any charges relating to these IPSIG services. The terms of this provision apply to Ameresco, its officers, agents, employees, subcontractors and assignees.

Nothing contained in this provision shall impair any independent right of the PHA to conduct an audit or investigate the operations, activities and performance of Ameresco in connection with this Agreement. The terms of this Section (19) shall not impose any liability on the PHA by Ameresco or any third party.

Miami-Dade County Inspector General Review

According to Section 2-1076 of the Code of Miami-Dade County, Miami-Dade County has established the Office of the Inspector General which may, on a random basis, perform audits on all County contracts, throughout the duration of said contracts, except as otherwise provided below. The cost of the audit for this Contract shall be one quarter (1/4) of one (1) percent of the total contract amount which cost shall be included in the total contract amount. The audit cost will be deducted by the PHA from progress payments to Ameresco. The audit cost shall also be included in all change orders and all contract renewals and extensions.

Exception: The above application of one quarter (1/4) of one percent fee assessment shall not apply to the following contracts: (a) IPSIG contracts; (b) contracts for legal services; (c) contracts for financial advisory services; (d) auditing contracts; (e) facility rentals and lease agreements; (f) concessions and other rental agreements; (g) insurance contracts; (e) revenue-generating contracts; (f) contracts where an IPSIG is assigned at the time the contract is approved by the Commission; (g) professional service agreements under $1,000; (h) management agreements; (i) small purchase orders as defined in Miami-Dade County Administrative Order 3-38; (j) federal, state and local government-funded grants; and (k) interlocal agreements. **Notwithstanding the foregoing, the Miami-Dade County Board of County Commissioners may authorize the inclusion of the fee assessment of one quarter (1/4) of one percent in any exempted contract at the time of award.**

The Parties have confirmed that this Agreement is not subject to such assessment.

Nothing contained above shall in any way limit the powers of the Inspector General to perform audits on all County contracts including, but not limited to, those contracts specifically exempted above. The Miami-Dade County Inspector General is authorized and empowered to review past, present and proposed County and Public Health Trust contracts, transactions, accounts, records and programs. In addition, the Inspector General has the power to subpoena witnesses, administer oaths, require the production of records and monitor existing projects and programs. Monitoring of an existing project or program may include a report concerning whether the project is on time, within budget and in conformance with plans, specifications and applicable law. The Inspector General is empowered to analyze the necessity of and reasonableness of proposed change orders to the Agreement. The Inspector General is empowered to retain the services of independent private sector inspectors' general (IPSIG) to audit, investigate, monitor, oversee, inspect and review operations, activities, performance and procurement process, including but not limited to project design, specifications, proposal submittals, activities of Ameresco, its officers, agents and employees, lobbyists, PHA staff and elected officials to ensure compliance with contract specifications and to detect

fraud and corruption.

Upon written notice to Ameresco from the Inspector General or IPSIG retained by the Inspector General, Ameresco shall make all requested records and documents available to the Inspector General or IPSIG for inspection and copying. The Inspector General and IPSIG shall have the right to inspect and copy all documents and records in Ameresco's possession, custody or control which, in the Inspector General's or IPSIG's sole judgment, pertain to performance of the contract, including, but not limited to original estimate files, change order estimate files, worksheets, proposals and agreements forms, successful and unsuccessful subcontractors and suppliers, all project-related correspondence, memoranda, instructions, financial documents, construction documents, proposal and contract documents, back-charge documents, all documents and records which involve cash, trade or volume discounts, insurance proceeds, rebates, or dividends received, payroll and personnel records, and supporting documentation for the aforesaid documents and records.

(20) PATENT AND COPYRIGHT INDEMNIFICATION

Ameresco shall not infringe on any copyrights, trademarks, service marks, trade secrets, patent rights, other intellectual property rights or any other third party proprietary rights in the performance of the Services.

Ameresco warrants that all Services furnished hereunder, including but not limited to: equipment, programs, documentation, software, analyses, applications, methods, ways, processes, and the like, shall not infringe upon or violate any U.S. copyrights, trademarks, service marks, trade secrets, patent rights, other intellectual property rights or any other third party proprietary rights.

Subject to the PHA's payment obligations, Ameresco shall be liable and responsible for any and all claims made against the PHA for infringement of patents, copyrights, service marks, trade secrets or any other third party proprietary rights, by the use or supplying of any programs, documentation, software, analyses, applications, methods, ways, processes, and the like, in the course of performance or completion of, or in any way connected with, the Services provided under this Agreement.

In the event any Service or anything provided to the PHA hereunder, or portion thereof is held to constitute an infringement and its use is or may be enjoined, Ameresco shall, at the PHA's option, have the obligation to: (i) modify, or require that the applicable subcontractor or supplier modify, the alleged infringing item(s) at its own expense, without impairing in any respect the functionality or performance of the item(s), or (ii) procure for the PHA, at Ameresco's expense, the rights provided under this Agreement to use the item(s).

Ameresco shall be primarily responsible for determining and informing the PHA whether a prospective supplier or subcontractor is a party to any litigation involving patent or copyright infringement, service mark, trademark, violation, or proprietary rights claims or is subject to any injunction which may prohibit it from providing any Service hereunder. Ameresco shall enter into agreements with all suppliers and subcontractors at Ameresco's own risk. PHA will be required to sign a license agreement with provisions limiting use of the software to the equipment provided under these specifications, limiting copying, preserving confidentiality, and prohibiting transfer to a third party.

(21) CONFIDENTIALITY

Ameresco shall advise each of its employees, agents, subcontractors and suppliers who may be exposed to such Confidential Information ("Confidential Information") of their obligation to keep such information confidential and shall promptly advise the PHA in writing if it learns of any unauthorized use or disclosure of the Confidential Information by any of its employees or agents, or subcontractor's or supplier's employees, present or former. In addition, Ameresco agrees to cooperate with and provide such assistance as may be reasonably necessary to ensure the confidentiality of the Confidential Information.

It is understood and agreed that in the event of a breach of this Section (21) damages may not be an adequate remedy and the PHA shall be entitled to seek injunctive relief to restrain any such breach or threatened breach. .

A certificate evidencing compliance with this provision signed by an officer of Ameresco shall accompany such materials. This Section 20 shall survive termination of this Agreement.

(22) PROPRIETARY INFORMATION

As a political subdivision of the State of Florida, the PHA is subject to the stipulations of Florida's Public Records Law.

Ameresco acknowledges that all computer software in the PHA's possession may constitute or contain information or materials which the PHA has agreed to protect as proprietary information from disclosure or unauthorized use and may also constitute or contain information or materials which the PHA has developed at its own expense, the disclosure of which could harm the PHA's proprietary interest therein.

During the Term of this Agreement, except as may be permitted hereunder, Ameresco will not use directly or indirectly for itself or for others, or publish or disclose to any third party, or remove from the PHA's property, any computer programs, data compilations, or other software which the PHA has developed, has used or is using, is holding for use, (hereinafter "Computer Software"). Ameresco's contractors and their employees must also honor all third-party license agreements, except as authorized by the PHA and, if the Computer Software has been leased or purchased by the PHA, all hired third party license agreements to the extent made known to Ameresco and its subcontractors must also be honored by-Ameresco's contractors' employees. This includes mainframe, minis, telecommunications, personal computers and any and all information technology software.

Ameresco will report to the PHA any information discovered or which is disclosed to Ameresco which may relate to the improper use, publication, disclosure or removal from the PHA's property of any information technology software and hardware and will take such steps as are within Ameresco's authority to prevent improper use, disclosure or removal by its employees and or subcontractors.

(23) PROPRIETARY RIGHTS

Ameresco hereby acknowledges and agrees that the PHA retains all rights, title and interests in and to all materials, data, documentation and copies thereof furnished by the PHA to Ameresco hereunder including all copyright and other proprietary rights therein, which Ameresco as well as its employees, agents, subcontractors and suppliers may use only in connection with the performance of Services under this Agreement. Ameresco shall not, without the prior written consent of the PHA, use such documentation on any other project in which Ameresco or its employees, agents, subcontractors or suppliers are or may become engaged. Submission or distribution by Ameresco to meet official regulatory requirements or for other purposes in connection with the performance of Services under this Agreement shall not be construed as publication in derogation of the PHA's copyrights or other proprietary rights.

All rights, title and interest in and to certain inventions, ideas, designs and methods, specifications and other documentation related thereto developed by Ameresco and its subcontractors specifically for the PHA, hereinafter referred to as "Developed Works" shall become the property of the PHA upon the making of final payment to Ameresco or, in the event of termination under upon payment for all sums due to Ameresco as required thereunder.

Accordingly, neither Ameresco nor its employees, agents, subcontractors or suppliers shall have any proprietary interest in such Developed Works. The Developed Works may not be utilized, reproduced or distributed by or on behalf of Ameresco, or any employee, agent, subcontractor or supplier thereof, without the prior written consent of the PHA, except as required for Ameresco's performance hereunder.

Notwithstanding the paragraphs immediately preceding in this section 23, PHA acknowledges that in the course of its performance under this Agreement Ameresco may use pre-existing products, materials and methodologies proprietary to Ameresco ("Pre-existing Works"). To the extent Ameresco provides any Pre-existing Works hereunder, Ameresco hereby grants to PHA a nonexclusive, perpetual, irrevocable, paid-up license to prepare and have prepared derivative works of the Pre-Existing Works, and to use, have used, publish, execute, reproduce, transmit, display, perform, transfer, distribute, and sublicense the Pre-Existing Works and such derivative works, and to grant others the rights granted herein.

Ameresco and its subcontractors and suppliers hereunder shall retain all proprietary rights in and to all Licensed Software provided hereunder, that have not been customized to satisfy the performance criteria set forth in the Scope of Services. Notwithstanding the foregoing, Ameresco hereby grants, and shall require that its subcontractors and suppliers grant, if the PHA so desires, a perpetual, irrevocable and unrestricted right and license to use, duplicate,

disclose and/or permit any other person(s) or entity(ies) to use all such Licensed Software and the associated specifications, technical data and other Documentation for the operations of the PHA or entities controlling, controlled by, under common control with, or affiliated with the PHA, or organizations which may hereafter be formed by or become affiliated with the PHA. Such license specifically includes, but is not limited to, the right of the PHA to use and/or disclose, in whole or in part, the technical documentation and Licensed Software, including source code provided hereunder, subject to agreement with the nondisclosure and proprietary rights provisions set forth herein, to any person or entity outside the PHA for such person's or entity's use in furnishing any and/or all of the Services provided hereunder exclusively for the PHA or entities controlling, controlled by, under common control with, or affiliated with the PHA, or organizations which may hereafter be formed by or become affiliated with the PHA

(24) VENDOR REGISTRATION/CONFLICT OF INTEREST

(A) Vendor Registration

Ameresco shall be a registered vendor with Miami-Dade County Internal Services Department, Procurement Management Division, for the duration of this Agreement. In becoming a Registered Vendor with Miami-Dade County, Ameresco confirms its knowledge of and commitment to comply with the following:

1. ***Miami-Dade County Ownership Disclosure Affidavit***

   (Section 2-8.1 of the County Code)

2. ***Miami-Dade County Employment Disclosure Affidavit*** *(Section 2.8-1(d)(2) of the County Code)*

3. ***Miami-Dade Employment Drug-free Workplace Certification*** *(Section 2-8.1.2(b) of the County Code)*

4. ***Miami-Dade Disability and Nondiscrimination Affidavit*** *(Section 2-8.1.5* of the County Code)

   Miami-Dade County Debarment Disclosure Affidavit *(Section 10.38 of the County Code)*

5. ***Miami-Dade County Vendor Obligation to County Affidavit*** *(Section 2-8.1 of the County Code)*

6. ***Miami-Dade County Code of Business Ethics Affidavit***
   (Section 2-8.1(i) and 2-11(b)(1) of the County Code through (6) and (9) of the County Code and Section 2-11.1(c) of the County Code)

7. ***Miami-Dade County Family Leave Affidavit***

   (Article V of Chapter 11 of the County Code)

9. ***Miami-Dade County Living Wage Affidavit***

   (Section 2-8.9 of the County Code)

10. ***Miami-Dade County Domestic Leave and Reporting Affidavit***

    (Article 8, Section 11A-60 11A-67 of the County Code)

11. ***Subcontracting Practices***

    (Ordinance 97-35)

12. ***Subcontractor /Supplier Listing***

    (Section 2-8.8 of the County Code)

13. ***Environmentally Acceptable Packaging***

    (Resolution R-738-92)

14. ***W-9 and 8109 Forms***

    (as required by the Internal Revenue Service) *(Section 2-8.1..*

15. ***FEIN Number or Social Security Number***

    In order to establish a file, Ameresco's Federal Employer Identification Number (FEIN) must be provided. If no FEIN exists, the Social Security Number of the owner or individual must be provided. This number becomes Ameresco's "County Vendor Number". To comply with Section 119.071(5) of the Florida Statutes relating to the collection of an individual's Social Security Number, be aware that the County requests the Social Security Number for the following purposes:

    - Identification of individual account records
    - To make payments to individual/Ameresco for goods and services provided to Miami-Dade County
    - Tax reporting purposes
    - To provide a unique identifier in the vendor database that may be used for searching and sorting departmental records

16. ***Office of the Inspector General***

(Section 2-1076 of the County Code)

17. Small Business Enterprises

The County endeavors to obtain the participation of all small business enterprises pursuant to Sections 2-8.2, 2-8.2.3 and 2-8.2.4 of the County Code and Title 49 of the Code of Federal Regulations.

18. Antitrust Laws

By acceptance of any contract, Ameresco agrees to comply with all antitrust laws of the United States and the State of Florida.

(B) Conflict of Interest

Section 2-11.1(d) of Miami-Dade County Code requires that any PHA employee or any member of the employee's immediate family who has a controlling financial interest, direct or indirect, with Miami-Dade County or any person or agency acting for Miami-Dade County, competing or applying for a contract, must first request a conflict of interest opinion from Miami-Dade County's Ethics Commission prior to their or their immediate family member's entering into any contract or transacting any business through a firm, corporation, partnership or business entity in which the employee or any member of the employee's immediate family has a controlling financial interest, direct or indirect, with Miami-Dade County or any person or agency acting for Miami-Dade County. Any such contract or business engagement entered in violation of this subsection, as amended, shall be rendered voidable. For additional information, please contact the Ethics Commission hotline at (305) 579-2593.

(25) QUALITY ASSURANCE/QUALITY ASSURANCE RECORD KEEPING

Ameresco shall maintain, and shall require that its subcontractors and suppliers maintain, complete and accurate records to substantiate compliance with the requirements set forth in the Scope of Services. Ameresco and its subcontractors and suppliers, shall retain such records, and all other documents relevant to the Services furnished under this Agreement for a period of three (3) years from the expiration date of this Agreement and any extension thereof.

(26) AUDITS

The PHA, HUD, the Comptroller General of the United States, or any of their duly authorized representatives or governmental agencies, shall until the expiration of three (3) years after the expiration of this Agreement and any extension thereof, have access to and the right to examine and reproduce any of Ameresco's books, documents, papers and records and of its subcontractors and suppliers which apply to all matters of the PHA. Such records shall conform to Generally Accepted Accounting Principles ("GAAP") requirements, as applicable, and shall only address those transactions related to this Agreement.

Pursuant to Section 2-481 of the Code of Miami-Dade County, Ameresco shall provide access to the County Commission Auditor to all financial and performance related records, property, and equipment purchased in whole or in part with governmental funds.

(27) MIAMI-DADE COUNTY/PHA'S SOVEREIGNTY. It is expressly understood that, subject to the other provisions of this Agreement:

(A) Miami-Dade County/PHA retains all of its sovereign prerogatives and rights as a county under Florida laws and shall in no way be estopped from reasonably withholding or refusing to issue any approvals of applications for building, zoning, planning or development under present or future laws and regulations of whatever nature applicable to the planning, design, construction and development of the Developments or the operation thereof, or be liable for the same; and

(B) Except as set forth in the Schedules attached hereto, PHA shall not by virtue of this Agreement be obligated to grant Ameresco any additional approvals of applications for building, zoning, planning or development under present or future laws and ordinances of whatever nature applicable to the planning, design, construction, development and/or operation of the Developments.

(28) NO LIABILITY FOR EXERCISE OF POLICE POWERS. Subject to any contrary provision in this Agreement, or any PHA covenant or obligation that may be contained in this Agreement, PHA shall have no obligation, including but not limited to the following:

(A) To apply for or assist Ameresco in applying for any county, city or third party permit or needed approval; or

(B) To contest, defend against, or assist Ameresco in contesting or defending against any challenge of any nature;

and, except as otherwise set forth in this Agreement, this Agreement shall not bind the Miami-Dade County's

Board of Commissioners, the Regulatory and Economic Resources Department or any other county, city, federal or state department or authority, committee or agency to grant or leave in effect any zoning changes, variances, permits, waivers, contract amendments, or any other approvals that may be granted, withheld or revoked in the discretion of the PHA or any other applicable governmental agencies in the exercise of its police power; and, except as otherwise set forth in this Agreement, the PHA shall be released and held harmless, by Ameresco from and against any liability, responsibility, claims, consequential or other damages, or losses to Ameresco or to any third parties resulting from denial, withholding or revocation (in whole or in part) of any zoning or other changes, variances, permits, waivers, amendments, or approvals of any kind or nature whatsoever. Without limiting the foregoing, the parties recognize that the approval of any building permit and/or certificate of occupancy will require the PHA to exercise its quasi-judicial or police powers. Without limiting any other provision of this Agreement, the PHA shall have no obligation to approve, in whole or in part, any application for any type of permit, license, zoning or any other type of matter requiring government approval or waiver. The PHA's obligation to use reasonable good faith efforts in the permitting of the use of the PHA- owned property regarding the Developments shall not extend to any exercise of quasi-judicial or police powers, and shall be limited solely to ministerial actions, including the timely acceptance and processing of any requests or inquiries by Ameresco as authorized by this Agreement. Moreover, in no event shall a failure of the PHA to adopt any of Ameresco's requests or application for any type of permit, license, zoning or any other type of matter requiring government approval or waiver be construed a breach or default of this Agreement, unless such failure was unreasonable or untimely or in direct contravention to another provision of this Agreement.

(29) CONFLICT OF INTEREST

Ameresco represents to the best of its knowledge and belief, that:

(A) No officer, director, employee, agent, or other consultant of the PHA or a member of the immediate family or household of the aforesaid has directly or indirectly received or been promised any form of benefit, payment or compensation, whether tangible or intangible, in connection with the award of this Agreement.

(B) There are no undisclosed persons or entities interested with Ameresco in this Agreement. This Agreement is entered into by Ameresco without any connection with any other entity or person making a proposal for the same purpose, and without collusion, fraud or conflict of interest. No elected or appointed officer or official, director, employee, agent or other consultant of the PHA, or of the State of Florida (including elected and appointed members of the legislative and executive branches of government), or a member of the immediate family or household of any of the aforesaid:

i) is interested on behalf of or through Ameresco directly or indirectly in any manner whatsoever in the execution or the performance of this Agreement, or in the services, supplies or work, to which this Agreement relates or in any portion of the revenues; or

ii) is an employee, agent, advisor, or consultant to Ameresco or to the best of Ameresco's knowledge any subcontractor or supplier to Ameresco.

(C) Neither Ameresco nor any officer, director, employee, agency, parent, subsidiary, or affiliate of Ameresco shall have an interest which is in conflict with Ameresco's faithful performance of its obligation under this Agreement; provided that the PHA , in its sole discretion, may consent in writing to such a relationship, provided Ameresco provides the PHA with a written notice, in advance, which identifies all the individuals and entities involved and sets forth in detail the nature of the relationship and why it is in the PHA 's best interest to consent to such relationship.

(D) The provisions of this Article are supplemental to, not in lieu of, all applicable laws with respect to conflict of interest. In the event there is a difference between the standards applicable under this Agreement and those provided by statute, the stricter standard shall apply.

(E) In the event Ameresco has no prior knowledge of a conflict of interest as set forth above and acquires information which may indicate that there may be an actual or apparent violation of any of the above,

Ameresco shall promptly bring such information to the attention of the PHA's Project Manager. Ameresco shall thereafter cooperate with the PHA's review and investigation of such information, and comply with the instructions Ameresco receives from the Project Manager in regard to remedying the situation.

(30) PRESS RELEASE OR OTHER PUBLIC COMMUNICATION

Under no circumstances shall Ameresco without the express written consent of the PHA:

(A) Issue or permit to be issued any press release, advertisement or literature of any kind which refers to the PHA, or the Work being performed hereunder, unless Ameresco first obtains the written approval of the PHA. Such approval may be withheld if for any reason the PHA believes that the publication of such information would be harmful to the public interest or is in any way undesirable; and

(B)

Except as may be required by law, Ameresco and its employees, agents, subcontractors and suppliers will not represent, directly or indirectly, that any product or service provided by Ameresco or such parties has been approved or endorsed by the PHA .

Notwithstanding the foregoing, Ameresco may, at its sole discretion, and PHA hereby authorizes Ameresco to disclose, the contract value of this Agreement, a description of the Conservation Project (including location and scope of work), and PHA's name, in Ameresco's mass media, promotional and marketing materials. PHA further authorizes Ameresco to use any images of the Conservation Project or the Property in Ameresco's promotional and marketing materials. For purposes of this paragraph 29, the term Property shall mean those specific Developments described in Appendix A.

(31) Intentionally Omitted.

(32) BANKRUPTCY

The PHA reserves the right to terminate this Agreement, if, during the Term of any contract Ameresco has with the PHA, Ameresco becomes involved as a debtor in a bankruptcy proceeding, or becomes involved in a reorganization, dissolution, or liquidation proceeding, or if a trustee or receiver is appointed over all or a substantial portion of the property of Ameresco under federal bankruptcy law or any state insolvency law and same is not dismissed or removed within sixty days thereafter.

(33) FLORIDA PUBLIC RECORDS ACT

Pursuant to Section 119.0701 of the Florida Statutes, Ameresco shall:

a) Keep and maintain public records that ordinarily and necessarily would be required by the PHA in order to perform the Services;

b) Provide the public with access to public records on the same terms and conditions that the PHA would provide the records and at a cost that does not exceed the cost provided in the Florida Public Records Act, Miami-Dade County Administrative Order No. 4-48, or as otherwise provided by law;

c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law; and

d) Meet all requirements for retaining public records and transfer to the PHA, at no PHA cost, all public records created, received, maintained and/or directly related to the performance of this Agreement that are in possession of Ameresco upon termination of this Agreement. Upon termination of this Agreement, Ameresco shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the PHA in a format that is compatible with the information technology systems of the PHA.

For purposes of this Article, the term "public records"' shall mean all documents, papers, letters, maps, books, tapes, photographs, films, sound recordings, data processing software, or other material, regardless of the physical form, characteristics, or means of transmission, made or received pursuant to law or ordinance or in connection with the transaction of official business of the PHA.

In the event Ameresco does not comply with the public records disclosure requirements set forth in Section 119.0701 of the Florida Statutes and this Section 32, the PHA shall avail itself of the remedies set forth in Section 16 of this Agreement.

(34) SUCCESSORS AND ASSIGNS

Wherever the words PHA or Ameresco are used herein, they shall include their several successors, grantees, and assigns subject to the limitations of law and of this instrument. Nothing in this Agreement is intended, nor shall anything in this Agreement be deemed to create, any rights on behalf of any person or persons not a party hereto, including, without limitation, any tenant, or energy supplier, or Construction Subcontractor, with the exception that Ameresco's rights to receive payment for its services hereunder may be assigned to a lender or financial institution without further consent of the PHA. Notwithstanding the foregoing, this Agreement may be assigned to or assumed by any affiliated company of Ameresco, Inc. by issuance of a ten (10) day written notice and PHA's written acknowledgement of receipt of such notice within a five (5) day period thereafter.

(35) STATE LAW

This Agreement shall be governed by and construed in accordance with the laws of the State of Florida, (excluding the choice of law rules thereof). Venue for any litigation between parties regarding this Agreement shall lie only in State and Federal court in Miami-Dade County, Florida.

(36) ENTIRE AGREEMENT; AMENDMENTS

This Agreement, including its appendices, sets forth the entire agreement, and supersedes any and all prior agreements of the Parties with respect to the subject matters hereof. No change, amendment or modification of any provision of this Agreement shall be valid unless set forth in a written amendment to this Agreement signed by both Parties. In the event of any ambiguity or conflict in meaning, the terms of this Agreement shall not be construed against the drafting Party based upon that Party's having drafted this Agreement.

(37) NON-WAIVER

The failure of either Party to insist upon or enforce strict performance by the other Party of any provision of this Agreement or to exercise any right under this Agreement shall not be construed as a waiver or relinquishment to any extent of such Party's right to assert or rely upon any such provision or right in that or any other instance; rather, the same shall be and remain in full force and effect.

(38) NO PARTNERSHIP OR THIRD PARTY OBLIGATIONS

This Agreement shall not be interpreted or construed to create an association, joint venture or partnership between the Parties or to impose any partnership obligations or liability upon either Party or to create any rights or obligations in or with respect to any party or entity which is not a Party to this Agreement. Neither Party shall have any right, power, or authority to enter into any agreement or undertaking for or on behalf of, to act as, or be an agent or representative of, or to otherwise bind the other Party.

There are no third party beneficiaries of this Agreement.

(39) INVALIDITY

The invalidity or unenforceability of any provision of this Agreement shall not affect the other provisions hereof, and this Agreement shall be construed in all respects as if such invalid or enforceable provisions were omitted.

(40) NOTICES

All notices required pursuant to the terms of this Agreement shall be in writing and shall be delivered personally, by overnight courier or by such other means (including facsimile transmission or email with confirmation) evidencing delivery, or by certified mail.

Each Party shall deliver all notices to the other Party to the following addresses:

Ameresco:

General Counsel Ameresco, Inc.
Suite 410,111 Speen Street
Framingham, MA 01701

With a copy forwarded to the attention of:

Michael Daigneault, Vice President
Ameresco, Inc.
Suite 410, 111 Speen Street
Framingham, MA 01701

PHA:

Miami-Dade County
111 NW 1st Street
Miami, Florida 33128
Attn: Mayor

With copies forwarded to the attention of:

Miami-Dade Public Housing and Community Development
701 NW 1st Court, 16th Floor
Miami, FL 33136-3914
Attn: Director

Notices will be deemed given and received:

(a) when delivered, if delivered personally;

(b) the next business day after delivery to the courier, if given by overnight courier; or

(c) five calendar days from the date of mailing, if given by registered or certified mail; or

(d) when receipt is confirmed by the sending Party if by facsimile or e-mail, provided that the sending party follows up with an original by mail.

(41) FORCE MAJEURE:

If Ameresco is unable to perform due to causes beyond the control and without the fault or negligence of Ameresco including, but not limited to, acts of God or the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes and usually severe weather, upon request of Ameresco, PHA will ascertain the facts and extent of the failure to perform. If PHA reasonably determines that any failure to perform results from one or more of the causes above, the time for Ameresco's performance shall be revised, subject to the rights of PHA to terminate this Agreement for convenience and provided Ameresco used its best efforts, consistent with prudent business practices, to perform its obligations under this Agreement and to mitigate the losses to PHA arising from the event of Force Majeure.

If PHA is unable to perform (except for PHA's failure to fund its obligations under this Agreement) due to causes beyond the control and without the fault or negligence of PHA including, but not limited to, acts of God or the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemic, quarantine restrictions, strikes, freight embargoes and unusually severe weather, upon request of PHA, Ameresco will ascertain the facts and extent of the failure to perform. If Ameresco reasonably determines that any failure to perform results from one or more of the causes above, the time for PHA's performance shall be extended, provided PHA used its best efforts, consistent with prudent business practices, to perform its obligations under this Agreement and to mitigate the losses to Ameresco arising from the event of Force Majeure.

(42) PROMOTIONAL LITERATURE, PRESS AND MEDIA:

Neither Ameresco nor PHA endorses products or services. Therefore, each Party agrees that it will not use or imply the other's name, or use the other's reports, for advertising, promotional purposes, raising of capital, recommending investments, or any way that implies endorsement by the other.

Ameresco does not undertake projects for the purpose of litigation or to assign fault or blame and does not provide expert witness services. Therefore, PHA agrees not to use any project results in any dispute, litigation, or other legal action, except defensively in disputes, litigation, or other legal action pending or contemplated at the time of execution of this Agreement. The foregoing sentence shall not apply to disputes between PHA and Ameresco or between PHA and any of Ameresco's Construction Subcontractors under the terms and conditions of the Agreement.

(43) INCORPORATION:

This Agreement incorporates all the Exhibits and Attachments referenced or recited in this Agreement.

(44) HEADINGS:

The descriptive headings used in this Agreement are for purposes of convenience only and do not constitute a part of this Agreement.

(45) REPRESENTATIONS AND WARRANTIES:

Each Party warrants and represents to the other that:

(A) It has all requisite power, authority, licenses, permits, and franchises, corporate or otherwise, to execute and deliver this Agreement and perform its obligations hereunder;

(B) Its execution, delivery, and performance of this Agreement have been duly authorized by, or are in accordance with, as to Ameresco, its organic instruments and, as to PHA, by all requisite municipal, agency or other action and are not in breach of any applicable law, code or regulation; this Agreement has been duly executed and delivered by the signatories so authorized, and constitutes each Party's legal, valid and binding obligation;

(C) Its execution, delivery, and performance of this Agreement shall not result in a breach or violation of, or constitute a default under, any agreement, lease or instrument to which it is a party or by which it or its properties may be bound or affected; and

(D) It has not received any notice, nor to the best of its knowledge is there pending or threatened any notice of any violation of any applicable laws, ordinances, regulations, rules, decrees, awards, permits or orders which would materially adversely affect its ability to perform hereunder.

(E) The persons executing this Agreement are fully authorized by law to do so.

(F) In addition, PHA warrants and represents to Ameresco that PHA has obtained or shall obtain all necessary governmental, legal, administrative and any other approvals necessary for it to enter into this Agreement.

(46) ADDITIONAL REPRESENTATIONS AND WARRANTIES OF PHA

PHA hereby warrants and represents to Ameresco that:

(A) PHA presently intends to continue to use the Developments in a manner reasonably similar to its present use, subject to the provisions of Sections 8 and 10 of this Agreement, which provide for notice and adjustment of base consumption and savings information in the event of a Material Change. Should

such a change occur within the Term of this Agreement, PHA shall be subject to any prepayment provisions of the Construction Financing agreement;

(B) PHA does not presently contemplate any changes to the electrical and thermal consumption characteristics of the Developments as these existed during the base period except as may have been disclosed to Ameresco by PHA in writing prior to the execution of this Agreement;

(C) PHA has provided Ameresco with all records heretofore requested by Ameresco and, in that regard, Ameresco acknowledges that it has received Base Period data from PHA which appears to be complete as of the date of this Agreement, and that the information set forth therein is, and all information in other records to be subsequently provided pursuant to this Agreement shall be, true and accurate in all material respects except as may be disclosed by PHA in writing;

(D) PHA has not entered into any contracts or agreements for the Developments with persons or entities other than Ameresco regarding the provision of the energy services referenced herein.

(47) ADDITIONAL DEVELOPMENTS

Ameresco and PHA may agree that Ameresco shall install additional ECMs at a Development in addition to those listed on Appendix A (each "Additional Development"), through amendments to this Agreement mutually acceptable to both parties, or by entering into separate agreement between the Parties, which agreements shall include mutually agreeable terms and conditions, so long as such Developments were included in the PHA's solicitation under which Ameresco was procured.

(48) HIERARCHY OF PROVISIONS

Except as otherwise provided in this Section 48, in the event of any inconsistency or conflict between any term, condition or provision of this written Agreement (inclusive of Sections 1 through 48 thereof) and any Appendix or Attachment hereto shall be resolved by giving precedence in the following order: (i) the HUD General Conditions for Construction Contracts (HUD Form 5370); (ii) this Agreement; (iii) the Appendices; (iv) the Attachments; and (v) the Energy Performance Contracting Services Contract No. RFP774. In that regard, the document having the higher preference shall be controlling and the inconsistent or conflicting term, condition or provision in the document having the subordinate preference shall be deemed modified, superseded or replaced, as appropriate, by the provisions of the document having the higher preference.

[SIGNATURES APPEAR ON NEXT PAGE]

Executed as of the day and year first written above. The individuals executing this Performance Agreement represent that they have full authority to do so.

AMERESCO, INC.

By: _____

Name:

Title: Executive Vice President or Vice President

Date: _____

Witness: _____

MIAMI-DADE COUNTY

By: _____

Name: Russell Benford_____

Title: Deputy Mayor

Date: _____

Attest: _____
Clerk of the Board

Approved as to form
and legal sufficiency

_____
Terrence A. Smith
Assistant County Attorney

The following Appendices and Attachments are attached hereto and incorporated into this Agreement to the extent provided therein.

APPENDICES

A. DEVELOPMENTS

B. SCOPE OF WORK/RECOMMENDED ECM LIST (SUMMARY OF RECOMMENDATIONS)

C. CONSTRUCTION FINANCING AGREEMENT

D. CASH FLOW PROJECTION (INCLUDING BASELINE)

E. E-1. (a), (b), and (c). CONTRACT COST, ANNUAL SERVICES, and HOURLY RATES
E-2. CHANGE ORDER FORM

F. F-1. NOTICE OF SUBSTANTIAL COMPLETION
F-2. DELIVERY AND ACCEPTANCE CERTIFICATE

G. MONITORING AND SAVINGS VERIFICATION PLAN

H. STANDARDS OF COMFORT AND SERVICE

I. GUARANTEE

J. NOTICE TO PROCEED

K. SAMPLE INSTALLATION APPROVAL CERTIFICATE

L. HUD APPROVAL LETTER

M. PROJECT MILESTONES

N. HUD GENERAL CONDITIONS FOR THE CONTRACT FOR CONSTRUCTION (FORM 5370)

O. HUD FORM 5369-A- REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF BIDDERS

ATTACHMENTS:

1. ENERGY AUDIT REPORT
2. LIGHTING AUDITS: APARTMENTS, COMMON AREAS, AND LIGHTING CONTROL

Appendix A
Developments

AMP #	Site Name	Site Number	Management Address	# Units
821	Gwen Cherry 22	823	7101 NE Miami Ct, Miami, FL 33138	20
821	Gwen Cherry 20	826	76 NW 77 Street, Miami, FL 33150	23
821	Newberg	031	7200 NE Miami Court, Miami, FL 33138	60
821	Lemon City	051	150 NE 69 Street, Miami, FL 33138	100
822	Ward Towers	044	2200 NW 54 Street Miami, FL 33142	197
817	Ward Towers ALF	144	5301 NW 23rd Ave, Miami, FL 33142	100
823	Emmer Turnkey	037	7820 N Miami Ave, Miami, FL 33150	42
823	Kline Nunn	046	8300 N Miami Ave, Miami, FL 33150	38
823	Little River Plaza	067	8255 NW Miami Ct, Miami, FL 33150	86
823	Peters Plaza	039	191 NE 75th St, Miami, FL 33138	102
825	Twin Lakes	036	1205 NW 95th St, Miami, FL 33147	76
825	Palm Towers	043	950 NW 95th St, Miami, FL 33150	103
825	Palm Court	065	930 NW 95th St, Miami, FL 33150	88
826	Opa Locka Elderly	850	2329 NW 136th St, Opa Locka, FL 33054	50
828	Edison Plaza (Elderly)	056	200 NW 55th St, Miami, FL 33127	80
826	Palmetto Gardens	088	16850 NW 55th Ave, Miami Gardens, FL 33055	40
829	Jollivette	009	2400 NW 63rd St, Miami, FL 33147	66
821	Gwen Cherry 07	824	NE 2nd Avenue &67th Street 33138	32
821	Gwen Cherry 06	825	NW 1st Court & 71St Street, Miami, FL 33150	8
821	New Haven Gardens/Site 05	827	7200 NE 2 Avenue, Miami, FL 33138	82
822	Scattered Sites - A	815	2645 NW 61st St, Miami, FL 33142	24
822	Manor Park (Scattered Site)	847	1524 NW 51st Ter, Miami, FL 33142	32
822	Orchard Villa Homes (Scattered Site)	849	815 NW 55th Ter, Miami, FL 33127	12
823	Little River Terrace	006	8351 NW 5th Pl, Miami, FL 33150	108
824	Annie Coleman (Scattered Site) 14	014	2140 NW 53rd St, Miami, FL 33142	245
824	Annie Coleman (Scattered Site) 15	015	2200 NW 57th St, Miami, FL 33142	144
824	Annie Coleman (Scattered Site) 16	016	1901 NW 60th St, Miami, FL 33142	210
10	FHA Homes Dade Co. - C (Scattered)	836	Multiple addresses	5

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AMP #	Site Name	Site Number	Management Address	# Units
826	Venetian Gardens (Scattered Site)	042	3801 NW 161 Street, Opa-Locka, FL 33054	52
826	Vista Verde (Scattered)	839	Multiple addresses	26
827	Liberty Homes	848	Multiple addresses	44
828	Edison Courts	001	325 NW 62nd St, Miami, FL 33150	345
828	Edison Park (Family, Scattered Site)	056	279 NW 56th St, Miami, FL 33127	32
829	Model Cities - C (Scattered Sites)	817	7641 NW 17th Ave, Miami, FL 33147	38
829	Victory Homes (Scattered Sites)	007	520 NW 75th St., Miami, FL 33150	148
830	Wynwood Elderly	094	3000 NW 3rd Ave, Miami, FL 33127	72
832	Parkside I & II	054	333/357 NW 3rd St, Miami, FL 33128	56
833	Phyllis Wheatley	091	1701 NW 2nd Ct, Miami, FL 33136	40
833	Claude Pepper	025	750 NW 18th Ter, Miami, FL 33136	166
834	Helen Sawyer Plaza, ALF	057	1150 NW 11th Street Rd, Miami, FL 33136	104
837	Donn Gardens	008	1861 NW 28th St, Miami, FL 33142	64
837	Abe Arronovitz	011	2701 NW 18th Ave, Miami, FL 33142	55
837	Scattered Site 9 - D	829	NW 21 Avenue & 32nd Street, Miami, FL 33142	16
837	Scattered Site 11 - D	830	1919 NW 29th St, Miami, FL 33142	40
839	Falk Turnkey	030	445-465 SW 16th Ave, Miami, FL 33135	48
839	Jose Marti Plaza	090	154 SW 17th Ave, Miami, FL 33135	55
840	Harry Cain	089	490 NE 2nd Ave, Miami, FL 33132	154
830	In Cities -Wynwood (Scattered Site)	063	579 NW 34th St, Miami, FL 33127	45
830	Buena Vista Homes (Scattered)	844	295 NW 50th St, Miami, FL 33127	24
830	Wynwood Homes - C (Scattered)	854	104 NW 27th St, Miami, FL 33127	39
830	Gwen Cherry 23 - C (Scattered)	828	2001 NW 4th Ct, Miami, FL 33127	36
830	Rainbow Village	032	2140 NW 3rd Ave, Miami, FL 33127	100
830	Town Park	099	500 NW 19 St, Miami, FL 33125	38
831	Culmer Place	049	610 NW 10th St, Miami, FL 33136	151
831	Culmer Gardens	075	580 NW 5th Ave, Miami, FL 33136	75
839	Little Havana Homes (Scattered)	852	1255 SW 1st St, Miami, FL 33135	28

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AMP #	Site Name	Site Number	Management Address	# Units
841	Gwen Cherry 08	822	NW 11 Avenue & 23 Street, Miami, FL 33127	20
841	Gwen Cherry 12	821	NW 10 Avenue & 29 Street, Miami, FL 33127	6
841	Gwen Cherry 13	820	NW 12 Avenue & 24 Street, Miami, FL 33142	31
841	Gwen Cherry 14	833	2099 NW 23rd St, Miami, FL 33142	78
841	Gwen Cherry 15	831	NW 23 Avenue & 23 Street, Miami, FL 33142	28
841	Gwen Cherry 16	832	NW 20 Avenue & 18 Terrace, Miami, FL 33125	70
841	Allapallah Homes (Scattered Site)	845	1233 NW 35th St, Miami, FL 33142	50
841	Santa Clara Homes (Scattered Site)	853	1001 NW 27th St, Miami, FL 33127	13
843	Biscayne Plaza	841	15201 SW 288th St, Homestead, FL 33033	52
844	Homestead Gardens	050	1542 SW 4th St, Homestead, FL 33030	150
844	Florida City Gardens	078	900 NW 6th Ave, Homestead, FL 33030	50
844	W. Homestead Gardens	083	SW 4 Ct & SW 4th Ave, Homestead, FL 33030	12
844	Homestead East	851	1350 NE 13th St, Homestead, FL 33033	30
845	Perrine Villas	082	10000 W Jessamine St, Miami, FL 33157	20
846	Moody Gardens	069	SW 135 Ave & SW 268th St, Miami, FL 33032	34
847	Goulds Plaza	079	S Dixie Hwy & SW 213th St, Miami, FL 33189	50
842	Grove Homes (Scattered Sites)	846	3631 Oak Ave, Coral Gables, FL 33133	24
842	South Miami	060	6700 SW 59th PL, Miami, FL 33143	58
815	Homeownership (010), (Scattered Sites)	834	15280 SW 307 RD, Homestead, FL 3303 30705 SW 155 CT, Homestead, FL 33033	2
843	Heritage Village II	086	SW 270 St & SW 142nd Ave, Miami, FL 33032	26
843	Wayside	070	15953 SW 290th St, Homestead, FL 33033	30
844	Florida City Family	078	NW 6th Ave & NW 6th Terr, Homestead, FL 33034	26
844	Homestead Village	085	SW 5 St & SW 5th Ave, Homestead, FL 33034	11
845	Perrine Gardens	022	10161 Circle Plz W, Miami, FL 33157	158

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AMP #	Site Name	Site Number	Management Address	# Units
845	Richmond Homes	077	SW 168 St & SW 104th Ave, Miami, FL 33157	32
845	FHA Scattered Homes (Scattered)	840	11520 SW 187TH ST, Miami, FL 33177 22433 SW 113TH PL, Miami, FL 33170	2
846	Naranja	035	26201 SW 139th Ct, Homestead, FL 33032	116
846	Moody Village	069	13500 SW 268th St, Homestead, FL 33032	64
846	Pine Island I	072	12700 SW 272nd St, Homestead, FL 33032	80
846	Pine Island II	073	12700 SW 272nd St, Homestead, FL 33032	50
847	Arthur Mays Village	040	11341 SW 216th St, Miami, FL 33170	184
847	Southridge I	071	11200 SW 192 Street, Miami, FL	76
847	Southridge II	087	11200 SW 192 Street, Miami, FL	30
Totals				**5927**

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APPENDIX B
SCOPE OF WORK

The following section summarizes the Scope of Work included in this ESA.

Table B: ECM List

Region 1 Elderly Sites

ECM #	Description	Gwen Cherry 22	Gwen Cherry 20	Newberg	Lemon City	Ward Towers	Ward Towers ALF	Emmer Turnkey	Kline Kunn	Little River Plaza	Peters Plaza	Twin Lakes	Palm Towers	Palm Court	Opa Locka Elderly	Edison Plaza (Elderly)	Palmetto Gardens	Jolliverte
		823	825	091	051	046	44	037	046	067	039	036	043	065	050	056	082	008
1	Install HET Toilets	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Install Low-Flow Showerheads & Faucet Aerators	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Install Front-Loading Washers				✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	
4	Upgrade Common Area Lighting				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
5	Upgrade Apartment Lighting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Install Vending Machine Controls						✓											
7	Install Energy Management System						✓											
8	Install Electric Instantaneous Water Heaters																	
9	Install Water Cooled Heat Pumps						✓											
10	Install Variable Volume HVAC Systems						✓											
11	Replace Windows				✓					✓				✓		✓		
12	Convert Electric Dryers to Gas						✓			✓	✓		✓					
13	Upgrade Exterior Area Lighting	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
14	Install Lighting Controls																	

Measure Matrix - Region 1 Family Sites

ECM #	Description	Gwen Cherry 07	Gwen Cherry 09	New Haven Gardens/Site 05	Scattered Sites - A	Brandt Park (Scattered Site)	Orchard Villa Homes	Little River Terrace	Annie Coleman (Scattered	Annie Coleman (Scattered	Annie Coleman (Scattered	FHA Homes Dade Co.	Venetian Gardens (Scattered	Vista Verde (Scattered)	Liberty Homes	Edison Courts	Edison Park (Family)	Model Cities - C (Scattered	Victory Homes (Scattered
		824	825	827	815	847	849	805	014	015	016	836	042	829	848	001	036	817	807
1	Install HET Toilets	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Install Low-Flow Showerheads & Faucet Aerators	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Install Front-Loading Washers							✓								✓			
4	Upgrade Common Area Lighting																		
5	Upgrade Apartment Lighting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Install Vending Machine Controls																		
7	Install Energy Management System																		
8	Install Electric Instantaneous Water Heaters																		
9	Install Water Cooled Heat Pumps																		
10	Install Variable Volume HVAC Systems																		
11	Replace Windows																		
12	Convert Electric Dryers to Gas																		
13	Upgrade Exterior Area Lighting	✓	✓					✓									✓		
14	Install Lighting Controls							✓											

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Measure Matrix - Region 2 Elderly Sites

ECM #	Description	Wynwood Elderly	Parkside I & II	Phyllis Wheatley	Claude Pepper	Helen Sawyer Plaza, ALF	Donn Gardens	Abe Arronovitz	Scattered Site 9 - D	Scattered Site 11 - D	Falk Turnkey	Jose Marti Plaza	Harry Cain
		094	054	091	025	057	008	011	829	830	030	090	089
1	Install HET Toilets	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Install Low-Flow Showerheads & Faucet Aerators	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Install Front-Loading Washers	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
4	Upgrade Common Area Lighting	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓
5	Upgrade Apartment Lighting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Install Vending Machine Controls	✓									✓		
7	Install Energy Management System												
8	Install Electric Instantaneous Water Heaters												
9	Install Water Cooled Heat Pumps												
10	Install Variable Volume HVAC Systems												
11	Replace Windows					✓							
12	Convert Electric Dryers to Gas	✓						✓					
13	Upgrade Exterior Area Lighting	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
14	Install Lighting Controls												✓

Measure Matrix - Region 2 Family Sites

ECM #	Description	In Cities-Wynwood (Scattered	Buena Vista Homes	Wynwood Homes - C (Scattered)	Gwen Cherry 23 - C	Rainbow Village	Town Park	Culmer Place	Culmer Gardens	Little Havana Homes	Gwen Cherry 08	Gwen Cherry 12	Gwen Cherry 13	Gwen Cherry 14	Gwen Cherry 15	Gwen Cherry 16	Allapattah Homes (Scattered	Santa Clara Homes (Scattered
		063	848	854	826	032	099	049	075	852	822	821	820	833	831	832	845	853
1	Install HET Toilets	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Install Low-Flow Showerheads & Faucet Aerators	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Install Front-Loading Washers									✓								
4	Upgrade Common Area Lighting					✓				✓				✓				
5	Upgrade Apartment Lighting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Install Vending Machine Controls																	
7	Install Energy Management System																	
8	Install Electric Instantaneous Water Heaters																	
9	Install Water Cooled Heat Pumps																	
10	Install Variable Volume HVAC Systems																	
11	Replace Windows																	
12	Convert Electric Dryers to Gas																	
13	Upgrade Exterior Area Lighting	✓					✓			✓	✓	✓	✓	✓	✓	✓		
14	Install Lighting Controls																	

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Measure Matrix - Region 3 Elderly Sites

ECM #	Description	Biscayne Plaza	Homestead Gardens	Florida City Gardens	W. Homestead Gardens	Homestead East	Perrine Villas	Moody Gardens	Goulds Plaza
		041	050	078	083	851	092	069	079
1	Install HET Toilets	✓	✓	✓	✓	✓	✓	✓	✓
2	Install Low-Flow Showerheads & Feucet Aerators	✓	✓	✓	✓	✓	✓	✓	✓
3	Install Front-Loading Washers	✓	✓	✓	✓	✓	✓	✓	✓
4	Upgrade Common Area Lighting	✓	✓	✓		✓	✓	✓	✓
5	Upgrade Apartment Lighting	✓	✓	✓	✓	✓	✓	✓	✓
6	Install Vending Machine Controls								
7	Install Energy Management System								
8	Install Electric Instantaneous Water Heaters								
9	Install Water Cooled Heat Pumps								
10	Install Variable Volume HVAC Systems								
11	Replace Windows								
12	Convert Electric Dryers to Gas								
13	Upgrade Exterior Area Lighting	✓		✓			✓	✓	✓
14	Install Lighting Controls								

Measure Matrix - Region 3 Family Sites

ECM #	Description	Grove Homes (Scattered	South Miami	Homeownership (010) (Scattered	Heritage Village II	Wayside	Florida City Family	Homestead Village	Perrine Gardens	Richmond Homes	FHA Scattered Homes	Naranja	Moody Village	Pine Island I	Pine Island II	Arthur Mays Village	Southridge I	Southridge II
		045	050	834	086	070	078	085	022	077	840	035	069	072	073	040	071	087
1	Install HET Toilets	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Install Low-Flow Showerheads & Feucet Aerators	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Install Front-Loading Washers								✓									
4	Upgrade Common Area Lighting								✓			✓		✓		✓	✓	
5	Upgrade Apartment Lighting	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
6	Install Vending Machine Controls																	
7	Install Energy Management System																	
8	Install Electric Instantaneous Water Heaters																	
9	Install Water Cooled Heat Pumps																	
10	Install Variable Volume HVAC Systems																	
11	Replace Windows																	
12	Convert Electric Dryers to Gas																	
13	Upgrade Exterior Area Lighting		✓						✓	✓			✓			✓	✓	
14	Install Lighting Controls															✓		

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ECM 1: Install HET Toilets

Ameresco shall install new toilets, in accordance with the schedules and scopes of work listed below:

The scope of work will include the following:

- Remove and properly dispose of existing plumbing fixtures
- Furnish and install new plumbing fixtures in accordance with local plumbing codes
- Jobsite cleanup to "as-was" conditions
- New equipment provided:

  Toilets: As noted in Table 1.7 to 1.12 below
- The new plumbing fixtures will be connected to the existing water supply and waste lines. For new toilet installations, Ameresco will include new seat, wax ring, and closet bolts. Tank toilet installations will receive braided, low-burst, high-impact, flexible supply line and gasket kit
- Existing flanges and stop valves will be reused. Ameresco has budgeted for the replacement of damaged flanges and toilet stop valves for up to 10% of the toilet installations. If any additional repairs are required to properly install the new toilets or other plumbing fixtures, this work shall be completed with MDPHCD approval as a change order at the following unit costs:

  Flange Replacement: $329 ea.
  Stop Valve Replacement $157 ea.
- Replacement of existing mounting rails, vacuum breakers, diverter valves, and escutcheon plates is excluded from the scope and cost of this ECM.
- Repair of existing floor and tile damage is excluded from the scope and cost of this ECM.

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Table 1.7 Region 1 Elderly Toilet Replacement Quantities by Development and Toilet Type

Developments	Total # Apts.	Total # Apartment Toilets	Total # Common Toilets	Type P-1	Type P-2	Type P-3	Type P-4	Type P-5	Type P-6	Type P-7	Type P-8	Type P-9	Type P-10	Urinal Retrofit	Total New Toilets
Gwen Cherry 22	20	20	0	20	0	0	0	0	0	0	0	0	0	0	20
Gwen Cherry 20	23	23	0	23	0	0	0	0	0	0	0	0	0	0	23
Newberg	60	60	0	0	0	0	0	0	0	0	0	0	0	0	0
Lemon City	100	100	4	100	0	4	0	0	0	0	0	0	0	1	104
Ward Towers	197	197	0	0	197	0	0	0	0	0	0	0	0	0	197
Ward Towers ALF	100	100	0	0	0	100	0	0	0	0	0	0	0	0	100
Emmer Turnkey	42	42	0	42	0	0	0	0	0	0	0	0	0	0	42
Kline Nunn	38	38	0	33	0	5	0	0	0	0	0	0	0	0	38
Little River Plaza	86	86	3	82	0	7	0	0	0	0	0	0	0	1	89
Peters Plaza	102	102	2	102	0	2	0	0	0	0	0	0	0	0	104
Twin Lakes	76	76	2	41	35	2	0	0	0	0	0	0	0	0	78
Palm Towers	103	103	5	54	0	53	0	0	0	0	0	1	0	1	108
Palm Court	88	88	3	84	0	7	0	0	0	0	0	0	0	0	91
Opa Locka Elderly	50	50	0	25	20	5	0	0	0	0	0	0	0	0	50
Edison Plaza (Elderly)	80	80	3	80	0	0	0	0	0	0	0	1	2	1	83
Palmetto Gardens	40	40	2	20	0	20	2	0	0	0	0	0	0	1	42
Jollivette	66	66	0	46	0	20	0	0	0	0	0	0	0	0	66
Total	1,271	1,271	24	752	252	225	2	0	0	0	0	2	2	5	1,235

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Table 1.8 Region 1Family Toilet Replacement Quantities by Development and Toilet Type

Developments	Total # Apts.	Total # Apartment Toilets	Total # Common Toilets	Type P-1	Type P-2	Type P-3	Type P-4	Type P-5	Type P-6	Type P-7	Type P-8	Type P-9	Type P-10	Urinal Retrofit	Total New Toilets
Gwen Cherry 07	32	38	0	33	0	5	0	0	0	0	0	0	0	0	38
Gwen Cherry 06	8	9	0	7	0	2	0	0	0	0	0	0	0	0	9
New Haven Gardens/Site 05	82	102	0	97	0	5	0	0	0	0	0	0	0	0	102
Scattered Sites - A	24	28	0	23	0	5	0	0	0	0	0	0	0	0	28
Manor Park (Scattered Site)	32	64	0	54	0	10	0	0	0	0	0	0	0	0	64
Orchard Villa Homes (Scattered Site)	12	24	0	19	0	5	0	0	0	0	0	0	0	0	24
Little River Terrace	108	146	0	136	0	12	0	0	0	0	0	0	0	0	148
Annie Coleman (Scattered Site) 14	245	349	0	341	0	12	0	0	0	0	0	0	0	0	353
Annie Coleman (Scattered Site) 15	144	144	0	0	0	0	0	0	0	0	0	139	5	0	144
Annie Coleman (Scattered Site) 16	210	302	0	272	20	10	0	0	0	0	0	0	0	0	302
FHA Homes Dade Co - C (Scattered)	5	5	0	5	0	0	0	0	0	0	0	0	0	0	5
Venetian Gardens (Scattered Site)	52	92	0	87	0	5	0	0	0	0	0	0	0	0	92
Vista Verde (Scattered)	26	28	0	23	0	5	0	0	0	0	0	0	0	0	28
Liberty Homes	44	44	0	39	0	5	0	0	0	0	0	0	0	0	44
Edison Courts	345	345	0	335	0	10	0	0	0	0	0	0	0	0	345
Edison Park (Family, Scattered Site)	32	42	0	42	0	0	0	0	0	0	0	0	0	0	42

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Table 1.8 Region 1Family Toilet Replacement Quantities by Development and Toilet Type (continued)

Developments	Total # Apts.	Total # Apartment Toilets	Total # Common Toilets	Type P-1	Type P-2	Type P-3	Type P-4	Type P-5	Type P-6	Type P-7	Type P-8	Type P-9	Type P-10	Urinal Retrofit	Total New Toilets
Model Cities - C (Scattered Sites)	38	76	0	71	0	5	0	0	0	0	0	0	0	0	76
Victory Homes (Scattered Sites)	148	155	0	155	0	0	0	0	0	0	0	0	0	0	155
Total	1,587	1,993	0	1,739	20	96	0	0	0	0	0	139	5	0	1,996

Table 1.9 Region 2 Elderly Toilet Replacement Quantities by Development and Toilet Type

Developments	Total # Apts.	Total # Apartment Toilets	Total # Common Toilets	Type P-1	Type P-2	Type P-3	Type P-4,5	Type P-6	Type P-7	Type P-8	Type P-9,10	Type P-11	Type P-12	Urinal Retrofit	Total New Toilets
Wynwood Elderly	72	72	0	36	36	2	0	0	0	0	0	0	0	1	74
Parkside I & II	56	56	0	28	28	0	0	0	0	0	0	0	0	0	56
Phyllis Wheatley	40	40	0	40	0	2	0	0	0	0	0	0	0	1	42
Claude Pepper	166	166	0	111	50	5	0	0	0	0	0	0	0	0	166
Helen Sawyer Plaza, ALF	104	104	0	79	20	5	0	0	0	0	0	0	0	0	104
Donn Gardens	64	64	0	19	40	5	0	0	0	0	0	0	0	0	64
Abe Arronovitz	55	55	0	50	0	5	0	0	0	0	0	0	0	0	55
Scattered Site 9-D	16	16	0	16	0	0	0	0	0	0	0	0	0	0	16
Scattered Site 11-D	40	40	0	40	0	0	0	0	0	0	0	0	0	0	40
Falk Turnkey	48	48	0	43	0	5	0	0	0	0	0	0	0	0	48
Jose Marti Plaza	55	55	0	0	52	7	0	0	0	0	0	0	0	1	59
Harry Cain	154	154	0	149	3	5	0	0	0	0	0			0	157
Total	870	870	0	611	229	41	0	0	0	0	0	0	0	3	881

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Table 1.10 Region 2 Family Toilet Replacement Quantities by Development and Toilet Type

Developments	Total # Apts	Total # Apartment Toilets	Total # Common Toilets	Type P-1	Type P-2	Type P-3	Type P-4	Type P-5	Type P-6	Type P-7	Type P-8	Type P-9	Type P-10	Urinal Retrofit	Total New Toilets
In Cities -Wynwood (Scattered Site)	45	47	0	0	47	0	0	0	0	0	0	0	0	0	47
Buena Vista Homes (Scattered)	24	48	0	43	0	5	0	0	0	0	0	0	0	0	48
Wynwood Homes - C (Scattered)	71	121	0	106	10	5	0	0	0	0	0	0	0	0	121
Gwen Cherry 23 - C (Scattered)	36	44	0	9	30	5	0	0	0	0	0	0	0	0	44
Rainbow Village	100	110	0	85	21	8	0	0	0	0	0	0	0	1	114
Town Park	38	57	0	32	20	5	0	0	0	0	0	0	0	0	57
Culmer Place	151	204	0	179	20	5	0	0	0	0	0	0	0	0	204
Culmer Gardens	75	94	0	69	20	5	0	0	0	0	0	0	0	0	94
Little Havana Homes (Scattered)	28	33	0	0	33	0	0	0	0	0	0	0	0	0	33
Gwen Cherry 08	20	28	0	28	0	0	0	0	0	0	0	0	0	0	28
Gwen Cherry 12	6	8	0	8	0	0	0	0	0	0	0	0	0	0	8
Gwen Cherry 13	31	36	0	36	0	0	0	0	0	0	0	0	0	0	36
Gwen Cherry 14	78	94	0	84	10	0	0	0	0	0	0	0	0	0	94
Gwen Cherry 15	28	30	0	30	0	0	0	0	0	0	0	0	0	0	30
Gwen Cherry 16	70	82	0	72	10	0	0	0	0	0	0	0	0	0	82
Allapallah Homes (Scattered Site)	50	100	0	100	0	0	0	0	0	0	0	0	0	0	100
Santa Clara Homes (Scattered Site)	13	26	0	21	5	0	0	0	0	0	0	0	0	0	26
Total	984	1,162	0	902	226	38	2	0	0	0	0	0	0	1	1,166

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Table 1.11 Region 3 Elderly Toilet Replacement Quantities by Development and Toilet Type

Developments	Total # Apts	Total # Apartment Toilets	Total # Common Toilets	Type P-1	Type P-2	Type P-3	Type P-4	Type P-5	Type P-6	Type P-7	Type P-8	Type P-9	Type P-10	Urinal Retrofit	Total New Toilets
Biscayne Plaza	52	52	3	12	38	5	0	0	0	0	0	0	0	0	55
Homestead Gardens	150	222	3	222	3	0	0	0	0	0	0	0	0	0	225
Florida City Gardens	50	50	0	45	0	5	0	0	0	0	0	0	0	0	50
W. Homestead Gardens	12	12	0	6	3	3	0	0	0	0	0	0	0	0	12
Homestead East	30	30	0	30	0	0	0	0	0	0	0	0	0	0	30
Perrine Villas	20	20	0	0	20	0	0	0	0	0	0	0	0	0	20
Moody Gardens	34	34	0	34	0	0	0	0	0	0	0	0	0	0	34
Goulds Plaza	50	50	3	25	22	6	0	0	0	0	0	0	0	0	53
Total	398	470	9	374	86	19	0	0	0	0	0	0	0	0	479

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Table 1.12 Region 3 Family Toilet Replacement Quantities by Development and Toilet Type

Developments	Total # Apts.	Total # Apartment Toilets	Total # Common Toilets	Type P-1	Type P-2	Type P-3	Type P-4	Type P-5	Type P-6	Type P-7	Type P-8	Type P-9	Type P-10	Urinal Retrofit	Total New Toilets
Grove Homes (Scattered Sites)	24	48	0	48	0	0	0	0	0	0	0	0	0	0	48
South Miami	58	104	0	94	10	0	0	0	0	0	0	0	0	0	104
Homeownership (010), (Scattered Sites)	2	3	0	1	2	0	0	0	0	0	0	0	0	0	3
Heritage Village II	26	52	0	46	3	3	0	0	0	0	0	0	0	0	52
Wayside	30	33	0	33	0	0	0	0	0	0	0	0	0	0	33
Florida City Family	26	52	0	52	0	0	0	0	0	0	0	0	0	0	52
Homestead Village	11	22	0	0	20	2	0	0	0	0	0	0	0	0	22
Perrine Gardens	158	206	6	176	22	12	0	0	0	0	0	1	0	1	212
Richmond Homes	32	64	0	32	32	0	0	0	0	0	0	0	0	0	64
FHA Scattered Homes (Scattered)	2	4	0	4	0	0	0	0	0	0	0	0	0	0	4
Naranja	116	180	2	146	31	5	0	0	0	0	0	0	0	0	182
Moody Village	64	115	0	95	20	0	0	0	0	0	0	0	0	0	115
Pine Island I	80	88	2	69	20	1	0	0	0	0	0	0	0	0	90
Pine Island II	50	100	0	75	20	5	0	0	0	0	0	0	0	0	100
Arthur Mays Village	184	247	9	32	220	2	0	0	0	0	0	2	0	0	256
Southridge I	76	84	4	85	0	2	0	0	0	0	0	0	0	1	88
Southridge II	30	54	0	54	0	0	0	0	0	0	0	0	0	0	54
Total	969	1,456	23	1,042	400	32	0	0	0	0	0	3	0	2	1,477

Key to Tables 1.7 to 1.12:

P-1. Gravity Flush, Tank-Type Toilet, Standard Height, Round Front, Floor-Mounted, Floor-Outlet, 1.28 GPF
P-2. Gravity Flush, Tank-Type Toilet, Standard Height, Elongated Front, Floor-Mounted, Floor-Outlet, 1.28 GPF
P-3. Gravity Flush, Tank-Type Toilet, ADA Height Compliant, Elongated Front, Floor-Mounted, Floor-Outlet, 1.28 GPF
P-4. Pressure-Assist, Tank-Type Toilet, Standard Height, Elongated Front, Floor-Mounted, Floor-Outlet, 1.28 GPF
P-5. Pressure-Assist, Tank-Type Toilet, Standard Height, Round Front, Floor-Mounted, Wall-Outlet, 1.28 GPF
P-6. Pressure-Assist, Tank-Type Toilet, Standard Height, Elongated Front, Floor-Mounted, Wall-Outlet, 1.28 GPF
P-7. Pressure-Assist, Tank-Type Toilet, Standard Height, Elongated Front, Wall-Mounted, Wall-Outlet, 1.28 GPF
P-8. Flushometer bowl and valve, Standard Height, Round Front, Floor- Mounted, Floor-Outlet, 1.28 GPF
P-9. Flushometer bowl and valve, Standard Height, Elongated Front, Floor- Mounted, Floor-Outlet, 1.28 GPF
P-10. Flushometer bowl and valve, ADA Height Compliant, Elongated Front, Floor- Mounted, Floor-Outlet, 1.28 GPF
P-11. Flushometer bowl and valve, Standard Height, Elongated Front, Floor- Mounted, Wall-Outlet, 1.28 GPF
P-12. Flushometer bowl and valve, ADA Height Compliant, Elongated Front, Floor- Mounted, Wall-Outlet, 1.28 GPF

Urinal retrofit includes new, .5 GPF, piston-type flush valve.

Note: All new toilets will be furnished complete with new seats. Tank-type toilets will include new braided water supply connections. New flushometer valves shall be piston-type.

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ECM 2: Install Low Flow Showerheads & Faucet Aerators

Ameresco shall install new showerheads and faucet aerators in accordance with the schedules and scopes of work listed below:

A total of 6,010, 1.75 GPM fixed-head showerheads and 1,536, 1.75 GPM hand-held models will be installed.

A total of 7,922, 1.0 GPM aerators will be installed in bathrooms and 6,573, 1.5 GPM kitchen faucet aerators will be installed.

Bathroom aerators will be Niagara, or equal, while kitchen aerators will be Niagara Conservation

The aerator and showerhead replacement schedules are shown in Tables 2.7 to 2.12.

The scope of work will include the following:

- Jobsite cleanup to "as-was" conditions
- New equipment provided:

Showerheads:	Niagara Model Conservation N2917CH, 1.75 GPM, or equal (for fixed-head applications) Niagara Conservation Model # N2945CH, 1.5 GPM, or equal (for hand-held applications)
Aerators:	Niagara Conservation Model # N3210B-PC, 1.0 GPM, or equal (for bath applications) Niagara Conservation Model N3215(M/F)-TP (tamperproof), 1.5 GPM, or equal (for kitchen applications)

- Existing rail-mount handheld showerheads shall be provided with new compatible rail mount swivel pieces and 70" nylon shower hose. Replacement of existing mounting rails, vacuum breakers, diverter valves, and escutcheon plates is excluded from the scope and cost of this ECM.
- Repair of existing floor and tile damage is excluded from the scope and cost of this ECM.

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Table 2.7: Region 1 Elderly Showerhead and Faucet Aerator Replacement Quantities by Development

Developments	Shower Heads Fixed	Shower Heads Handheld	Bath Aerators	Kitchen Aerators
Gwen Cherry 22	20	0	20	20
Gwen Cherry 20	18	5	23	23
Lemon City	100	0	104	102
Ward Towers	148	49	197	197
Ward Towers ALF	75	25	100	100
Emmer Turnkey	42	0	42	42
Kline Nunn	38	0	38	38
Little River Plaza	86	0	90	87
Peters Plaza	102	0	104	102
Twin Lakes	76	0	78	76
Palm Towers	82	21	110	104
Palm Court	55	33	91	89
Opa Locka Elderly	25	25	50	50
Edison Plaza (Elderly)	69	11	82	80
Palmetto Gardens	24	16	44	40
Jollivette	50	17	66	66
Total	1,010	202	1,239	1,216

Table 2.8: Region 1 Family Showerhead and Faucet Aerator Replacement Quantities by Development

Developments	Shower Heads Fixed	Shower Heads Handheld	Bath Aerators	Kitchen Aerators
Gwen Cherry 07	25	13	38	32
Gwen Cherry 06	5	4	9	8
New Haven Gardens/Site 05	88	14	102	82
Scattered Sites - A	28	0	28	24
Manor Park (Scattered Site)	32	0	64	32
Orchard Villa Homes (Scattered Site)	12	0	24	12
Little River Terrace	122	24	148	110
Annie Coleman (Scattered Site) 14	325	25	353	245
Annie Coleman (Scattered Site) 15	144	0	144	144
Annie Coleman (Scattered Site) 16	302	0	302	210
FHA Homes Dade Co. - C (Scattered)	5	0	5	5
Venetian Gardens (Scattered Site)	62	0	92	52

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Developments	Shower Heads Fixed	Shower Heads Handheld	Bath Aerators	Kitchen Aerators
Vista Verde (Scattered)	28	0	28	26
Liberty Homes	44	0	44	44
Edison Courts	345	0	345	345
Edison Park (Family, Scattered Site)	42	0	42	32
Model Cities - C (Scattered Sites)	40	10	76	38
Victory Homes (Scattered Sites)	130	25	155	148
Total	**1,779**	**115**	**1,999**	**1,589**

Table 2.9: Region 2 Elderly Showerhead and Faucet Aerator Replacement Quantities by Development

Developments	Shower Heads Fixed	Shower Heads Handheld	Bath Aerators	Kitchen Aerators
Wynwood Elderly	63	9	75	72
Parkside I & II	56	0	56	56
Phyllis Wheatley	40	0	43	40
Claude Pepper	0	166	166	166
Helen Sawyer Plaza, ALF	0	104	104	104
Donn Gardens	43	21	64	64
Abe Arronovitz	0	55	56	55
Scattered Site 9 - D	11	5	16	16
Scattered Site 11 - D	0	40	40	40
Falk Turnkey	36	12	48	48
Jose Marti Plaza	46	9	58	55
Harry Cain	77	77	158	154
Total	**372**	**498**	**884**	**870**

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Table 2.10: Region 2 Family Showerhead and Faucet Aerator Replacement Quantities by Development

Developments	Shower Heads Fixed	Shower Heads Handheld	Bath Aerators	Kitchen Aerators
In Cities -Wynwood (Scattered Site)	20	27	47	45
Buena Vista Homes (Scattered)	36	12	48	24
Wynwood Homes - C (Scattered)	71	0	121	71
Gwen Cherry 23 - C (Scattered)	37	7	44	36
Rainbow Village	100	10	113	100
Town Park	51	6	57	38
Culmer Place	204	0	204	151
Culmer Gardens	86	8	94	75
Little Havana Homes (Scattered)	33	0	33	28
Gwen Cherry 08	28	0	28	20
Gwen Cherry 12	5	3	8	6
Gwen Cherry 13	36	0	36	31
Gwen Cherry 14	82	12	94	78
Gwen Cherry 15	30	0	30	28
Gwen Cherry 16	82	0	82	70
Allapallah Homes (Scattered Site)	100	0	100	50
Santa Clara Homes (Scattered Site)	12	4	26	13
Total	**1,013**	**89**	**1,165**	**864**

Table 2.11: Region 3 Elderly Showerhead and Faucet Aerator Replacement Quantities by Development

Developments	Shower Heads Fixed	Shower Heads Handheld	Bath Aerators	Kitchen Aerators
Biscayne Plaza	42	10	55	52
Homestead Gardens	140	10	225	150
Florida City Gardens	40	10	50	50
W. Homestead Gardens	12	0	12	12
Homestead East	10	20	30	30
Perrine Villas	13	7	20	20
Moody Gardens	34	0	34	34
Goulds Plaza	50	0	53	50
Total	**341**	**57**	**479**	**398**

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Table 2.12: Region 3 Family Showerhead and Faucet Aerator Replacement Quantities by Development

Developments	Shower Heads Fixed	Shower Heads Handheld	Bath Aerators	Kitchen Aerators
Grove Homes (Scattered Sites)	24	0	48	24
South Miami	46	29	104	58
Homeownership (010), (Scattered Sites)	3	0	3	2
Heritage Village II	52	0	52	26
Wayside	33	0	33	30
Florida City Family	43	9	52	26
Homestead Village	22	0	22	11
Perrine Gardens	182	24	213	158
Richmond Homes	64	0	64	32
FHA Scattered Homes (Scattered)	4	0	4	2
Naranja	180	0	183	116
Moody Village	115	0	115	64
Pine Island I	88	0	91	80
Pine Island II	100	0	100	50
Arthur Mays Village	215	32	257	184
Southridge I	84	0	89	76
Southridge II	54	0	54	30
Total	**1,309**	**94**	**1,484**	**969**

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ECM 3: Install Front-Load Washers

Ameresco proposes to work together with MDPHCD to replace the existing top-loading washers at all sites with more water- and energy-efficient, front-loading, Energy Star models. The new front-loading washers will have wash capacities similar to the existing top-loading models.

Ameresco has not included any appliance costs or vendor fees associated with replacing the existing washers with front-loading units at any of the central laundry sites, as laundry equipment vendors are usually amenable to swapping the washers at no cost. (However, some vendors require a revised or new lease be executed as condition of this swap-out.) Ameresco will provide the necessary support to MDPHCD to coordinate specification and installation of the new washers.

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ECM 4: Upgrade Common Area Lighting

Ameresco shall install new lighting fixtures and retrofits in accordance with the common area lighting audit presented in Attachment 2.

The scope of work shall include removal of the existing equipment and installation of the new equipment in accordance with the above referenced lighting audits, proper disposal of all job site waste, including any hazardous waste, and job-site cleanup. Existing power wiring and controls shall be reused, unless otherwise noted in the lighting audit.

It is assumed that all existing wiring is in good condition and code compliant. This scope of work excludes any repair or replacement of deficient wiring.

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ECM 5: Upgrade Apartment Lighting

Ameresco shall retrofit apartment lighting systems in accordance with the Apartment Lighting Audit presented in Attachment 2.

The scope of work shall include removal of the existing equipment and installation of the new equipment in accordance with the above referenced lighting audits, proper disposal of all job site waste, including any hazardous waste, and job-site cleanup. Existing power wiring and controls shall be reused, unless otherwise noted in the lighting audit.

It is assumed that all existing wiring is in good condition and code compliant. This scope of work excludes any repair or replacement of deficient wiring.

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ECM 6: Install Vending Machine Controls

Ameresco shall install occupancy sensing, plug load controllers. A total of 6 VendingMiser™ controllers will be installed on 3 soft drink and 3 snack vending machines.

The Controller's schedule is shown in Tables 6.1.

Table 6.1: Vending Machine Inventory

Development	Beverage Machine Quantity	Snack Machine Quantity
Emmer Turnkey	1	1
Liberty Square (2)	0	
Wynwood Elderly	1	1
Smathers Plaza	0	0
Falk Turnkey	1	1
Martin Fine Villas	0	0
Total	3	3

The controllers are external to the vending machines, and do not require vendor maintenance. Since the controllers are external to the existing vending machines, if any machines are replaced, transfer of the controller can be easily made.

The scope of work shall include installation of the new controllers. Existing power wiring shall be reused, unless otherwise noted.

It is assumed that all existing wiring is in good condition and code compliant. This scope of work excludes any repair or replacement of deficient wiring.

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ECM 7: Install Energy Management System

Ameresco shall install a new Trane Tracer BAS System, or equal, to control the new proposed HVAC equipment included at the Ward Tower ALF development in accordance with the scope of work below.

New proposed HVAC equipment at the Ward Tower ALF:

- Five (5) new Heat Pumps (HPs) and ancillary equipment
- Five (5) new Roof Top Units (RTUs) serving the dinning and kitchen area.

Scope of Work

Install new a new web-based Trane Tracer BAS System, or equal. Include program of DDC system per the scope of work below and Table 7.1.

The controls for the new HPs shall include the following:

CONDENSER WATER SYSTEM CONTROLS

- Cooling Tower Supply Temperature
- Cooling Tower Return Temperature
- Heat Exchanger Entering and Leaving CWS and CWR Temperature Sensors (Heat Pump Side)
- Heat Exchanger Entering and Leaving CWS and CWR Temperature Sensors (Cooling Tower Side)
- Outside Air Temperature Sensor
- Outside Air Humidity Sensor
- CT Loop CW Pump 1 Status Switch
- CT Loop CW Pump 1 Start/Stop
- HP Loop CW Pump 1 Status Switch
- HP Loop CW Pump 1 Start/Stop
- Cooling Tower Status
- Cooling Tower Start/Stop
- Cooling Tower VFD Control
- BACNet DDC Controller

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WATER COOLED HEAT PUMP CONTROLS, TYPICAL OF AHU-01, AHU-02, AHU-03, AHU-04, AHU-05

- Fan Start/Stop
- Fan Status Switch
- Supply Air Temperature
- Space Air Temperature
- Cooling Stage Control
- Space Carbon Dioxide (CO2) Sensor
- Outside Air Damper and Modulating Actuator
- BACNet DDC Controller

LAUNDRY AND RESTROOM EXHAUST FAN CONTROLS, TYPICAL OF 2

- Fan Start/Stop
- Fan Status Switch
- Ceiling Occupancy Sensors (total of 5)
- BACNet DDC Controller

The controls for the new RTUs shall include the following:

VAV ROOFTOP UNIT CONTROLS, TYPICAL OF RTU-6A, RTU-6B, RTU-6C, RTU-6D, RTU-7

Interface to RTU BACNet controller (controller provided as part of ECM10)

Table 7.1: Proposed DDC Points

					Direct Control							
Facility	Unit No.	Type	Servicing	BACNet	On/Off	Status	AI	DI	AO	DO	Comp	DCV
Ward ALF Tower	AHU-01	Water Cooled Heat Pump	Grd Flr		x	x	T				2	x
	AHU-02	Water Cooled Heat Pump	2nd Flr		x	x	T				2	x
	AHU-03	Water Cooled Heat Pump	3rd Flr		x	x	T				2	x
	AHU-04	Water Cooled Heat Pump	4th Flr		x	x	T				2	x
	AHU-05	Water Cooled Heat Pump	5th Flr		x	x	T				2	x
	Occupancy	Motion Censor	DCV					5				x
	O.A. Damper	Damper and Damper Actuator	DCV					5				x
	CO2	Space CO2 Sensor	DCV					5				x
	EFs	Exhaust Fans on Roof	DCV		x					2		x

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	CT-1	Cooling Tower VFD	CT-1		x		T		x			
	HX-1	Temperature sensors	CT (hot, cold) HP (hot, cold)				4					
	CWP-1	Condenser Water Pump (HP Loop)	Heat Pumps Pumps		x	x						
	CTP-1	Condenser Water Pump (CT Loop)	Cooling Tower Pumps		x	x						
Ward ALF Dinning	RTU-6A	McQuay VAV RTU	Dining	x								
	RTU-6B	McQuay VAV RTU	Dining	x								
	RTU-6C	McQuay VAV RTU	Dining	x								
	RTU-6D	McQuay VAV RTU	Dining	x								
	RTU-7	McQuay VAV RTU	Kitchen	x								

Exclusions

- Abatement of lead paint except as called for above, and abatement of any asbestos or other hazardous materials.
- Repair of existing deficiencies in pipe or mechanical equipment not to be replaced under this measure.
- Building code upgrades.
- Repair of existing ductwork or control wires.
- Smoke control sequences, material or labor.
- Firefighter's Smoke Control System Override Panel.
- AHU Fire Alarm Shutdown.
- Provision, control and wiring of Fire, Smoke, or combination Fire-Smoke dampers, actuators, and/or end-switches.
- Dampers/damper actuators not integral to the HVAC equipment and/or associated wiring.
- Smoke detectors and/or associated smoke detector wiring.
- Firestats
- Ethernet connection to Building Controllers.
- Any scope of work not specifically outlined above.

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ECM 9: Install Water Cooled Heat Pumps

Ameresco shall replace the five split DX units with water source Heat Pumps (HPs) serving Ward Tower ALF. The new system shall include a Cooling Tower (CT), Heat Exchanger (HX), pumps for the HP loop and CT loop and all necessary equipment and piping.

The system shall consist of the following equipment (or equivalent): 1) **HPs** - Trane GEVE, 2) **CT** - Protech PCT-80, 3) **Pumps** – Amstrong 4382, 4) **HX** – Amstrong S-X19-500-61.

The equipment capacity and minimum efficiency is summarized on Table 9.2.

Table 9.2: Proposed HVAC Equipment (Summary)

Unit No	Floor	Capacity		Minimum Proposed Efficiency (EER)
		Tons	CFM	
HP-01	1st	13.8	3,054	14.8
HP-02	2nd	10	2,503	14.8
HP-03	3rd	10	2,503	14.8
HP-04	4th	10	2,503	14.8
HP-05	5th	12.8	2,746	14.8
CT-1	all	2	HP	VFD
CTP-1,2	all	5	HP	2.6 bhp
CWP-1,2	all	5	HP	VFD (3.7 bhp max.)
HX-1	all	165	GPM	85/95 - 88/98

Table 9.2: HVAC Equipment (Subject to Final Design)

HVAC modifications for this ECM consist of replacing equipment with similar equipment.

Scope of Work

- Furnish and install all equipment as specified in this measure.
- Obtain all licenses, permits, and inspections required for the completion of the work.
- Transfer all manufacturers' warranties to MDPHCD.
- All installed systems shall operate trouble-free for a minimum period of three days before final acceptance of this work. Instruct MDPHCD staff in the proper operation and maintenance of all installed equipment.

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Exclusions

- Abatement of lead paint and abatement of any asbestos or other hazardous materials.
- Repair of existing deficiencies in pipe or mechanical equipment not to be replaced under this measure.
- Building code upgrades.
- ASHRAE 15 upgrades (if required).
- Repair of existing ductwork.
- Electrical switchgear upgrades.

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ECM 10: Install Variable Volume HVAC Systems

Ameresco shall replace selected HVAC equipment as summarized on table 10-2 for Ward Tower ALF.
The quantity, capacity, and efficiency of the units are summarized on table 10.2.

Table 10.2: HVAC Equipment (Summary)

Developments	No. of Units	Existing Capacity (tons)	Proposed Efficiency (EER/IEER)
Ward Tower ALF - Dinning - Kitchen RTUs	5	4 @ 12.5, 1 @ 7.5	12.3/18.6

Table 10.2: HVAC Equipment (Subject to Final Design)

Proposed Conditions

Ward Towers ALF Community Building (Dining and Kitchen):

Ameresco shall replace the five RTUs with similar units that use variable speed compressor, variable speed evaporator fan, and variable speed condenser fan. The proposed units for the Dining (Quantity 4) are Daikin McQuay VAV RTU model DPS 012 with a minimum full load efficiency of 1.0 kW/ton (compressor only 0.8 kW/ton). The proposed unit for the Kitchen (Quantity 1) is a Daikin McQuay VAV RTU model DPS 007 with a minimum full load efficiency of 1.0 kW/ton (compressor only 0.8 kW/ton). No VAV boxes will be added to the system but the unit will be operated in a variable volume mode responding to space temperature demand.

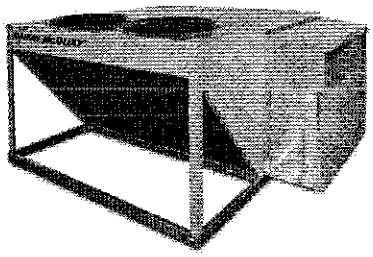

Figure 10.7: Proposed Variable Speed, Variable Volume McQuay RTUs

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ECM 11: Replace Windows

Ameresco shall replace a total of 1,258 existing windows at the affected sites with new single glazing high impact (hurricane resistant) windows of similar configuration, but with low-emissivity coating. These sites include: Little River Plaza, Palm Court, Lemon City, and Edison Plaza Elderly. The only site receiving non-impact windows is Helen Sawyer ALF, which has adequate high impact shutter protection.

At Helen Sawyer ALF, Ameresco proposes to replace 120 existing balcony sliding doors with new double-glazed tinted sliding doors.

The new windows for the above mentioned developments, with the exception of Halen Sawyer ALF, will consist of single layer impact glass with a shading coefficient of 0.45 and a U-Value of 0.86 Btu/hr-sq ft °F. The windows at Halen Sawyer ALF will consist of standard double glass with a shading coefficient of 0.6 and a U-Value of 0.8 Btu/hr-sq ft °F.

The new windows will be ES Windows, or equal. Ameresco has selected windows with a white exterior finish and white interior finish to better match the existing building trim.

Scope of Work

Ameresco shall replace the existing windows at the affected sites with new windows in accordance with the scope of work below.

- Quantities of each window type are as shown in the Tables 11.2a to 11.2g. Note: Window dimensions shown in table below represent total width and height of the rough opening (RO) as gathered during the development of the audit. Ameresco shall confirm exact dimensions prior to ordering materials.

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Table 11.2a: Little River:

MARK	W (in.)	H (in.)	Qty
A	63	53	20
AA	77	87.5	1
B	74	50	95
C	53	50	95
D	111	50	10
E	37	50	10
F	53	60	5
G	111	60	5
X	144	84	1
Total New Windows			242

Table 11.b: Palm Court:

MARK	W (in.)	H (in.)	Qty
A	74	55	102
B	53	55	36
C	30	38	90
D	30	38	72
E	80	96	1
Total New Windows			301

Table 11.2c: Lemon City

MARK	W (in.)	H (in.)	Qty
A	55	55	40
B	75	55	104
C	30	30	104
D	30	40	96
E	37	94	4
F	135	95	1
G	35	25	2
H	111	27	6
Total New Windows			357

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Table 11.2d: Edison Plaza

MARK	W (in.)	H (in.)	Qty
A	55	63	7
B	83	98	1
C	144	85	1
D	45	63	12
D-1	45	36	12
E	50	63	12
F	20	98	24
G	55	65	84
G3	39	98	84
H	120	96	1
Total New Windows			238

Table 11.2e: Helen Sawyer

MARK	W (in.)	H (in.)	Qty
A	72	80	120

- Provide and install new, windows in rough openings in accordance with manufacturer's specifications and Miami-Dade building codes. Window products are to meet minimum specifications listed under section titled *Window Specifications*, below.
    - Windows to be installed, plumb and square
    - Apply interior and exterior Miami-Dade County approved sealant between the windows and structure
    - Remove labels or other foreign matter from frames and glazings and wipe clean all new windows with a window cleaning solution to provide a neat and finished appearance
- Work shall occur in occupied apartments during normal business hours

Window specifications:

- New windows shall comply with all applicable codes, including wind load and egress codes

- Windows shall meet structural strength requirements determined under the Miami-Dade Building Code ASCE 7-10 FBC 2010 Edition
  - Basic wind speed: 175 MPH
  - Risk Factor: II
  - Exposure Category: C

- Frame: Aluminum.
- Glazing: Low-E coating.
- Exceptions: Helen Sawyer ALF (regular non-impact double pane glass)

Exclusions

- Identification and abatement of lead paint, asbestos or other hazardous materials.
- Repairs to existing structural damage of existing window openings.
- Building code upgrades.
- Provisions and installation of automatic door openings systems is excluded.

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ECM 12: Convert Electric Dryers to Gas

Ameresco shall replace the existing electric dryers with gas-fired dryers at the sites shown on table 12.1. Other sites were also considered for new gas dryers, including Parkside I and II, Smathers Plaza, and Three Round Towers, but the cost to run gas to these central laundry facilities proved too costly. The new gas-fired dryers will have the same capacity as the existing dryers, but have a heat output the same or higher than the existing electric dryers, resulting in similar or shorter drying cycles.

As part of this measure, Ameresco shall pipe natural gas to the new dryers from the existing service and modify the electric circuits and receptacles as necessary in the laundry rooms as required for the reduced electric load. Ameresco will provide new vent pipes where existing vent pipes cannot be reused. Ameresco will reuse existing vent holes for dryers.

Ameresco has not included any appliance costs or vendor fees associated with replacing the existing electric dryers with gas dryers at any of the central laundry sites, as laundry equipment vendors are usually amenable to swapping the dryers at no cost. (However, some vendors require a revised or new lease be executed as condition of this swap-out.) Ameresco will provide the necessary support to MDPHCD to coordinate specification and installation of the new appliances.

The new gas dryers will provide the same or better clothes drying capacity at a reduced cost compared to the existing electric dryers. It is anticipated that tenants will be pleased by the drying effectiveness of the new gas dryers.

Scope of Work

Overview:
For each laundry room Ameresco shall perform all electrical and gas supply installation work necessary to allow for replacement of the existing electric dryers with new gas clothes dryers. Existing dryers shall be removed by others and new dryers shall be provided by others under the direction of MDPHCD who will lease the new dryers. Ameresco shall install additional piping as required to extend a gas supply line to the dryer locations and re-use existing electric circuits for the new dryers with modifications as required per code. Ameresco shall install new dryer venting as specified below.

Plumbing:
Provide and install natural gas supply piping from existing gas line to the new clothes dryers (provided by others) and to be positioned in the same location as the current electric dryers in existing laundry room.

Venting:
Provide new vents and reuse existing vent holes for dryers.

Electrical:
Use existing electrical circuits for new gas dryers with potential modifications as-required for reduced dryer electrical demands.

Table 12.1: Dryer Conversion Details

Development	Dryer Qty
Ward ALF	10
Palm Towers	3
Little River Plaza	2
Peter's Plaza	4
Wynwood Elderly	3
Abe Arronovitz	2

Exclusions:

- Ameresco does not expect to encounter hazardous materials while implementing this measure, however, any services required by the presence of hazardous materials are not included as part of this measure.
- Repair of existing deficiencies in pipe or mechanical equipment not to be replaced under this measure.
- Building code upgrades.

ECM 13: Upgrade Exterior Area Lighting

Ameresco shall retrofit apartment lighting systems in accordance with the Exterior Area Lighting Audit presented in Attachment 2.

The scope of work shall include removal of the existing equipment and installation of the new equipment in accordance with the above referenced lighting audits, proper disposal of all job site waste, including any hazardous waste, and job-site cleanup. Existing power wiring and controls shall be reused, unless otherwise noted in the lighting audit.

It is assumed that all existing wiring is in good condition and code compliant. This scope of work excludes any repair or replacement of deficient wiring.

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ECM 14: Install Lighting Controls

Ameresco shall install new lighting controls in accordance with the lighting audit presented in Attachment 2.

Project wide, Ameresco shall install 75 local lighting controls employing a variety of strategies, each of which is customized to the unique space. Ameresco selected appropriate areas that contain several controllable fixtures, which have intermittent occupancy, and where a safety hazard will not be created if the sensor inadvertently turns the lights off.

It is assumed that all existing wiring is in good condition and code compliant. This scope of work excludes any repair or replacement of deficient wiring.

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APPENDIX C
CONSTRUCTION FINANCING AGREEMENT

CONSTRUCTION FINANCING AGREEMENT
[RESERVED FOR CONSTRUCTION FINANCING AGREEMENT UPON EXECUTION]

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Cash Flow Projection

MDPHCD

Revised 7/23/15

Base Use and Rates

	Electric (kWh)	Gas (therms)	Water (CCF)	Tenant Allowances
Base Use	16,636,105	245,462	828,074	$5,064,588
2013 Rates	$0.0764	$1.0750	$7.9209	-
Escalation	3.00%	3.00%	3.00%	3.00%

Master Metered Savings Projection

	Electric (kWh)	Gas (therms)	Water (CCF)
Consumption	1,535,335	24,728	142,339
2013 Rates	$0.0815	$1.1139	$7.8743
Escalation	3.00%	3.00%	3.00%
2017 Rates	$0.0918	$1.2537	$8.8626
Savings-1st Year	$150,061	$31,000	$1,261,493

Cash Flow Data

Project Funding	
Project Cost	$ 18,594,069
Construction Loan Interest	$ 1,187,787
Utility Rebates	$ 335,833
Additional Contingency	$ 500,000
Customer Cost Contribution	$ -
Tax-exempt Lease	$ 19,946,023
Construction Term (months)	24
Finance Term (yrs)	14
Finance Rate	3.50%

Resident Paid Savings Projection

	Electric (kWh)	Gas (therms)	Water (CCF)
Consumption	4,190,886	41,116	26,953
2013 Rates	$0.1073	$1.1734	$4.8390
Escalation	3.00% All Tenant Paid Rates		
2017 Rates	$0.1208	$1.3206	$5.4484
Savings-1st Year	$506,253	$54,298	$146,798

Year	Base Electric Bill	Base Gas Bill	Base Water Bill	Tenant Allowances	Total Utilities & Allowances
2017	$ 1,466,503	$ 287,000	$ 7,382,276	$ 5,700,239	$ 14,848,120
2018	$ 1,512,661	$ 305,910	$ 7,603,745	$ 5,871,246	$ 15,293,563
2019	$ 1,558,041	$ 315,087	$ 7,831,858	$ 6,047,383	$ 15,752,370
2020	$ 1,604,782	$ 324,540	$ 8,066,814	$ 6,228,805	$ 16,224,941
2021	$ 1,652,926	$ 334,276	$ 8,308,819	$ 6,415,669	$ 16,711,689
2022	$ 1,702,513	$ 344,304	$ 8,558,083	$ 6,608,139	$ 17,213,040
2023	$ 1,753,589	$ 354,634	$ 8,814,826	$ 6,806,383	$ 17,729,431
2024	$ 1,806,196	$ 365,273	$ 9,079,271	$ 7,010,575	$ 18,261,314
2025	$ 1,860,382	$ 376,231	$ 9,351,649	$ 7,220,892	$ 18,809,154
2026	$ 1,916,194	$ 387,518	$ 9,632,198	$ 7,437,519	$ 19,373,428
2027	$ 1,973,680	$ 399,143	$ 9,921,164	$ 7,660,644	$ 19,954,631
2028	$ 2,032,890	$ 411,118	$ 10,218,799	$ 7,890,463	$ 20,553,270
2029	$ 2,093,877	$ 423,451	$ 10,525,363	$ 8,127,177	$ 21,169,868
2030	$ 2,156,693	$ 436,155	$ 10,841,124	$ 8,370,993	$ 21,804,964
Total	$ 25,093,026	$ 5,074,639	$ 126,135,994	$ 97,396,125	$ 253,699,785

Electric Savings	Gas Savings	Water Savings	Resident Paid Savings	Total Savings
$ 150,061	$ 31,000	$ 1,261,493	$ 707,349	$ 2,149,904
$ 154,563	$ 31,930	$ 1,299,336	$ 728,570	$ 2,214,401
$ 159,200	$ 32,888	$ 1,338,316	$ 750,427	$ 2,280,833
$ 163,976	$ 33,874	$ 1,378,468	$ 772,940	$ 2,349,258
$ 168,895	$ 34,890	$ 1,419,822	$ 796,126	$ 2,419,735
$ 173,962	$ 35,937	$ 1,462,416	$ 820,012	$ 2,492,328
$ 179,181	$ 37,015	$ 1,506,289	$ 844,612	$ 2,567,097
$ 184,557	$ 38,126	$ -1,551,476	$ 869,950	$ 2,644,110
$ 190,093	$ 39,269	$ 1,598,022	$ 896,049	$ 2,723,434
$ 195,796	$ 40,448	$ 1,645,963	$ 922,930	$ 2,805,137
$ 201,670	$ 41,661	$ 1,695,341	$ 950,618	$ 2,889,291
$ 207,720	$ 42,911	$ 1,746,202	$ 979,137	$ 2,975,969
$ 201,070	$ 44,198	$ 1,800,174	$ 1,008,511	$ 3,053,953
$ 207,102	$ 45,524	$ 1,854,179	$ 1,038,766	$ 3,145,572
$ 2,537,847	$ 523,871	$ 21,557,503	$ 12,088,000	$ 36,711,020

Debt Payment	Ameresco Annual Fees	Incremental Maintenance Costs	Savings Minus Debt, Fees, Maint.	Debt, Fees, Plus Maint. As % of Savings
$ 1,515,062	$ 152,527	$ 184,320	$ 297,995	86%
$ 1,569,514	$ 157,103	$ 189,849	$ 306,935	86%
$ 1,607,329	$ 161,816	$ 195,545	$ 316,143	86%
$ 1,655,549	$ 166,670	$ 201,411	$ 325,627	86%
$ 1,705,216	$ 171,671	$ 207,453	$ 335,396	86%
$ 1,756,372	$ 176,821	$ 213,677	$ 345,458	86%
$ 1,809,063	$ 182,125	$ 220,087	$ 355,822	86%
$ 1,863,335	$ 187,589	$ 226,690	$ 366,496	86%
$ 1,919,235	$ 193,217	$ 233,491	$ 377,491	86%
$ 1,976,812	$ 199,013	$ 240,495	$ 388,816	86%
$ 2,036,117	$ 204,984	$ 247,710	$ 400,480	86%
$ 2,097,200	$ 211,133	$ 255,141	$ 412,495	86%
$ 2,152,156	$ 217,467	$ 259,676	$ 424,652	86%
$ 2,216,721	$ 223,991	$ 267,466	$ 437,391	86%
$ 25,870,681	$ 2,606,127	$ 3,143,916	$ 5,091,196	86%

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES

Miami-Dade Public Housing Authority

Site/Project #: Gwen Cherry 23
AMP #: 831
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			441	727	512	560	0	0.0%	560
August			446	568	560	530	0	0.0%	530
September			521	576	560	562	0	0.0%	562
October			488	596	540	541	0	0.0%	541
November			516	621	567	548	0	0.0%	548
December			645	706	651	625	0	0.0%	625
January			615	755	918	964	0	0.0%	964
February			537	513	511	547	0	0.0%	547
March			475	579	484	513	0	0.0%	513
April			540	572	585	542	0	0.0%	542
May			545	520	493	518	0	0.0%	518
June			517	544	365	472	0	0.0%	472
Total	0	0	6,276	7,441	6,710	6,535	0	0.0%	6,535

Site/Project #: Gwen Cherry 22
AMP #: 831
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Gwen Cherry 22
AMP #: 831
Utility/Units: Water & Sewer/CCF
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			266	84	84	102	-38	-59.0%	64
August			314	40	40	134	-91	0.0%	43
September			387	72	98	176	-106	-60.2%	70
October			318	77	75	177	-103	-57.0%	74
November			316	61	64	147	-85	0.0%	62
December			264	30	40	136	-74	-54.7%	62
January			48	52	72	57	5	8.1%	62
February			36	57	40	57	13	21.9%	70
March			40	59	65	55	7	12.4%	62
April			44	56	60	54	5	8.5%	60
May			51	55	70	56	4	6.8%	60
June			63	85	62	70	4	5.9%	74
Total	0	0	2,268	734	810	1,201	-490	-29.5%	764

Site/Project #: Gwen Cherry 29
AMP #: 831
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,677	1,749	1,428	1,618	0	0.0%	1,618
August			1,715	1,834	1,426	1,577	0	0.0%	1,577
September			1,734	1,774	1,561	1,700	0	0.0%	1,700
October			1,905	2,166	1,579	1,801	0	0.0%	1,801
November			1,836	2,412	1,562	1,823	0	0.0%	1,823
December			2,253	2,224	1,572	1,884	0	0.0%	1,884
January			2,458	2,223	1,866	2,246	0	0.0%	2,246
February			2,000	1,925	1,578	1,809	0	0.0%	1,809
March			1,835	1,785	1,612	1,744	0	0.0%	1,744
April			1,800	1,748	1,435	1,710	0	0.0%	1,710
May			1,747	1,743	1,468	1,519	0	0.0%	1,519
June			1,454	1,431	1,390	1,529	0	0.0%	1,529
Total	0	0	22,767	23,215	18,176	21,249	0	0.0%	21,249

Site/Project #: Gwen Cherry 29
AMP #: 831
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Gwen Cherry 29
AMP #: 831
Utility/Units: Water & Sewer/CCF
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			79	83	60	74	0	0.0%	74
August			91	67	66	86	0	0.0%	68
September			74	72	58	78	0	0.0%	78
October			67	87	60	73	0	0.0%	73
November			66	63	49	59	0	0.0%	59
December			105	62	47	74	0	0.0%	71
January			83	84	67	78	0	0.0%	78
February			90	69	264	118	0	0.0%	118
March			66	74	60	67	0	0.0%	67
April			79	72	54	66	0	0.0%	66
May			96	66	50	71	0	0.0%	71
June			71	100	56	76	0	0.0%	76
Total	0	0	969	900	871	899	0	0.0%	899

Site/Project #: Newberg
AMP #: 831
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			17,740	32,060	21,220	26,215	0	0.0%	26,215
August			18,480	32,450	23,920	21,613	0	0.0%	21,613
September			18,480	29,760	23,400	21,573	0	0.0%	21,573
October			17,240	29,800	18,860	19,307	0	0.0%	19,307
November			13,480	19,540	16,660	16,973	0	0.0%	16,973
December			14,720	18,360	15,040	15,707	0	0.0%	15,707
January			13,040	15,360	15,360	15,920	0	0.0%	15,920
February			12,840	15,120	15,360	14,440	0	0.0%	14,440
March			13,600	19,760	15,320	15,560	0	0.0%	15,560
April			16,560	22,400	17,600	17,853	0	0.0%	17,853
May			21,120	21,280	17,600	20,013	0	0.0%	20,013
June			22,560	22,640	20,640	21,747	0	0.0%	21,747
Total	0	0	201,160	320,760	237,960	236,926	0	0.0%	236,926

Site/Project #: Newberg
AMP #: 831
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Newberg
AMP #: 831
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			36	21	0	19	0	0.0%	19
August			7	17	476	174	0	0.0%	174
September			14	14	7	12	0	0.0%	12
October			8	14	7	10	0	0.0%	10
November			8	25	176	86	0	0.0%	86
December			12	6	3	8	0	0.0%	8
January			10	8	6	8	0	0.0%	8
February			22	68	22	37	0	0.0%	37
March			37	8	7	17	0	0.0%	17
April			10	7	11	12	0	0.0%	12
May			8	345	275	269	0	0.0%	269
June			12	3	5	8	0	0.0%	8
Total	0	0	196	550	1,015	662	0	0.0%	662

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project # Lemon City
AMP # 821
Utility/Units Electricity/KWH
HUD Incentive ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjust-ments to Baseline	% Adjustment	Contract Baseline
July			77,884	78,985	76,485	77,786	0	0.0%	77,786
August			76,609	71,324	71,385	73,106	0	0.0%	73,106
September			76,691	71,885	80,395	76,105	0	0.0%	76,105
October			71,698	48,097	43,407	67,067	0	0.0%	67,067
November			65,825	50,360	48,208	54,798	0	0.0%	54,798
December			49,891	45,415	45,818	46,808	0	0.0%	46,808
January			63,827	48,788	46,455	53,023	0	0.0%	53,023
February			39,688	38,528	39,409	39,274	0	0.0%	39,274
March			44,459	37,788	43,298	41,849	0	0.0%	41,849
April			38,816	61,136	47,588	45,793	0	0.0%	45,793
May			51,162	55,087	45,648	50,632	0	0.0%	50,632
June			64,404	62,583	65,135	64,041	0	0.0%	64,041
Total	0	0	729,459	677,058	672,483	690,271	0	0.0%	690,271

Site/Project # Lemon City
AMP # 821
Utility/Units Natural Gas/Therms
HUD Incentive ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjust-ments to Baseline	% Adjustment	Contract Baseline
July			624	675	595	631	0	0.0%	631
August			678	650	570	633	0	0.0%	633
September			585	621	618	608	0	0.0%	608
October			575	723	566	621	0	0.0%	621
November			763	712	783	753	0	0.0%	753
December			764	776	656	732	0	0.0%	732
January			716	838	759	771	0	0.0%	771
February			891	814	796	867	0	0.0%	867
March			811	825	776	804	0	0.0%	804
April			875	729	879	879	0	0.0%	829
May			998	646	753	799	0	0.0%	799
June			567	705	799	689	0	0.0%	689
Total	0	0	8,947	8,744	8,550	8,747	0	0.0%	8,747

Site/Project # Lemon City
AMP # 821
Utility/Units Water & Sewer/CCF
HUD Incentive FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjust-ments to Baseline	% Adjustment	Contract Baseline
July			1,031	1,054	797	961	0	0.0%	961
August			791	445	618	618	0	0.0%	618
September			745	813	749	702	0	0.0%	702
October			789	530	792	705	0	0.0%	705
November			756	585	715	685	0	0.0%	685
December			910	608	686	734	0	0.0%	734
January			1,014	711	753	826	0	0.0%	826
February			722	847	712	794	0	0.0%	794
March			905	924	675	835	0	0.0%	835
April			1,051	834	735	873	0	0.0%	873
May			955	795	1,056	935	0	0.0%	935
June			1,054	1,046	857	986	0	0.0%	986
Total	0	0	10,723	9,095	9,154	9,657	0	0.0%	9,657

Site/Project # Ward Towers
AMP # 822
Utility/Units Electricity/KWH
HUD Incentive FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjust-ments to Baseline	% Adjustment	Contract Baseline
July			41,306	44,804	43,647	43,252	0	0.0%	43,252
August			42,069	41,222	37,883	40,331	0	0.0%	40,331
September			42,069	42,461	43,301	42,610	0	0.0%	42,610
October			42,249	45,987	34,872	41,029	0	0.0%	41,029
November			41,025	37,031	28,435	35,497	0	0.0%	35,497
December			34,418	34,769	30,285	33,157	0	0.0%	33,157
January			37,414	34,184	27,678	33,092	0	0.0%	33,092
February			30,167	29,959	23,598	27,871	0	0.0%	27,871
March			29,924	31,509	26,475	29,302	0	0.0%	29,302
April			28,748	40,143	27,081	31,991	0	0.0%	31,991
May			31,546	37,571	28,021	31,713	0	0.0%	31,713
June			37,585	37,351	33,149	36,018	0	0.0%	36,018
Total	0	0	438,548	456,830	382,215	425,865	0	0.0%	425,865

Site/Project # Ward Towers
AMP # 822
Utility/Units Natural Gas/Therms
HUD Incentive FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjust-ments to Baseline	% Adjustment	Contract Baseline
July			762	611	757	709	0	0.0%	709
August			772	853	817	814	0	0.0%	814
September			775	670	710	718	0	0.0%	718
October			823	780	733	779	0	0.0%	779
November			787	1,131	817	912	0	0.0%	912
December			867	1,051	805	908	0	0.0%	908
January			1,265	1,141	968	1,125	0	0.0%	1,125
February			1,206	563	847	1,004	0	0.0%	1,004
March			1,105	906	800	947	0	0.0%	947
April			891	849	481	907	0	0.0%	907
May			919	972	844	895	0	0.0%	895
June			795	814	805	805	0	0.0%	805
Total	0	0	11,059	10,734	9,773	10,522	0	0.0%	10,522

Site/Project # Ward Towers
AMP # 822
Utility/Units Water & Sewer/CCF
HUD Incentive FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjust-ments to Baseline	% Adjustment	Contract Baseline
July			770	1,041	608	806	0	0.0%	806
August			723	738	660	730	0	0.0%	730
September			871	1,046	697	803	0	0.0%	803
October			758	813	649	740	0	0.0%	740
November			707	815	672	730	0	0.0%	730
December			778	732	769	759	0	0.0%	759
January			784	723	757	755	0	0.0%	755
February			701	637	676	636	0	0.0%	636
March			723	735	638	698	0	0.0%	698
April			690	657	652	666	0	0.0%	666
May			682	671	652	668	0	0.0%	668
June			900	669	673	747	0	0.0%	747
Total	0	0	9,197	9,726	7,996	8,840	0	0.0%	8,840

Site/Project # Ward Towers ALF
AMP # 817
Utility/Units Electricity/KWH
HUD Incentive FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjust-ments to Baseline	% Adjustment	Contract Baseline
July			156,480	160,080	153,120	156,560	0	0.0%	156,560
August			130,290	141,600	145,200	140,000	0	0.0%	140,000
September			161,380	142,320	170,640	151,440	0	0.0%	151,440
October			140,400	151,920	143,280	145,200	0	0.0%	145,200
November			148,400	124,080	126,480	132,320	0	0.0%	132,320
December			119,520	114,480	128,160	120,720	0	0.0%	120,720
January			108,480	100,800	114,960	108,080	0	0.0%	108,080
February			94,560	90,120	104,640	97,440	0	0.0%	97,440
March			90,120	98,840	124,080	105,680	0	0.0%	105,680
April			90,960	123,120	122,880	112,320	0	0.0%	112,320
May			113,280	123,360	119,520	118,720	0	0.0%	118,720
June			142,080	135,360	151,680	143,040	0	0.0%	143,040
Total	0	0	1,473,840	1,510,080	1,610,640	1,531,520	0	0.0%	1,531,520

Site/Project # Ward Towers ALF
AMP # 817
Utility/Units Natural Gas/Therms
HUD Incentive NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjust-ments to Baseline	% Adjustment	Contract Baseline
July			238	285	585	370	65	17.7%	436
August			382	378	603	454	36	7.8%	490
September			241	628	618	489	124	25.3%	613
October			453	771	646	623	85	13.7%	709
November			247	788	769	601	177	29.5%	779
December			435	868	700	668	116	17.4%	784
January			173	894	712	567	193	34.6%	758
February			197	694	681	517	160	31.0%	678
March			405	676	752	611	103	18.9%	714
April			394	565	823	594	100	16.8%	694
May			930	618	657	768	0	0.0%	769
June			404	645	525	525	0	0.0%	525
Total	0	0	4,400	7,700	8,249	6,783	1,162	17.1%	7,945

Site/Project # Ward Towers ALF
AMP # 817
Utility/Units Water & Sewer/CCF
HUD Incentive FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjust-ments to Baseline	% Adjustment	Contract Baseline
July			229	377	308	305	0	0.0%	306
August			199	212	299	237	0	0.0%	237
September			229	314	302	282	0	0.0%	282
October			288	282	307	292	0	0.0%	292
November			168	344	302	278	0	0.0%	278
December			270	299	313	294	0	0.0%	294
January			263	279	370	297	0	0.0%	297
February			137	285	286	237	0	0.0%	237
March			254	311	300	288	0	0.0%	288
April			405	305	319	340	0	0.0%	340
May			292	317	331	313	0	0.0%	313
June			335	340	393	356	0	0.0%	356
Total	0	0	3,096	3,660	3,773	3,511	0	0.0%	3,511

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: Emerson Townhouse
AMP #: 021
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,447	1,658	2,252	1,786	0	0.0%	1,786
August			1,488	1,480	1,780	1,583	0	0.0%	1,583
September			1,542	1,467	2,451	1,820	0	0.0%	1,820
October			1,407	1,415	2,272	1,698	0	0.0%	1,698
November			1,546	1,900	1,998	1,820	0	0.0%	1,820
December			1,975	1,882	2,218	1,982	0	0.0%	1,982
January			1,947	2,271	2,360	2,206	0	0.0%	2,206
February			1,987	1,895	2,167	1,950	0	0.0%	1,950
March			1,616	1,536	2,345	1,864	0	0.0%	1,864
April			1,935	2,184	2,173	1,968	0	0.0%	1,968
May			1,563	2,121	2,220	1,948	0	0.0%	1,948
June			1,506	2,219	2,264	2,007	0	0.0%	2,007
Total	0	0	18,193	22,528	26,795	22,838	0	0.0%	22,838

Site/Project #: Emerson Townhouse
AMP #: 021
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
TOTAL	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Emerson Townhouse
AMP #: 021
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			348	359	321	321	0	0.0%	321
August			361	374	298	365	0	0.0%	365
September			254	275	347	292	0	0.0%	292
October			251	267	287	302	0	0.0%	302
November			291	256	362	306	0	0.0%	306
December			361	300	294	354	0	0.0%	354
January			354	284	409	345	0	0.0%	345
February			150	245	288	257	0	0.0%	257
March			173	359	270	246	0	0.0%	246
April			172	348	340	253	0	0.0%	253
May			183	224	376	244	0	0.0%	244
June			176	376	318	272	0	0.0%	272
Total	0	0	3,073	3,543	4,009	3,438	0	0.0%	3,438

Site/Project #: Kline Nunn
AMP #: 023
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			2,656	2,767	2,252	2,355	0	0.0%	2,355
August			1,918	2,763	1,780	2,153	0	0.0%	2,153
September			1,885	2,842	2,451	2,367	0	0.0%	2,367
October			1,814	2,748	2,273	2,210	0	0.0%	2,210
November			1,721	2,451	1,998	2,124	0	0.0%	2,124
December			1,804	3,050	2,218	2,497	0	0.0%	2,497
January			2,301	3,090	2,360	2,953	0	0.0%	2,953
February			2,182	1,920	2,167	2,099	0	0.0%	2,099
March			1,874	2,057	2,345	2,092	0	0.0%	2,092
April			1,870	2,290	2,173	2,054	0	0.0%	2,054
May			2,252	1,569	2,220	2,010	0	0.0%	2,010
June			2,019	2,656	2,264	2,473	0	0.0%	2,473
Total	0	0	24,133	29,394	26,795	26,563	0	0.0%	26,563

Site/Project #: Kline Nunn
AMP #: 023
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Kline Nunn
AMP #: 023
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			218	239	134	200		0.0%	200
August			200	142	171	171		0.0%	171
September			243	225	168	216		0.0%	216
October			260	188	225	210		0.0%	210
November			192	185	353	224		0.0%	224
December			272	156	334	242		0.0%	242
January			250	135	261	214		0.0%	214
February			235	151	222	204		0.0%	204
March			311	149	233	231		0.0%	231
April			201	132	283	205		0.0%	205
May			189	127	238	182		0.0%	182
June			182	156	274	237		0.0%	237
Total	0	0	2,585	1,922	3,026	2,551	0	0.0%	2,551

Site/Project #: Little River Plaza
AMP #: 023
Utility/Units: Electricity/KWH
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			95,019	109,694	95,623	94,045	0	0.0%	94,045
August			98,039	94,939	93,178	93,782	0	0.0%	93,782
September			94,206	93,884	95,590	95,093	0	0.0%	95,093
October			97,199	89,477	81,428	93,631	0	0.0%	93,631
November			86,247	71,290	81,365	71,290	0	0.0%	71,290
December			87,309	58,797	68,806	82,643	0	0.0%	82,643
January			82,465	83,485	63,391	70,441	0	0.0%	70,441
February			53,616	51,479	53,849	53,725	0	0.0%	53,725
March			58,517	64,972	56,136	58,648	0	0.0%	58,648
April			52,929	62,616	46,511	54,717	0	0.0%	54,717
May			52,429	72,778	56,541	63,706	0	0.0%	63,706
June			82,805	79,980	83,376	81,990	0	0.0%	81,990
Total	0	0	967,241	886,555	848,336	886,911	0	0.0%	886,911

Site/Project #: Little River Plaza
AMP #: 023
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			535	535	472	514	0	0.0%	514
August			466	578	450	498	0	0.0%	498
September			514	468	474	485	0	0.0%	485
October			574	568	468	535	0	0.0%	535
November			472	622	525	540	0	0.0%	540
December			594	618	475	562	0	0.0%	562
January			481	765	482	636	0	0.0%	636
February			401	610	261	457	0	0.0%	457
March			522	595	488	537	0	0.0%	537
April			574	551	572	566	0	0.0%	566
May			845	619	583	679	0	0.0%	679
June			462	945	531	646	0	0.0%	646
Total	0	0	6,566	8,558	6,963	6,487	0	0.0%	6,487

Site/Project #: Little River Plaza
AMP #: 023
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			751	789	606	648		0.0%	648
August			618	627	538	654		0.0%	654
September			561	729	450	577		0.0%	577
October			500	574	647	540		0.0%	540
November			453	625	402	499		0.0%	499
December			476	595	424	535		0.0%	535
January			500	542	626	572		0.0%	572
February			520	572	477	568		0.0%	568
March			521	442	391	438		0.0%	438
April			307	482	406	395		0.0%	395
May			424	391	455	423		0.0%	423
June			510	498	469	469		0.0%	469
Total	0	0	6,151	6,790	5,542	6,148	0	0.0%	6,148

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

SiteProject #: Peters Place
AMP #: 029
UtilityUnits: Electricity/KWH
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			11,200	12,240	10,998	11,640	0	0.0%	11,640
August			11,760	13,300	11,870	11,980	0	0.0%	11,980
September			12,120	11,520	11,540	11,760	0	0.0%	11,760
October			10,920	9,660	9,180	9,920	0	0.0%	9,920
November			9,360	9,180	8,540	9,220	0	0.0%	9,220
December			10,560	9,180	8,820	9,560	0	0.0%	9,560
January			11,360	9,180	8,940	9,780	0	0.0%	9,780
February			9,000	8,220	7,980	8,500	0	0.0%	8,500
March			10,000	8,460	8,220	9,500	0	0.0%	9,500
April			8,040	8,580	8,340	8,980	0	0.0%	8,980
May			10,440	8,940	8,940	9,940	0	0.0%	9,940
June			11,400	10,500	9,840	10,980	0	0.0%	10,980
Total	0	0	126,400	120,180	112,980	120,920	0	0.0%	120,920

SiteProject #: Peters Place
AMP #: 029
UtilityUnits: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			525	781	657	691	0	0.0%	691
August			745	760	627	710	0	0.0%	710
September			580	581	553	591	0	0.0%	591
October			702	663	554	747	0	0.0%	747
November			684	672	542	706	0	0.0%	706
December			922	1,005	722	828	0	0.0%	828
January			722	1,002	754	832	0	0.0%	832
February			932	957	785	895	0	0.0%	895
March			1,044	894	768	905	0	0.0%	905
April			895	852	600	836	0	0.0%	836
May			926	768	742	826	0	0.0%	826
June			696	624	573	698	0	0.0%	698
Total	0	0	9,926	10,544	8,556	9,469	0	0.0%	9,469

SiteProject #: Peters Place
AMP #: 029
UtilityUnits: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,195	960	954	954		0.0%	954
August			943	938	869	740		0.0%	740
September			865	929	903	929		0.0%	929
October			769	1,064	937	969		0.0%	969
November			1,064	979	964	922		0.0%	922
December			1,094	997	940	957		0.0%	957
January			1,036	1,077	941	1,019		0.0%	1,019
February			995	1,025	918	897		0.0%	897
March			960	1,018	901	959		0.0%	959
April			921	883	742	768		0.0%	768
May			845	954	677	744		0.0%	744
June			901	1,351	793	869		0.0%	869
Total	0	0	11,588	11,994	10,574	10,434	0	0.0%	10,434

SiteProject #: Twin Lakes
AMP #: 031
UtilityUnits: Electricity/KWH
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			5,314	5,400	6,249	5,656	0	0.0%	5,656
August			6,154	5,991	7,457	6,192	0	0.0%	6,192
September			6,531	6,756	7,563	6,747	0	0.0%	6,747
October			5,000	5,470	7,815	6,362	0	0.0%	6,362
November			5,976	6,978	6,867	6,474	0	0.0%	6,474
December			6,972	6,950	6,812	6,755	0	0.0%	6,755
January			6,723	6,279	7,089	6,667	0	0.0%	6,667
February			5,546	5,873	6,155	5,903	0	0.0%	5,903
March			5,567	6,606	6,714	6,110	0	0.0%	6,110
April			6,491	5,940	6,932	6,664	0	0.0%	6,664
May			5,901	6,610	7,185	6,669	0	0.0%	6,669
June			4,851	5,107	6,759	5,599	0	0.0%	5,599
Total	0	0	70,774	71,760	82,258	74,937	0	0.0%	74,937

SiteProject #: Twin Lakes
AMP #: 031
UtilityUnits: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

SiteProject #: Twin Lakes
AMP #: 031
UtilityUnits: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			471	546	506	488	18	3.8%	506
August			501	367	540	476	64	13.4%	540
September			511	368	546	485	61	12.6%	546
October			437	447	534	472	61	13.0%	534
November			361	492	543	437	106	24.2%	543
December			441	417	531	463	68	14.7%	531
January			472	459	533	487	46	9.5%	533
February			451	483	580	508	82	16.1%	590
March			418	467	597	484	103	20.9%	587
April			371	389	519	430	82	21.7%	519
May			351	322	529	405	123	30.3%	529
June			366	426	720	504	216	42.9%	720
Total	0	0	5,133	5,119	6,598	5,545	1,041	18.4%	6,589

SiteProject #: Palm Terrace
AMP #: 034
UtilityUnits: Electricity/KWH
HUD Incentive: ARRA-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			26,154	25,126	26,212	25,164	0	0.0%	25,164
August			31,180	27,999	31,488	28,647	0	0.0%	28,647
September			27,872	25,841	29,253	27,002	0	0.0%	27,002
October			28,781	25,644	33,713	24,839	0	0.0%	24,839
November			25,978	25,668	29,978	22,792	0	0.0%	22,792
December			27,625	19,487	26,817	22,243	0	0.0%	22,243
January			25,015	19,830	26,161	21,212	0	0.0%	21,212
February			21,905	15,874	18,596	19,118	0	0.0%	19,118
March			24,882	20,767	18,276	20,318	0	0.0%	20,318
April			22,486	24,167	18,469	21,880	0	0.0%	21,880
May			24,795	21,802	18,396	21,623	0	0.0%	21,623
June			27,923	22,761	18,208	23,154	0	0.0%	23,154
Total	0	0	341,142	273,923	296,321	293,786	0	0.0%	293,786

SiteProject #: Palm Terrace
AMP #: 034
UtilityUnits: Natural Gas/Therms
HUD Incentive: ARRA-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			539	544	563	545	0	0.0%	545
August			740	1,027	622	705	0	0.0%	705
September			577	481	459	479	0	0.0%	479
October			498	583	531	523	0	0.0%	523
November			550	462	544	520	0	0.0%	520
December			807	587	548	656	0	0.0%	656
January			681	653	515	639	0	0.0%	639
February			1,014	580	669	724	0	0.0%	724
March			649	567	592	667	0	0.0%	667
April			709	549	527	623	0	0.0%	623
May			562	483	582	543	0	0.0%	543
June			370	534	464	456	0	0.0%	456
Total	0	0	7,695	7,191	6,603	7,062	0	0.0%	7,062

SiteProject #: Palm Terrace
AMP #: 034
UtilityUnits: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,123	1,150	723	956		0.0%	956
August			1,103	726	869	871		0.0%	871
September			822	1,212	865	967		0.0%	967
October			1,059	770	922	926		0.0%	926
November			787	886	1,161	945		0.0%	945
December			1,258	858	1,115	1,070		0.0%	1,070
January			1,095	758	947	935		0.0%	935
February			1,165	809	972	948		0.0%	948
March			1,052	852	1,030	911		0.0%	911
April			956	759	783	853		0.0%	853
May			927	795	780	834		0.0%	834
June			786	824	731	797		0.0%	797
Total	0	0	11,977	10,351	10,596	10,929	0	0.0%	10,929

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES

Miami-Dade Public Housing Authority

SiteProject #: Palm Court
AMP #: 826
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2009	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			55,755	56,310	56,395	56,387	0	0.0%	56,387
August			52,418	54,909	54,877	53,908	0	0.0%	53,908
September			52,481	53,827	54,980	53,769	0	0.0%	53,769
October			55,873	53,555	53,525	56,784	0	0.0%	56,784
November			46,030	44,993	45,964	44,181	0	0.0%	44,181
December			43,316	43,004	44,942	44,274	0	0.0%	44,274
January			52,580	44,998	42,686	46,757	0	0.0%	46,757
February			39,959	34,504	36,922	37,605	0	0.0%	37,605
March			35,813	39,628	38,812	38,121	0	0.0%	38,121
April			39,544	40,904	41,797	40,968	0	0.0%	40,968
May			47,809	50,271	46,255	48,112	0	0.0%	48,112
June			64,186	64,139	61,212	59,817	0	0.0%	59,817
Total	0	0	625,904	622,262	583,987	608,723	0	0.0%	608,723

SiteProject #: Palm Court
AMP #: 826
Utility/Units: Natural Gas/Therms
HUD Incentive: ADD-ON

Month	FY2009	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			490	489	562	494	0	0.0%	494
August			396	519	560	492	0	0.0%	492
September			496	469	429	474	0	0.0%	474
October			461	519	467	511	0	0.0%	511
November			465	583	577	544	0	0.0%	544
December			586	605	605	601	0	0.0%	601
January			544	761	645	617	0	0.0%	617
February			813	658	589	687	0	0.0%	687
March			577	552	525	551	0	0.0%	551
April			813	668	486	651	0	0.0%	651
May			670	548	534	584	0	0.0%	584
June			471	560	520	512	0	0.0%	512
Total	0	0	6,722	7,187	6,697	6,659	0	0.0%	6,659

SiteProject #: Palm Court
AMP #: 826
Utility/Units: Water & Sewer/CCF
HUD Incentive: FIM

Month	FY2009	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			742	641	729	764		0.0%	764
August			926	933	764	849		0.0%	849
September			581	870	846	832		0.0%	832
October			962	882	870	851		0.0%	851
November			764	735	697	715		0.0%	715
December			756	724	749	744		0.0%	744
January			697	743	671	784		0.0%	784
February			603	725	645	681		0.0%	681
March			619	698	679	671		0.0%	671
April			515	772	682	623		0.0%	623
May			529	917	662	668		0.0%	668
June			917	864	597	666		0.0%	666
Total	0	0	7,515	8,758	7,975	8,053	0	0.0%	8,053

SiteProject #: Dpa Locka Elderly
AMP #: 826
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2008	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			2,800	5,994	4,256	4,328	0	0.0%	4,328
August			2,171	5,783	4,813	3,990	0	0.0%	3,990
September			2,426	5,899	4,580	4,392	0	0.0%	4,392
October			2,296	5,975	5,819	4,711	0	0.0%	4,711
November			3,200	5,628	5,123	4,951	0	0.0%	4,951
December			2,497	5,944	5,594	5,245	0	0.0%	5,245
January			5,972	6,864	7,784	7,507	0	0.0%	7,507
February			5,626	5,258	5,964	5,696	0	0.0%	5,696
March			6,753	6,940	5,367	6,600	0	0.0%	6,600
April			5,678	5,760	5,760	5,645	0	0.0%	5,645
May			5,581	4,726	5,593	5,301	0	0.0%	5,301
June			5,471	5,259	6,049	5,580	0	0.0%	5,580
Total	0	0	54,295	64,672	63,704	63,474	0	0.0%	62,474

SiteProject #: Dpa Locka Elderly
AMP #: 826
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2008	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

SiteProject #: Dpa Locka Elderly
AMP #: 826
Utility/Units: Water & Sewer/CCF
HUD Incentive: FIM

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			126	174	181	160		0.0%	161
August			137	145	131	138		0.0%	138
September			105	134	151	127		0.0%	127
October			113	146	148	136		0.0%	136
November			208	150	158	183		0.0%	183
December			226	147	218	197		0.0%	197
January			229	165	192	186		0.0%	186
February			145	198	218	168		0.0%	168
March			163	134	168	155		0.0%	155
April			132	148	167	152		0.0%	152
May			226	176	218	189		0.0%	189
June			198	197	240	192		0.0%	192
Total	0	0	1,952	1,876	2,136	1,923	0	0.0%	1,923

SiteProject #: Edison Plaza Elderly
AMP #: 826
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2006	FY2005	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			87,123	87,196	84,408	86,246	0	0.0%	86,246
August			81,561	83,779	73,644	79,005	0	0.0%	79,005
September			80,703	72,350	78,896	72,463	0	0.0%	72,463
October			80,513	80,146	83,961	78,940	0	0.0%	78,940
November			66,278	53,400	59,048	56,394	0	0.0%	56,394
December			50,958	47,672	51,985	51,749	0	0.0%	51,749
January			58,298	46,784	52,972	53,671	0	0.0%	53,671
February			45,114	39,244	46,364	43,561	0	0.0%	43,561
March			44,124	41,648	55,257	46,341	0	0.0%	46,341
April			41,489	50,860	52,809	52,158	0	0.0%	52,158
May			64,761	55,794	50,291	56,952	0	0.0%	55,952
June			75,427	73,815	71,174	73,472	0	0.0%	73,472
Total	0	0	781,466	732,896	760,957	740,477	0	0.0%	740,477

SiteProject #: Edison Plaza Elderly
AMP #: 826
Utility/Units: Natural Gas/Therms
HUD Incentive: FIM

Month	FY2008	FY2008	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			324	341	301	322	0	0.0%	322
August			260	318	278	248	0	0.0%	248
September			289	278	256	274	0	0.0%	274
October			311	293	362	335	0	0.0%	335
November			291	363	369	341	0	0.0%	341
December			357	357	524	413	0	0.0%	413
January			481	396	487	444	0	0.0%	444
February			362	415	434	401	0	0.0%	401
March			429	411	431	426	0	0.0%	426
April			431	376	336	365	0	0.0%	365
May			521	362	464	476	0	0.0%	476
June			360	317	336	356	0	0.0%	356
Total	0	0	4,464	4,774	4,530	4,422	0	0.0%	4,422

SiteProject #: Edison Plaza Elderly
AMP #: 826
Utility/Units: Water & Sewer/CCF
HUD Incentive: FIM

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			483	500	331	438		0.0%	438
August			343	250	466	353		0.0%	353
September			386	296	355	366		0.0%	366
October			348	482	468	432		0.0%	432
November			336	336	331	335		0.0%	335
December			334	227	371	311		0.0%	311
January			587	198	487	427		0.0%	427
February			540	227	483	434		0.0%	434
March			821	342	505	522		0.0%	522
April			765	229	759	584		0.0%	584
May			270	292	952	488		0.0%	488
June			305	284	753	448		0.0%	448
Total	0	0	5,645	3,574	6,060	5,106	0	0.0%	5,106

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

SiteProject #: Palmetto Gardens
AMP #: 016
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			9,674	10,335	8,491	9,250	0	0.0%	9,250
August			7,936	8,401	8,739	8,079	0	0.0%	8,079
September			7,766	9,180	9,453	8,800	0	0.0%	8,800
October			7,519	9,731	8,192	8,141	0	0.0%	8,141
November			7,596	7,866	7,307	7,587	0	0.0%	7,587
December			7,775	7,601	7,280	7,513	0	0.0%	7,513
January			7,726	7,949	6,884	7,515	0	0.0%	7,915
February			6,546	7,172	6,948	6,872	0	0.0%	6,872
March			7,115	7,980	7,361	7,459	0	0.0%	7,459
April			7,366	8,301	7,270	7,902	0	0.0%	7,902
May			8,352	9,929	7,150	8,044	0	0.0%	8,044
June			9,758	8,280	8,991	8,958	0	0.0%	8,958
Total	0	0	90,298	102,524	89,966	97,195	0	0.0%	97,195

SiteProject #: Palmetto Gardens
AMP #: 016
Utility/Units: Natural Gas/Therms
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			221	361	295	292	0	0.0%	292
August			339	358	309	369	0	0.0%	369
September			226	317	306	750	0	0.0%	750
October			225	338	370	368	0	0.0%	368
November			277	396	321	315	0	0.0%	315
December			253	414	338	345	0	0.0%	345
January			405	485	425	462	0	0.0%	463
February			298	389	366	385	0	0.0%	385
March			393	399	348	377	0	0.0%	377
April			387	362	367	372	0	0.0%	372
May			376	374	339	359	0	0.0%	359
June			314	323	324	324	0	0.0%	324
Total	0	0	3,713	4,449	4,188	4,126	0	0.0%	4,126

SiteProject #: Palmetto Gardens
AMP #: 016
Utility/Units: Water & Sewer/CCF
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			132	136	144	137		0.0%	137
August			165	181	184	113		0.0%	113
September			129	139	175	145		0.0%	145
October			118	156	179	150		0.0%	150
November			98	142	176	136		0.0%	136
December			122	124	194	147		0.0%	147
January			201	174	264	229		0.0%	229
February			126	122	199	140		0.0%	140
March			162	146	266	189		0.0%	189
April			132	153	254	180		0.0%	180
May			147	141	189	159		0.0%	159
June			146	208	158	131		0.0%	131
Total	0	0	1,695	1,876	2,284	1,870	0	0.0%	1,870

SiteProject #: Jellivette
AMP #: 029
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			3,960	3,976	2,829	3,550	0	0.0%	3,550
August			4,242	3,372	2,876	3,497	0	0.0%	3,497
September			4,398	3,228	4,227	3,952	0	0.0%	3,952
October			3,240	3,781	4,280	3,600	0	0.0%	3,600
November			3,345	3,252	3,483	3,453	0	0.0%	3,453
December			2,550	3,275	3,749	2,789	0	0.0%	2,789
January			2,430	3,087	3,336	2,763	0	0.0%	2,763
February			1,797	3,125	2,445	1,989	0	0.0%	1,989
March			1,867	3,277	2,313	2,091	0	0.0%	2,091
April			1,643	2,319	3,238	2,402	0	0.0%	2,402
May			2,201	3,222	2,824	2,716	0	0.0%	2,716
June			2,405	2,801	2,342	2,613	0	0.0%	2,613
Total	0	0	34,217	39,349	37,861	34,709	0	0.0%	34,709

SiteProject #: Jellivette
AMP #: 029
Utility/Units: Natural Gas/Therms
HUD Incentive: PHA

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			452	426	358	416	0	0.0%	416
August			361	434	395	463	0	0.0%	463
September			376	361	341	358	0	0.0%	358
October			372	437	398	407	0	0.0%	407
November			390	482	438	488	0	0.0%	488
December			681	1,222	480	751	0	0.0%	751
January			1,488	1,758	626	1,624	0	0.0%	1,624
February			1,222	801	1,017	1,012	0	0.0%	1,012
March			1,189	578	485	895	0	0.0%	889
April			693	496	550	550	0	0.0%	550
May			576	492	481	481	0	0.0%	481
June			460	352	405	405	0	0.0%	405
Total	0	0	8,119	7,371	6,350	7,562	0	0.0%	7,562

SiteProject #: Jellivette
AMP #: 029
Utility/Units: Water & Sewer/CCF
HUD Incentive: PHA

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			561	487	570	573		0.0%	573
August			501	395	391	412		0.0%	412
September			356	555	407	434		0.0%	434
October			454	432	522	469		0.0%	469
November			425	542	506	484		0.0%	484
December			492	366	450	416		0.0%	416
January			432	433	495	434		0.0%	434
February			396	358	447	400		0.0%	400
March			444	469	543	495		0.0%	495
April			471	564	442	528		0.0%	528
May			396	738	564	522		0.0%	522
June			431	662	457	522		0.0%	522
Total	0	0	5,702	6,954	6,595	5,750	0	0.0%	5,750

SiteProject #: Gwen Cherry 87
AMP #: 031
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,518	1,509	1,602	1,569	0	0.0%	1,569
August			1,388	1,561	1,489	1,402	0	0.0%	1,402
September			1,532	1,523	1,646	1,575	0	0.0%	1,575
October			1,533	1,640	1,357	1,508	0	0.0%	1,508
November			1,740	1,764	1,367	1,618	0	0.0%	1,618
December			1,751	1,973	1,859	1,811	0	0.0%	1,811
January			1,871	2,092	2,207	2,047	0	0.0%	2,047
February			1,514	1,952	1,804	1,672	0	0.0%	1,672
March			1,795	1,926	1,837	1,886	0	0.0%	1,886
April			1,494	1,786	1,858	1,616	0	0.0%	1,616
May			1,518	1,903	1,741	1,486	0	0.0%	1,486
June			1,727	1,446	1,940	1,621	0	0.0%	1,621
Total	0	0	18,575	20,709	20,459	19,652	0	0.0%	19,652

SiteProject #: Gwen Cherry 87
AMP #: 031
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

SiteProject #: Gwen Cherry 87
AMP #: 031
Utility/Units: Water & Sewer/CCF
HUD Incentive: PHA

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			546	585	460	530		0.0%	530
August			385	546	329	497		11.0%	497
September			259	648	397	438		0.0%	438
October			316	578	392	442		0.0%	442
November			277	520	356	401		0.0%	401
December			369	448	361	373		0.0%	373
January			400	377	359	365		0.0%	365
February			361	574	295	295		0.0%	295
March			401	345	291	312		0.0%	312
April			398	291	291	313		0.0%	313
May			397	246	361	316		0.0%	316
June			647	329	346	407		0.0%	407
Total	0	0	4,695	5,619	4,556	4,564	0	0.0%	4,564

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Mixed-Finance Public Housing Authority

Site/Project #: Green Cherry 06
AMP #: 071
Utility/Units: Electricity/KWH
HUD Incentive: ARRA-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,216	797	529	971	0	0.0%	971
August			1,029	689	539	790	0	0.0%	790
September			1,051	747	767	848	0	0.0%	848
October			1,117	980	592	978	0	0.0%	978
November			1,231	918	891	1,054	0	0.0%	1,054
December			1,525	951	1,407	1,226	0	0.0%	1,226
January			1,490	1,073	1,548	1,360	0	0.0%	1,360
February			1,172	911	1,398	1,141	0	0.0%	1,141
March			1,197	765	1,373	1,086	0	0.0%	1,086
April			965	764	1,242	1,007	0	0.0%	1,007
May			994	686	1,152	997	0	0.0%	997
June			910	551	1,249	970	0	0.0%	970
Total	0	0	13,494	9,043	12,883	11,982	0	0.0%	11,982

Site/Project #: Green Cherry 04
AMP #: 071
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Green Cherry 04
AMP #: 071
Utility/Units: Water & Sewer/CCF
HUD Incentive: ARRA-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			259	218	141	193		0.0%	193
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			160	150	129	154		0.0%	154
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			198	135	101	137		0.0%	137
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			222	161	91	156		0.0%	156
June			0	0	0	0		0.0%	0
Total	0	0	839	663	462	642	0	0.0%	642

Site/Project #: New Haven Gardens/Site 06
AMP #: 071
Utility/Units: Electricity/KWH
HUD Incentive: ARRA

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			9,216	9,545	9,192	9,991	0	0.0%	9,991
August			9,799	9,178	9,901	9,110	0	0.0%	9,110
September			10,029	9,946	9,256	9,707	0	0.0%	9,707
October			9,701	11,407	7,299	9,785	0	0.0%	9,785
November			11,981	11,084	9,859	9,886	0	0.0%	9,886
December			13,195	10,717	6,904	10,245	0	0.0%	10,245
January			10,999	11,196	8,537	10,248	0	0.0%	10,248
February			8,255	9,909	6,539	7,988	0	0.0%	7,988
March			7,987	7,237	6,851	7,524	0	0.0%	7,524
April			7,128	7,393	6,523	7,060	0	0.0%	7,060
May			8,212	7,399	6,928	7,913	0	0.0%	7,913
June			7,951	7,870	7,483	7,409	0	0.0%	7,409
Total	0	0	113,160	106,443	82,649	100,757	0	0.0%	100,757

Site/Project #: New Haven Gardens/Site 06
AMP #: 071
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: New Haven Gardens/Site 06
AMP #: 071
Utility/Units: Water & Sewer/CCF
HUD Incentive: ARRA

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,859	1,819	1,755	1,755		0.0%	1,755
August			1,728	1,149	977	1,114		0.0%	1,114
September			1,382	1,464	978	1,246		0.0%	1,246
October			1,309	1,406	973	1,253		0.0%	1,253
November			1,732	1,275	1,050	1,172		0.0%	1,172
December			1,364	1,158	886	1,136		0.0%	1,136
January			1,443	1,141	1,078	1,218		0.0%	1,218
February			985	1,053	998	1,041		0.0%	1,041
March			1,295	1,083	1,108	1,162		0.0%	1,162
April			1,245	1,193	1,092	1,143		0.0%	1,143
May			1,370	973	1,156	1,170		0.0%	1,170
June			1,564	1,345	970	1,318		0.0%	1,318
Total	0	0	16,297	14,265	12,974	14,677	0	0.0%	14,677

Site/Project #: Scattered Sites - A
AMP #: 072
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			924	719	763	902	0	0.0%	902
August			850	679	563	697	0	0.0%	697
September			685	710	359	539	0	0.0%	539
October			957	827	167	632	0	0.0%	632
November			1,005	775	404	753	0	0.0%	753
December			1,152	852	636	980	0	0.0%	980
January			1,704	984	1,058	1,072	0	0.0%	1,072
February			992	915	982	930	0	0.0%	930
March			969	780	1,006	912	0	0.0%	912
April			861	843	880	891	0	0.0%	891
May			736	626	845	770	0	0.0%	770
June			827	729	1,004	971	0	0.0%	971
Total	0	0	11,307	9,179	8,849	9,855	0	0.0%	9,855

Site/Project #: Scattered Sites - A
AMP #: 072
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Scattered Sites - A
AMP #: 072
Utility/Units: Water & Sewer/CCF
HUD Incentive: ARRA

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			392	538	340	535		0.0%	535
August			307	420	278	400		0.0%	400
September			388	450	382	475		0.0%	475
October			395	538	353	470		0.0%	470
November			455	481	311	429		0.0%	429
December			539	351	450	430		0.0%	430
January			448	765	474	387		0.0%	387
February			328	297	338	311		0.0%	311
March			376	349	361	369		0.0%	369
April			259	527	384	371		0.0%	371
May			371	364	396	445		0.0%	445
June			0[illegible]	361	418	493		0.0%	493
Total	0	0	3,396	5,327	4,571	5,075	0	0.0%	5,075

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: Manor Park (Scattered Site)
AMP #: 922
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Manor Park (Scattered Site)
AMP #: 922
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Manor Park (Scattered Site)
AMP #: 922
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Orchard Villa Homes (Scattered Site)
AMP #: 922
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Orchard Villa Homes (Scattered Site)
AMP #: 922
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Orchard Villa Homes (Scattered Site)
AMP #: 922
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Little River Terrace
AMP #: 923
Utility/Units: Electricity/KWH
HUD Incentive: ARRA-GN

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			5,950	5,757	5,593	5,767	0	0.0%	5,767
August			6,292	5,809	6,729	6,697	0	0.0%	6,697
September			5,752	4,585	7,105	5,848	0	0.0%	5,848
October			5,166	4,109	4,748	5,004	0	0.0%	5,004
November			4,626	4,166	3,760	4,451	0	0.0%	4,451
December			3,912	3,693	3,738	3,781	0	0.0%	3,781
January			3,612	3,165	3,636	3,478	0	0.0%	3,478
February			3,767	2,932	2,454	3,187	0	0.0%	3,187
March			3,058	2,761	3,867	3,512	0	0.0%	3,512
April			3,991	4,823	3,979	3,964	0	0.0%	3,964
May			4,921	4,372	4,263	4,552	0	0.0%	4,552
June			5,776	5,402	5,763	5,497	0	0.0%	5,497
Total	0	0	56,955	52,590	56,693	54,713	0	0.0%	54,713

Site/Project #: Little River Terrace
AMP #: 923
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Little River Terrace
AMP #: 923
Utility/Units: Water & Sewer/CCF
HUD Incentive: ARRA

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,250	1,480	1,648	1,594		0.0%	1,594
August			1,294	993	1,844	1,406		0.0%	1,406
September			1,385	1,294	1,756	1,512		0.0%	1,512
October			1,226	1,084	1,762	1,291		0.0%	1,291
November			1,083	1,113	1,536	1,281		0.0%	1,281
December			1,260	1,341	1,715	1,439		0.0%	1,439
January			1,503	1,478	1,646	1,476		0.0%	1,476
February			1,243	1,581	1,768	1,364		0.0%	1,364
March			1,112	1,663	1,414	1,477		0.0%	1,477
April			1,058	1,362	1,404	1,341		0.0%	1,341
May			1,125	1,578	1,287	1,397		0.0%	1,397
June			1,314	2,048	1,619	1,626		0.0%	1,626
Total	0	0	15,054	17,433	18,599	17,449	0	0.0%	17,449

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project # Annie Coleman (Scattered Site) 14
AMP # 824
Utility/Units Electricity/KWH
HUD Incentive NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			28,624	27,473	28,786	28,296	0	0.0%	28,296
August			27,921	27,139	28,799	27,952	0	0.0%	27,952
September			27,747	27,209	30,477	28,478	0	0.0%	28,478
October			28,187	27,915	29,487	28,533	0	0.0%	28,533
November			28,451	27,733	29,628	28,608	0	0.0%	28,608
December			28,144	28,390	29,277	28,604	0	0.0%	28,604
January			28,577	28,803	28,991	28,790	0	0.0%	28,790
February			27,608	28,074	28,826	28,169	0	0.0%	28,169
March			27,212	27,912	29,373	28,152	0	0.0%	28,152
April			26,838	28,567	28,878	28,094	0	0.0%	28,094
May			26,755	27,669	28,255	27,560	0	0.0%	27,560
June			26,674	27,881	28,590	27,715	0	0.0%	27,715
Total	0	0	332,958	334,729	349,164	338,950	0	0.0%	338,950

Site/Project # Annie Coleman (Scattered Site) 14
AMP # 824
Utility/Units Natural Gas/Therms
HUD Incentive FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	356	119	3,441	2900.0%	3,560
August			0	0	363	121	3,509	2900.0%	3,630
September			0	357	338	232	3,148	1359.0%	3,380
October			0	5,809	373	1,994	1,736	87.1%	3,730
November			0	0	388	129	3,731	2900.0%	3,860
December			0	558	405	320	4,485	1400.0%	4,805
January			0	600	545	382	5,343	1400.0%	5,725
February			0	438	436	291	4,069	1400.0%	4,360
March			0	431	431	287	4,023	1400.0%	4,310
April			0	381	381	254	3,556	1400.0%	3,810
May			0	406	406	271	3,789	1400.0%	4,060
June			0	357	357	238	3,332	1400.0%	3,570
Total	0	0	0	8,133	4,777	4,637	44,163	952.5%	48,800

Site/Project # Annie Coleman (Scattered Site) 14
AMP # 824
Utility/Units Water & Sewer/CCF
HUD Incentive FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjust-ments to Baseline	% Adjustment	Contract Baseline
July			4,852	6,836	5,059	5,582		0.0%	5,582
August			3,962	4,380	4,720	4,381		0.0%	4,381
September			4,802	6,128	4,107	5,012		0.0%	5,012
October			4,463	5,407	4,314	4,735		0.0%	4,735
November			4,751	5,639	4,714	5,035		0.0%	5,035
December			5,292	5,520	3,975	4,929		0.0%	4,929
January			4,935	4,958	4,376	4,756		0.0%	4,756
February			4,374	4,450	3,703	4,176		0.0%	4,176
March			4,780	5,268	3,846	4,665		0.0%	4,665
April			5,047	3,938	3,870	4,317		0.0%	4,317
May			4,613	4,195	4,704	4,504		0.0%	4,504
June			5,601	4,358	5,216	5,058		0.0%	5,058
Total	0	0	57,507	61,077	52,806	57,130	0	0.0%	57,130

Site/Project # Annie Coleman (Scattered Site) 15
AMP # 824
Utility/Units Electricity/KWH
HUD Incentive NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			12,497	8,770	7,610	9,956	0	0.0%	9,956
August			10,681	8,762	6,472	8,639	0	0.0%	8,639
September			10,789	8,070	7,670	8,842	0	0.0%	8,842
October			11,578	9,681	6,857	9,372	0	0.0%	9,372
November			12,961	11,029	6,690	10,227	0	0.0%	10,227
December			12,709	8,949	7,036	9,565	0	0.0%	9,565
January			14,705	8,918	6,780	9,961	0	0.0%	9,961
February			12,407	7,534	5,967	8,636	0	0.0%	8,636
March			12,936	7,447	7,179	9,186	0	0.0%	9,186
April			8,525	8,372	8,502	8,133	0	0.0%	8,133
May			8,090	6,605	6,725	7,540	0	0.0%	7,540
June			8,213	6,880	7,781	7,965	0	0.0%	7,965
Total	0	0	138,600	102,277	83,185	108,021	0	0.0%	108,021

Site/Project # Annie Coleman (Scattered Site) 15
AMP # 871
Utility/Units Natural Gas/Therms
HUD Incentive NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project # Annie Coleman (Scattered Site) 15
AMP # 871
Utility/Units Water & Sewer/CCF
HUD Incentive FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjust-ments to Baseline	% Adjustment	Contract Baseline
July			2,090	1,829	2,044	1,988		0.0%	1,988
August			1,672	1,211	2,124	1,646		0.0%	1,646
September			1,716	1,810	2,685	2,070		0.0%	2,070
October			1,446	1,551	3,068	2,028		0.0%	2,028
November			1,384	1,629	3,006	2,016		0.0%	2,016
December			1,586	1,443	3,397	2,142		0.0%	2,142
January			1,549	1,708	3,160	2,139		0.0%	2,139
February			1,110	1,658	1,536	1,435		0.0%	1,435
March			1,131	1,705	1,643	1,493		0.0%	1,493
April			1,314	2,509	1,416	1,877		0.0%	1,877
May			1,278	2,121	1,513	1,637		0.0%	1,637
June			1,567	1,945	1,550	1,687		0.0%	1,687
Total	0	0	17,793	21,512	27,172	22,159	0	0.0%	22,159

Site/Project # Annie Coleman (Scattered Site) 16
AMP # 874
Utility/Units Electricity/KWH
HUD Incentive NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			12,839	12,392	12,388	12,540	0	0.0%	12,540
August			12,057	11,495	10,938	11,496	0	0.0%	11,496
September			12,117	12,403	12,610	12,377	0	0.0%	12,377
October			12,402	13,570	11,233	12,402	0	0.0%	12,402
November			12,119	12,849	11,567	12,178	0	0.0%	12,178
December			12,149	13,735	12,326	12,737	0	0.0%	12,737
January			13,604	14,339	12,121	13,355	0	0.0%	13,355
February			13,675	12,818	11,679	12,724	0	0.0%	12,724
March			13,544	11,829	12,077	12,483	0	0.0%	12,483
April			12,428	12,511	11,473	12,137	0	0.0%	12,137
May			11,538	10,988	10,737	11,221	0	0.0%	11,221
June			11,980	10,922	11,330	11,411	0	0.0%	11,411
Total	0	0	150,852	149,851	140,477	147,060	0	0.0%	147,066

Site/Project # Annie Coleman (Scattered Site) 16
AMP # 874
Utility/Units Natural Gas/Therms
HUD Incentive FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			2,007	1,988	2,000	1,991	0	0.0%	1,991
August			2,236	2,164	2,092	2,164	0	0.0%	2,164
September			2,019	1,839	1,884	1,914	0	0.0%	1,914
October			2,238	1,925	2,002	2,055	0	0.0%	2,055
November			2,066	2,382	2,353	2,267	0	0.0%	2,267
December			2,269	3,062	2,418	2,583	0	0.0%	2,583
January			3,905	3,242	2,295	3,147	0	0.0%	3,147
February			2,892	2,366	2,621	2,626	0	0.0%	2,626
March			2,753	2,214	2,518	2,494	0	0.0%	2,494
April			2,374	2,073	2,569	2,322	0	0.0%	2,322
May			2,315	2,708	2,368	2,317	0	0.0%	2,317
June			2,123	1,948	2,008	2,026	0	0.0%	2,026
Total	0	0	29,356	27,339	27,025	27,907	0	0.0%	27,907

Site/Project # Annie Coleman (Scattered Site) 16
AMP # 874
Utility/Units Water & Sewer/CCF
HUD Incentive FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjust-ments to Baseline	% Adjustment	Contract Baseline
July			4,842	3,878	3,276	3,999		0.0%	3,999
August			3,738	3,156	4,049	3,648		0.0%	3,648
September			3,586	3,129	4,044	3,619		0.0%	3,619
October			4,341	3,298	3,740	3,793		0.0%	3,793
November			3,573	3,813	4,803	4,063		0.0%	4,063
December			3,498	3,320	3,704	3,507		0.0%	3,507
January			3,425	3,727	3,888	3,680		0.0%	3,680
February			3,505	4,016	4,056	3,860		0.0%	3,860
March			2,982	3,894	2,967	3,281		0.0%	3,281
April			3,204	3,488	3,322	3,338		0.0%	3,338
May			3,515	4,144	4,187	3,949		0.0%	3,949
June			3,496	3,542	3,663	3,567		0.0%	3,567
Total	0	0	43,705	44,104	46,301	44,703	0	0.0%	44,703

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: FHA Homes Data Co. - C (Scattered)
AMP #: 015
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: FHA Homes Data Co. - C (Scattered)
AMP #: 015
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: FHA Homes Data Co. - C (Scattered)
AMP #: 015
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	5	0	2		0.0%	2
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	18	0	5		0.0%	5
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	12	0	4		0.0%	4
Total	0	0	0	35	0	12	0	0.0%	12

Site/Project #: Venetian Gardens (Scattered Site)
AMP #: 025
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			15,974	15,764	12,544	14,927	0	0.0%	14,927
August			12,457	14,845	11,753	13,018	0	0.0%	13,018
September			11,772	15,344	11,465	12,861	0	0.0%	12,861
October			11,755	14,547	9,129	12,289	0	0.0%	12,289
November			11,985	14,452	8,746	12,059	0	0.0%	12,059
December			11,729	14,884	12,396	13,150	0	0.0%	13,150
January			12,786	13,290	13,227	13,133	0	0.0%	13,133
February			10,190	13,564	12,301	12,025	0	0.0%	12,025
March			10,965	14,192	13,406	12,721	0	0.0%	12,721
April			9,456	15,822	12,445	12,541	0	0.0%	12,541
May			8,967	13,960	14,839	11,965	0	0.0%	11,965
June			11,112	15,253	13,167	13,171	0	0.0%	13,171
Total	0	0	137,842	180,848	148,487	155,052	0	0.0%	155,052

Site/Project #: Venetian Gardens (Scattered Site)
AMP #: 025
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Venetian Gardens (Scattered Site)
AMP #: 025
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			12	9	0	4		0.0%	4
August			7	9	0	2		0.0%	2
September			5	9	0	2		0.0%	2
October			4	0	0	1		0.0%	1
November			2	0	0	1		0.0%	1
December			1	0	0	0		0.0%	0
January			1	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			18	0	0	6		0.0%	6
April			12	0	6	4		0.0%	4
May			2	0	5	1		0.0%	1
June			2	0	0	1		0.0%	1
Total	0	0	66	0	0	22	0	0.0%	22

Site/Project #: Viola Verde (Scattered)
AMP #: 026
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Viola Verde (Scattered)
AMP #: 026
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Viola Verde (Scattered)
AMP #: 026
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES

Miami-Dade Public Housing Authority

Site/Project #: Liberty Homes
AMP #: 827
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Liberty Homes
AMP #: 827
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Liberty Homes
AMP #: 827
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			30	0	0	30		0.0%	30
March			0	0	0	0		0.0%	0
April			66	0	0	73		0.0%	73
May			1	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	107	0	0	76	0	0.0%	36

Site/Project #: Edison Courts
AMP #: 828
Utility/Units: Electricity/KWH
HUD Incentive: ARRA

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			11,413	11,495	9,295	10,368	0	0.0%	10,368
August			11,197	11,376	9,219	10,604	0	0.0%	10,604
September			10,749	10,452	9,557	10,365	0	0.0%	10,365
October			10,004	9,257	7,519	8,875	0	0.0%	8,875
November			8,644	7,695	6,965	7,535	0	0.0%	7,535
December			7,381	6,272	5,260	6,304	0	0.0%	6,304
January			6,839	5,503	5,315	5,894	0	0.0%	5,894
February			5,611	5,299	5,395	4,755	0	0.0%	4,755
March			7,737	5,786	5,791	5,436	0	0.0%	5,436
April			9,794	8,855	5,741	6,900	0	0.0%	6,536
May			9,646	8,490	6,850	8,662	0	0.0%	8,662
June			10,800	8,840	8,357	9,899	0	0.0%	9,899
Total	0	0	101,163	89,616	86,314	95,698	0	0.0%	95,698

Site/Project #: Edison Courts
AMP #: 828
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Edison Courts
AMP #: 828
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			4,668	4,119	4,792	4,551	-128	-2.9%	4,404
August			2,159	4,814	8,276	5,082	-1,597	-31.4%	3,487
September			2,245	2,568	8,572	4,795	-1,888	-39.4%	2,907
October			4,653	3,177	8,149	5,126	-1,511	-29.5%	3,615
November			1,972	4,292	8,424	5,226	-2,014	-37.3%	3,282
December			2,564	2,588	7,912	4,435	-1,669	-38.1%	2,746
January			4,615	4,441	10,128	6,400	-1,853	-28.3%	4,567
February			2,549	5,388	8,617	5,968	-1,375	-22.4%	4,484
March			2,717	3,420	7,448	5,196	-1,126	-21.8%	4,072
April			2,563	5,009	7,185	4,959	-1,116	-22.5%	3,843
May			4,873	2,688	8,620	5,265	-780	-2.9%	4,791
June			2,580	7,367	4,980	5,096	83	0.3%	5,019
Total	0	0	37,886	50,889	92,011	62,079	-14,416	-22.8%	48,763

Site/Project #: Edison Park (Family, Scattered Site)
AMP #: 826
Utility/Units: Electricity/KWH
HUD Incentive: ARRA

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			5,727	5,013	2,893	4,944	0	0.0%	4,944
August			5,750	4,448	2,938	4,629	0	0.0%	4,629
September			8,614	5,209	3,652	4,852	0	0.0%	4,852
October			8,574	5,064	3,111	4,833	0	0.0%	4,833
November			7,930	4,631	3,253	4,778	0	0.0%	4,778
December			6,878	3,727	3,649	4,735	0	0.0%	4,735
January			7,629	3,963	4,248	5,290	0	0.0%	5,290
February			6,804	3,132	3,458	4,188	0	0.0%	4,188
March			6,049	2,779	3,548	4,258	0	0.0%	4,258
April			5,701	3,079	3,098	3,791	0	0.0%	3,791
May			4,576	2,648	2,784	3,432	0	0.0%	3,432
June			4,482	3,107	3,115	3,726	0	0.0%	3,726
Total	0	0	74,564	46,406	39,698	53,353	0	0.0%	53,353

Site/Project #: Edison Park (Family, Scattered Site)
AMP #: 826
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Edison Park (Family, Scattered Site)
AMP #: 826
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

APPENDIX B - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: Model Cities - C (Scattered Sites)
AMP #: 029
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,795	1,760	1,817	1,791	0	0.0%	1,791
August			1,969	1,759	1,990	1,906	0	0.0%	1,906
September			1,425	1,853	2,184	1,824	0	0.0%	1,824
October			1,409	1,369	815	1,218	0	0.0%	1,218
November			1,425	906	791	1,011	0	0.0%	1,011
December			892	725	845	754	0	0.0%	754
January			797	843	891	845	0	0.0%	845
February			1,410	784	688	964	0	0.0%	964
March			1,275	1,009	961	982	0	0.0%	982
April			1,327	765	1,971	1,081	0	0.0%	1,081
May			1,744	1,367	1,428	1,846	0	0.0%	1,846
June			1,670	1,794	1,877	1,743	0	0.0%	1,743
Total	0	0	16,749	15,182	14,562	15,534	0	0.0%	15,534

Site/Project #: Model Cities - C (Scattered Sites)
AMP #: 029
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Model Cities - C (Scattered Sites)
AMP #: 029
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRS

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			580	637	553	590	-34	-4.9%	567
August			431	398	415	415	8	2.0%	427
September			464	816	816	565	-26	-4.5%	541
October			449	619	722	597	-11	-1.8%	586
November			463	564	525	530	-36	-6.7%	494
December			511	553	405	570	-65	-12.4%	458
January			550	620	536	569	-26	-4.5%	543
February			401	534	351	472	-36	-14.1%	566
March			437	596	481	591	-42	-8.4%	450
April			356	586	487	484	-48	-9.5%	443
May			492	562	527	606	-22	-6.4%	468
June			410	748	560	580	-22	-12.1%	512
Total	0	0	5,553	7,236	6,270	6,336	-447	-7.1%	5,889

Site/Project #: Victory Homes (Scattered Sites)
AMP #: 029
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			17,619	16,220	15,952	16,430	0	0.0%	16,430
August			17,031	17,876	18,212	18,040	0	0.0%	18,040
September			17,967	17,969	18,244	18,265	0	0.0%	18,265
October			17,158	17,574	18,641	17,864	0	0.0%	17,864
November			17,459	16,813	18,824	17,642	0	0.0%	17,642
December			15,237	15,185	19,271	17,194	0	0.0%	17,194
January			15,948	15,115	19,246	17,106	0	0.0%	17,106
February			16,369	19,296	18,187	16,951	0	0.0%	16,951
March			15,001	19,073	18,212	16,767	0	0.0%	16,767
April			15,614	18,736	18,154	16,565	0	0.0%	16,565
May			15,954	18,666	19,186	18,261	0	0.0%	18,261
June			16,902	18,643	18,268	18,614	0	0.0%	18,614
Total	0	0	196,564	218,441	230,729	216,245	0	0.0%	216,245

Site/Project #: Victory Homes (Scattered Sites)
AMP #: 029
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Victory Homes (Scattered Sites)
AMP #: 029
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRS

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			4,383	0	0	1,461	-487	-33.3%	974
August			0	4,884	3,953	2,946	0	0.0%	2,946
September			0	0	0	0	0	0.0%	0
October			4,726	0	0	1,576	0	0.0%	1,576
November			0	4,705	4,458	3,054	0	0.0%	3,054
December			0	0	0	0	0	0.0%	0
January			4,200	0	0	1,400	0	0.0%	1,400
February			0	3,759	3,678	2,479	0	0.0%	2,479
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			5,961	4,191	3,273	4,475	0	0.0%	4,475
June			0	0	0	0	0	0.0%	0
Total	0	0	19,325	17,500	15,468	17,419	-487	-2.8%	16,931

Site/Project #: Wynwood Elderly
AMP #: 029
Utility/Units: Electricity/KWH
HUD Incentive: FRS

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			20,760	21,720	20,640	20,840	0	0.0%	20,840
August			24,120	26,760	13,320	20,700	0	0.0%	20,700
September			24,240	22,800	23,880	22,640	0	0.0%	22,640
October			21,840	20,760	20,760	20,960	0	0.0%	20,960
November			17,760	18,840	19,560	18,950	0	0.0%	18,950
December			8,880	19,560	16,920	15,150	0	0.0%	15,150
January			3,720	14,520	17,280	11,840	0	0.0%	11,840
February			13,848	15,480	14,880	14,000	0	0.0%	14,000
March			13,200	14,160	14,400	13,920	0	0.0%	13,920
April			12,960	14,160	13,440	14,960	0	0.0%	14,960
May			14,640	16,200	16,680	19,680	0	0.0%	19,680
June			20,880	20,400	20,640	20,568	0	0.0%	20,568
Total	0	0	199,860	230,360	227,220	207,320	0	0.0%	207,320

Site/Project #: Wynwood Elderly
AMP #: 029
Utility/Units: Natural Gas/Therms
HUD Incentive: AGO-GN

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			376	399	467	391	0	0.0%	391
August			346	336	356	346	0	0.0%	346
September			322	326	358	334	0	0.0%	334
October			313	364	485	388	0	0.0%	388
November			354	364	388	382	0	0.0%	382
December			454	467	502	474	0	0.0%	474
January			426	580	567	525	0	0.0%	525
February			451	488	443	477	0	0.0%	477
March			480	641	456	526	0	0.0%	526
April			529	377	434	447	0	0.0%	447
May			427	284	492	468	0	0.0%	468
June			426	446	431	431	0	0.0%	431
Total	0	0	5,014	5,216	5,358	5,181	0	0.0%	5,181

Site/Project #: Wynwood Elderly
AMP #: 029
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRS

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			522	422	448	466	0	0.0%	466
August			439	286	464	463	0	0.0%	463
September			378	436	454	436	0	0.0%	436
October			434	396	512	426	0	0.0%	426
November			397	362	460	411	0	0.0%	411
December			543	475	510	510	0	0.0%	510
January			454	321	508	428	0	0.0%	428
February			380	395	490	415	0	0.0%	415
March			429	492	502	464	0	0.0%	464
April			426	426	464	422	0	0.0%	422
May			342	463	564	456	0	0.0%	456
June			468	494	511	486	0	0.0%	486
Total	0	0	5,067	4,775	5,917	5,288	0	0.0%	5,288

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: Parkside I & II
AMP #: 972
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			2,327	2,521	2,436	2,428	0	0.0%	2,428
August			2,186	2,530	2,875	2,524	0	0.0%	2,524
September			2,551	2,855	3,269	2,643	0	0.0%	2,643
October			3,326	2,958	4,253	3,046	0	0.0%	3,046
November			2,546	2,137	3,550	3,078	0	0.0%	3,078
December			2,189	2,050	4,288	3,613	0	0.0%	3,613
January			3,062	2,467	4,273	2,618	0	0.0%	2,618
February			2,887	2,723	3,691	3,072	0	0.0%	3,072
March			2,894	2,826	3,686	3,160	0	0.0%	3,160
April			2,562	2,581	3,384	2,956	0	0.0%	2,956
May			2,496	2,566	3,636	2,875	0	0.0%	2,875
June			2,743	2,821	3,404	2,860	0	0.0%	2,860
Total	0	0	31,753	31,034	42,111	33,967	0	0.0%	33,967

Site/Project #: Parkside I & II
AMP #: 972
Utility/Units: Natural Gas/Therms
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			186	268	193	219	0	0.0%	219
August			184	198	206	191	0	0.0%	191
September			243	236	217	239	0	0.0%	239
October			218	203	222	218	0	0.0%	218
November			240	265	245	266	0	0.0%	266
December			264	296	215	272	0	0.0%	272
January			310	348	256	341	0	0.0%	341
February			325	333	278	311	0	0.0%	311
March			334	342	251	305	0	0.0%	305
April			278	164	256	252	0	0.0%	252
May			285	236	235	253	0	0.0%	253
June			649	258	214	280	0	0.0%	280
Total	0	0	3,056	3,076	2,788	3,256	0	0.0%	3,256

Site/Project #: Parkside I & II
AMP #: 972
Utility/Units: Water & Sewer/CCF
HUD Incentive: ZTB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			350	402	456	405	0	0.0%	405
August			334	540	378	411	0	0.0%	411
September			415	635	581	543	0	0.0%	543
October			362	571	543	479	0	0.0%	479
November			335	626	491	582	0	0.0%	582
December			691	736	614	620	0	0.0%	620
January			311	736	586	536	0	0.0%	536
February			370	637	525	504	0	0.0%	504
March			389	778	435	565	0	0.0%	565
April			341	541	464	458	0	0.0%	458
May			342	498	447	399	0	0.0%	399
June			464	473	479	452	0	0.0%	452
Total	0	0	4,393	7,344	5,599	5,657	0	0.0%	5,657

Site/Project #: Phyllis Wheatley
AMP #: 933
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			9,057	11,474	7,745	9,437	0	0.0%	9,437
August			8,751	10,438	8,487	9,319	0	0.0%	9,319
September			8,740	10,211	10,077	9,705	0	0.0%	9,705
October			9,357	9,472	7,769	9,530	0	0.0%	9,530
November			8,185	8,146	4,959	8,434	0	0.0%	8,434
December			8,238	6,266	6,276	6,944	0	0.0%	6,944
January			8,248	8,744	6,597	8,662	0	0.0%	8,662
February			8,466	8,218	5,495	8,456	0	0.0%	8,456
March			4,970	5,466	6,837	5,388	0	0.0%	5,388
April			4,600	5,569	4,805	5,036	0	0.0%	5,036
May			7,611	7,326	6,365	7,172	0	0.0%	7,172
June			10,670	8,083	8,169	8,531	0	0.0%	8,531
Total	0	0	91,049	93,754	89,595	96,196	0	0.0%	96,196

Site/Project #: Phyllis Wheatley
AMP #: 933
Utility/Units: Natural Gas/Therms
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			302	277	253	291	0	0.0%	291
August			272	258	270	257	0	0.0%	257
September			242	317	258	286	0	0.0%	286
October			281	313	246	281	0	0.0%	281
November			246	344	295	295	0	0.0%	295
December			314	479	377	377	0	0.0%	377
January			323	340	305	353	0	0.0%	353
February			374	324	268	346	0	0.0%	346
March			309	373	326	365	0	0.0%	365
April			372	357	359	365	0	0.0%	365
May			315	299	312	307	0	0.0%	307
June			784	258	258	312	0	0.0%	312
Total	0	0	3,886	4,005	3,809	3,935	0	0.0%	3,935

Site/Project #: Phyllis Wheatley
AMP #: 933
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			721	1,219	776	739	0	0.0%	939
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			672	1,089	976	968	0	0.0%	968
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			872	835	1,054	977	0	0.0%	937
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			865	795	484	684	0	0.0%	684
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	3,128	3,931	3,270	3,426	0	0.0%	3,426

Site/Project #: Claude Pepper
AMP #: 931
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			167,560	158,600	127,680	145,780	0	0.0%	145,780
August			141,366	141,840	141,840	141,680	0	0.0%	141,680
September			136,208	138,480	150,120	141,840	0	0.0%	141,840
October			126,720	118,200	118,040	118,320	0	0.0%	118,320
November			113,520	88,200	98,120	100,000	0	0.0%	100,000
December			114,960	108,760	103,160	108,960	0	0.0%	108,960
January			118,040	84,720	80,680	94,480	0	0.0%	94,480
February			92,960	81,600	88,720	86,960	0	0.0%	86,960
March			85,680	91,320	100,360	92,960	0	0.0%	92,960
April			100,040	100,560	91,680	100,960	0	0.0%	100,960
May			108,920	102,920	103,200	107,680	0	0.0%	107,680
June			144,040	130,600	109,040	136,040	0	0.0%	136,040
Total	0	0	1,447,240	1,375,800	1,338,660	1,379,480	0	0.0%	1,379,480

Site/Project #: Claude Pepper
AMP #: 931
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			6	5	3	5	0	0.0%	5
August			3	5	3	4	0	0.0%	4
September			2	5	2	3	0	0.0%	3
October			5	9	8	5	0	0.0%	5
November			3	2	10	5	0	0.0%	5
December			2	2	6	3	0	0.0%	3
January			6	5	7	6	0	0.0%	6
February			5	5	3	5	0	0.0%	5
March			0	2	10	4	0	0.0%	4
April			5	7	5	6	0	0.0%	6
May			0	5	4	3	0	0.0%	3
June			1	2	9	6	0	0.0%	6
Total	0	0	44	49	72	55	0	0.0%	55

Site/Project #: Claude Pepper
AMP #: 931
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			920	1,017	1,023	919	0	0.0%	919
August			586	922	1,095	834	0	0.0%	834
September			748	1,609	1,524	1,001	0	0.0%	1,001
October			747	981	1,148	959	0	0.0%	959
November			653	1,067	1,136	945	0	0.0%	945
December			747	1,000	1,045	937	0	0.0%	937
January			836	1,126	1,073	1,017	0	0.0%	1,017
February			678	1,000	1,000	908	0	0.0%	908
March			712	1,183	1,033	976	0	0.0%	976
April			721	1,040	1,195	988	0	0.0%	988
May			840	864	1,120	951	0	0.0%	951
June			936	1,184	910	977	0	0.0%	977
Total	0	0	9,606	12,336	13,011	11,395	0	0.0%	11,395

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project # Helen Sawyer Plaza
AMP # 834
Utility/Unit Electricity/KWH
HUD Incentive ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			86,729	103,000	105,726	98,340	0	0.0%	98,340
August			90,429	106,740	108,520	101,760	0	0.0%	101,760
September			91,809	106,300	101,450	100,520	0	0.0%	100,520
October			94,629	93,361	93,580	93,520	0	0.0%	93,520
November			78,549	78,000	87,560	74,800	0	0.0%	74,800
December			77,649	79,140	78,750	77,520	0	0.0%	77,520
January			74,199	83,920	85,180	87,160	0	0.0%	87,160
February			48,549	49,600	51,780	50,040	0	0.0%	50,040
March			49,489	52,870	55,340	52,580	0	0.0%	52,580
April			49,749	58,650	105,290	75,700	0	0.0%	75,700
May			70,969	80,440	72,950	76,440	0	0.0%	76,440
June			92,369	96,520	92,940	90,500	0	0.0%	90,500
Total	0	0	900,120	950,580	964,280	953,360	0	0.0%	953,360

Site/Project # Helen Sawyer Plaza
AMP # 834
Utility/Units Natural Gas/Therms
HUD Incentive ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			905	496	577	660	0	0.0%	660
August			773	448	564	595	0	0.0%	595
September			643	502	492	591	0	0.0%	591
October			544	788	749	667	0	0.0%	667
November			535	763	780	665	0	0.0%	665
December			557	657	809	677	0	0.0%	677
January			737	893	741	756	0	0.0%	756
February			680	727	787	727	0	0.0%	727
March			713	805	719	758	0	0.0%	758
April			866	712	647	723	0	0.0%	723
May			779	659	782	713	0	0.0%	713
June			547	735	586	623	0	0.0%	623
Total	0	0	8,172	8,046	8,345	8,172	0	0.0%	8,172

Site/Project # Helen Sawyer Plaza
AMP # 834
Utility/Units Water & Sewer/CCF
HUD Incentive FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			735	574	636	647	0	0.0%	647
August			852	435	460	587	0	0.0%	587
September			677	567	536	580	0	0.0%	580
October			597	572	478	548	0	0.0%	548
November			664	726	426	606	0	0.0%	606
December			614	696	684	665	0	0.0%	665
January			672	779	561	651	0	0.0%	651
February			578	687	563	563	0	0.0%	563
March			696	718	478	631	0	0.0%	631
April			529	743	542	578	0	0.0%	578
May			611	624	563	566	0	0.0%	566
June			476	694	730	697	0	0.0%	697
Total	0	0	7,570	7,791	6,576	7,260	0	0.0%	7,260

Site/Project # Dave Gardens
AMP # 837
Utility/Units Electricity/KWH
HUD Incentive ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			13,617	16,472	13,899	16,726	0	0.0%	16,726
August			17,345	13,169	14,197	14,861	0	0.0%	14,861
September			17,383	13,091	14,383	15,455	0	0.0%	15,455
October			16,129	20,818	12,197	17,035	0	0.0%	17,035
November			16,134	19,446	20,614	15,195	0	0.0%	15,195
December			13,503	19,147	9,956	14,321	0	0.0%	14,321
January			16,349	12,766	9,057	16,724	0	0.0%	16,724
February			8,249	12,197	9,905	9,249	0	0.0%	9,249
March			6,220	14,569	10,616	10,414	0	0.0%	10,414
April			10,569	18,268	11,747	13,875	0	0.0%	13,875
May			12,154	15,861	10,864	12,940	0	0.0%	12,940
June			13,456	12,646	22,627	16,425	0	0.0%	16,425
Total	0	0	160,969	190,653	150,926	167,417	0	0.0%	167,417

Site/Project # Dave Gardens
AMP # 837
Utility/Units Natural Gas/Therms
HUD Incentive NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project # Dave Gardens
AMP # 837
Utility/Units Water & Sewer/CCF
HUD Incentive FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			403	398	416	406		0.0%	406
August			378	326	346	359		0.0%	359
September			350	316	385	350		0.0%	350
October			406	370	476	401		0.0%	401
November			356	370	340	355		0.0%	355
December			384	434	484	434		0.0%	434
January			358	366	432	385		0.0%	385
February			365	367	422	382		0.0%	382
March			364	392	443	411		0.0%	411
April			486	451	482	473		0.0%	473
May			360	379	423	402		0.0%	402
June			545	527	641	545		0.0%	545
Total	0	0	4,784	4,997	5,150	4,850	0	0.0%	4,850

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: Abe Aronovitz
AMP #: 037
Utility/Units: Electricity/KWH
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,164	1,576	1,695	1,478	0	0.0%	1,478
August			1,710	1,550	1,531	1,596	0	0.0%	1,596
September			1,760	1,847	2,188	1,941	0	0.0%	1,941
October			1,886	1,931	1,794	1,840	0	0.0%	1,840
November			1,910	1,998	1,948	1,909	0	0.0%	1,909
December			2,676	1,975	2,287	2,486	0	0.0%	2,486
January			2,043	1,811	2,274	2,016	0	0.0%	2,016
February			1,624	1,795	2,648	1,751	0	0.0%	1,751
March			1,764	1,913	1,784	1,737	0	0.0%	1,737
April			1,747	1,865	1,938	1,763	0	0.0%	1,763
May			1,646	1,611	1,472	1,565	0	0.0%	1,565
June			1,725	1,739	1,982	1,712	0	0.0%	1,712
Total	0	0	20,844	21,521	22,717	21,459	0	0.0%	21,459

Site/Project #: Abe Aronovitz
AMP #: 037
Utility/Units: Natural Gas/Therms
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			150	7	225	127	0	0.0%	127
August			196	187	187	198	0	0.0%	198
September			113	124	167	151	0	0.0%	151
October			180	271	130	188	0	0.0%	188
November			163	265	195	189	0	0.0%	189
December			203	284	297	242	0	0.0%	242
January			221	342	249	271	0	0.0%	271
February			266	284	256	312	0	0.0%	312
March			400	318	340	301	0	0.0%	301
April			226	274	252	252	0	0.0%	252
May			297	218	189	238	0	0.0%	238
June			311	260	294	278	0	0.0%	278
Total	0	0	2,857	2,731	2,749	2,696	0	0.0%	2,696

Site/Project #: Abe Aronovitz
AMP #: 037
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			293	426	323	415		0.0%	415
August			326	374	451	382		0.0%	382
September			350	446	550	464		0.0%	464
October			290	455	687	478		0.0%	478
November			225	427	650	456		0.0%	456
December			276	297	669	459		0.0%	459
January			242	332	390	396		0.0%	396
February			218	220	348	293		0.0%	293
March			244	377	317	333		0.0%	333
April			299	378	368	345		0.0%	345
May			361	361	376	373		0.0%	373
June			409	451	387	409		0.0%	409
Total	0	0	3,556	4,723	5,601	4,730	0	0.0%	4,730

Site/Project #: Scattered Site II - D
AMP #: 037
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			467	491	426	484	0	0.0%	484
August			472	540	513	508	0	0.0%	508
September			464	619	622	568	0	0.0%	568
October			489	542	530	529	0	0.0%	529
November			466	562	648	570	0	0.0%	570
December			587	656	617	630	0	0.0%	630
January			624	765	596	695	0	0.0%	695
February			530	534	567	580	0	0.0%	580
March			518	574	567	562	0	0.0%	562
April			570	464	514	516	0	0.0%	516
May			524	513	452	503	0	0.0%	503
June			562	516	468	523	0	0.0%	523
Total	0	0	6,419	6,896	6,694	6,668	0	0.0%	6,668

Site/Project #: Scattered Site II - D
AMP #: 037
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Scattered Site II - D
AMP #: 037
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			105	92	89	95		0.0%	95
August			98	81	89	89		0.0%	89
September			83	136	86	93		0.0%	93
October			61	73	78	70		0.0%	70
November			67	92	61	67		0.0%	67
December			80	133	79	96		0.0%	96
January			206	136	72	138		0.0%	138
February			75	128	58	100		0.0%	100
March			88	142	77	96		0.0%	96
April			89	76	68	78		0.0%	78
May			153	97	95	100		0.0%	100
June			87	76	64	71		0.0%	71
Total	0	0	1,145	1,261	971	1,101	0	0.0%	1,101

Site/Project #: Scattered Site II - D
AMP #: 037
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,201	1,185	1,226	1,220	0	0.0%	1,220
August			1,214	1,162	1,166	1,137	0	0.0%	1,137
September			1,673	1,315	1,417	1,488	0	0.0%	1,488
October			2,063	1,205	1,368	1,578	0	0.0%	1,578
November			1,335	1,254	1,533	1,381	0	0.0%	1,381
December			1,513	1,455	1,389	1,452	0	0.0%	1,452
January			1,768	1,624	1,510	1,614	0	0.0%	1,614
February			1,492	1,399	1,501	1,497	0	0.0%	1,497
March			1,419	1,492	1,452	1,448	0	0.0%	1,448
April			1,256	1,290	1,464	1,315	0	0.0%	1,315
May			1,167	1,220	1,334	1,207	0	0.0%	1,207
June			1,236	1,291	1,291	1,276	0	0.0%	1,276
Total	0	0	17,461	15,921	16,589	16,603	0	0.0%	16,603

Site/Project #: Scattered Site II - D
AMP #: 037
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Scattered Site II - D
AMP #: 037
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			168	172	169	170	0	0.0%	170
August			158	125	204	162	+23	+14.8%	143
September			122	129	153	135	-12	-8.9%	123
October			134	130	152	139	-6	-4.0%	133
November			113	130	168	137	-15	-11.3%	122
December			125	135	145	135	-7	-5.1%	128
January			137	148	194	157	-18	-11.7%	139
February			105	124	271	167	-49	-33.9%	113
March			126	134	139	133	0	0.0%	133
April			125	135	149	135	0	0.0%	135
May			129	158	158	148	0	0.0%	148
June			154	174	197	169	0	0.0%	169
Total	0	0	1,646	1,826	2,146	1,809	-149	-8.2%	1,660

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: Falk Turnkey
AMP #: 819
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,586	1,514	1,466	1,515	0	0.0%	1,515
August			1,563	1,479	1,420	1,484	0	0.0%	1,484
September			1,456	1,476	1,898	1,610	0	0.0%	1,610
October			1,661	1,724	1,569	1,651	0	0.0%	1,651
November			1,609	1,626	1,716	1,650	0	0.0%	1,650
December			1,666	2,048	2,488	1,935	0	0.0%	1,935
January			1,924	1,898	1,952	1,927	0	0.0%	1,927
February			1,836	1,818	1,814	1,857	0	0.0%	1,857
March			1,612	1,964	1,624	1,636	0	0.0%	1,636
April			1,645	1,249	1,656	1,581	0	0.0%	1,581
May			1,785	1,568	1,535	1,678	0	0.0%	1,678
June			1,949	1,665	1,946	1,727	0	0.0%	1,727
Total	0	0	20,825	20,578	20,578	20,478	0	0.0%	20,478

Site/Project #: Falk Turnkey
AMP #: 819
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Falk Turnkey
AMP #: 819
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			265	229	14	154	65	48.7%	259
August			265	249	72	177	76	43.7%	253
September			211	189	25	142	67	47.1%	208
October			231	157	19	127	66	47.8%	193
November			226	214	122	182	74	38.5%	256
December			264	219	69	150	64	42.4%	214
January			199	189	113	170	66	38.9%	236
February			157	164	173	166	54	32.3%	221
March			136	157	22	122	61	49.9%	182
April			242	153	151	185	161	87.1%	347
May			192	0	164	125	128	102.1%	253
June			294	0	182	159	196	123.5%	355
Total	0	0	2,631	1,924	1,111	1,949	1,057	57.5%	3,007

Site/Project #: Jose Marti Plaza
AMP #: 819
Utility/Units: Electricity/KWH
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			17,700	16,673	17,617	16,886	0	0.0%	16,886
August			17,549	18,531	16,614	17,565	0	0.0%	17,565
September			17,706	18,747	16,583	17,682	0	0.0%	17,682
October			17,487	17,860	15,522	16,956	0	0.0%	16,956
November			15,389	12,635	12,014	13,346	0	0.0%	13,346
December			11,127	10,358	10,720	10,735	0	0.0%	10,735
January			5,976	7,804	9,649	9,143	0	0.0%	9,143
February			8,082	7,778	8,043	8,334	0	0.0%	8,334
March			5,973	8,196	10,009	7,859	0	0.0%	7,859
April			8,314	11,152	11,053	9,971	0	0.0%	9,971
May			9,286	13,626	11,051	11,371	0	0.0%	11,371
June			15,762	15,790	13,964	15,795	0	0.0%	15,795
Total	0	0	151,474	158,830	157,997	159,124	0	0.0%	159,124

Site/Project #: Jose Marti Plaza
AMP #: 819
Utility/Units: Natural Gas/Therms
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			377	398	386	362	0	0.0%	362
August			397	330	359	371	0	0.0%	371
September			314	330	338	336	0	0.0%	336
October			338	335	413	395	0	0.0%	395
November			397	397	397	397	0	0.0%	397
December			469	471	483	452	0	0.0%	452
January			395	435	486	425	0	0.0%	425
February			505	469	464	479	0	0.0%	479
March			451	416	441	436	0	0.0%	436
April			445	413	442	433	0	0.0%	433
May			495	354	397	412	0	0.0%	412
June			360	365	364	364	0	0.0%	364
Total	0	0	4,939	4,643	4,929	4,864	0	0.0%	4,864

Site/Project #: Jose Marti Plaza
AMP #: 819
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			260	247	317	256		0.0%	256
August			189	245	268	234		0.0%	234
September			182	278	375	278		0.0%	278
October			189	187	351	224		0.0%	224
November			175	242	278	232		0.0%	232
December			175	228	274	224		0.0%	224
January			268	267	288	262		0.0%	262
February			171	222	262	222		0.0%	222
March			175	235	316	256		0.0%	256
April			186	271	329	262		0.0%	262
May			229	264	270	254		0.0%	254
June			300	265	292	298		0.0%	298
Total	0	0	2,383	3,010	3,559	2,984	0	0.0%	2,984

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miamisburg Public Housing Authority

SiteProject #: Henry Cain
AMP #: 836
Utility/Units: Electricity/KWH
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			44,988	37,659	47,422	42,356	0	0.0%	42,356
August			40,168	36,214	49,790	42,757	0	0.0%	42,757
September			46,476	41,048	49,986	44,837	0	0.0%	44,837
October			42,519	33,785	42,219	39,842	0	0.0%	39,842
November			41,297	39,043	44,554	41,965	0	0.0%	41,965
December			42,463	35,151	40,321	39,312	0	0.0%	39,312
January			41,853	28,625	36,599	35,729	0	0.0%	35,729
February			35,169	34,563	37,560	35,797	0	0.0%	35,797
March			36,981	31,896	39,056	36,010	0	0.0%	36,010
April			37,939	40,945	39,041	39,608	0	0.0%	39,608
May			37,357	44,951	40,327	40,712	0	0.0%	40,712
June			41,105	53,491	46,671	47,422	0	0.0%	47,422
Total	0	0	492,319	486,374	518,813	493,886	0	0.0%	493,886

SiteProject #: Henry Cain
AMP #: 836
Utility/Units: Natural Gas/Therms
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			565	748	806	706	0	0.0%	706
August			518	569	633	573	0	0.0%	573
September			578	709	834	740	0	0.0%	740
October			575	705	859	745	0	0.0%	745
November			909	1,080	1,060	983	0	0.0%	983
December			729	992	1,041	918	0	0.0%	918
January			1,122	1,111	1,110	1,115	0	0.0%	1,115
February			976	893	1,630	833	0	0.0%	833
March			915	942	1,150	1,016	0	0.0%	1,016
April			856	950	990	915	0	0.0%	915
May			786	934	1,140	954	0	0.0%	954
June			697	926	1,057	890	0	0.0%	890
Total	0	0	8,818	10,641	11,734	10,356	0	0.0%	10,356

SiteProject #: Henry Cain
AMP #: 836
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			988	1,029	927	982		0.0%	982
August			702	716	739	720		0.0%	720
September			823	788	853	821		0.0%	821
October			814	698	881	798		0.0%	798
November			730	895	808	877		0.0%	877
December			1,206	961	914	978		0.0%	978
January			1,033	857	870	840		0.0%	840
February			675	670	833	762		0.0%	762
March			930	750	794	827		0.0%	827
April			917	680	747	781		0.0%	781
May			846	766	825	746		0.0%	746
June			873	897	850	860		0.0%	860
Total	0	0	10,554	9,910	10,072	9,972	0	0.0%	9,972

SiteProject #: In Cities - Wynwood (Scattered Site)
AMP #: 836
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			305	424	562	430	0	0.0%	430
August			286	449	542	426	0	0.0%	426
September			305	431	643	460	0	0.0%	460
October			539	472	625	548	0	0.0%	548
November			568	430	681	570	0	0.0%	570
December			606	466	710	606	0	0.0%	606
January			714	483	836	644	0	0.0%	644
February			626	382	686	568	0	0.0%	568
March			585	451	662	566	0	0.0%	566
April			642	604	674	607	0	0.0%	607
May			562	540	624	582	0	0.0%	582
June			433	553	711	566	0	0.0%	566
Total	0	0	6,203	6,565	7,897	6,548	0	0.0%	6,548

SiteProject #: In Cities - Wynwood (Scattered Site)
AMP #: 836
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

SiteProject #: In Cities - Wynwood (Scattered Site)
AMP #: 836
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

SiteProject #: Buena Vista Homes (Scattered)
AMP #: 836
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

SiteProject #: Buena Vista Homes (Scattered)
AMP #: 836
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

SiteProject #: Buena Vista Homes (Scattered)
AMP #: 836
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: Wynwood Homes - C (Scattered)
AMP #: 836
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Wynwood Homes - C (Scattered)
AMP #: 836
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Wynwood Homes - C (Scattered)
AMP #: 836
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Gwen Cherry 23 - C (Scattered)
AMP #: 836
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			3,452	2,730	2,615	2,932	0	0.0%	2,932
August			4,327	3,354	3,185	3,870	0	0.0%	3,870
September			3,705	2,708	2,589	2,953	0	0.0%	2,953
October			2,247	1,695	1,951	1,964	0	0.0%	1,964
November			2,180	1,691	1,850	2,024	0	0.0%	2,024
December			1,734	2,018	1,899	2,224	0	0.0%	2,224
January			1,312	2,042	1,605	1,866	0	0.0%	1,866
February			1,411	2,276	1,454	1,728	0	0.0%	1,728
March			1,504	2,477	1,577	1,930	0	0.0%	1,930
April			1,227	2,386	1,759	1,782	0	0.0%	1,782
May			1,779	2,536	2,525	2,147	0	0.0%	2,147
June			2,019	2,514	2,445	2,324	0	0.0%	2,324
Total	0	0	26,615	29,671	24,379	26,526	0	0.0%	26,526

Site/Project #: Gwen Cherry 23 - C (Scattered)
AMP #: 836
Utility/Units: Natural Gas/Therms
HUD Incentive: NOtoC

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Gwen Cherry 23 - C (Scattered)
AMP #: 836
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			620	761	815	765		0.0%	765
August			529	597	810	670		0.0%	670
September			506	661	671	747		0.0%	747
October			666	680	853	760		0.0%	760
November			483	777	853	689		0.0%	689
December			683	968	894	944		0.0%	944
January			468	921	761	697		0.0%	697
February			416	832	766	668		0.0%	668
March			445	905	842	722		0.0%	722
April			507	861	757	708		0.0%	708
May			504	867	808	736		0.0%	736
June			736	982	767	845		0.0%	845
Total	0	0	6,611	9,809	9,554	8,786	0	0.0%	8,786

Site/Project #: Rainbow Village
AMP #: 836
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			5,353	5,173	4,526	5,034	0	0.0%	5,034
August			5,540	5,142	4,680	5,121	0	0.0%	5,121
September			5,342	4,207	4,728	4,190	0	0.0%	4,190
October			4,868	3,814	3,460	3,987	0	0.0%	3,987
November			4,449	3,954	3,996	3,846	0	0.0%	3,846
December			4,464	3,696	3,775	3,415	0	0.0%	3,415
January			3,064	2,462	2,460	2,602	0	0.0%	2,602
February			2,773	2,800	2,988	2,703	0	0.0%	2,703
March			3,727	3,198	3,536	3,019	0	0.0%	3,019
April			2,989	2,705	2,853	3,290	0	0.0%	3,290
May			4,054	4,000	3,928	3,955	0	0.0%	3,955
June			4,960	4,733	4,349	4,661	0	0.0%	4,661
Total	0	0	50,849	48,042	47,658	48,522	0	0.0%	48,522

Site/Project #: Rainbow Village
AMP #: 836
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Rainbow Village
AMP #: 836
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,505	1,834	1,155	1,440		0.0%	1,440
August			1,373	1,725	1,119	1,222		0.0%	1,222
September			1,481	1,448	1,103	1,331		0.0%	1,331
October			1,406	1,164	985	1,215		0.0%	1,215
November			1,354	1,106	974	1,148		0.0%	1,148
December			1,596	1,397	1,206	1,343		0.0%	1,343
January			1,267	1,097	1,004	1,136		0.0%	1,136
February			1,123	1,025	895	1,048		0.0%	1,048
March			1,485	1,080	1,158	1,244		0.0%	1,244
April			1,447	1,112	984	1,114		0.0%	1,114
May			1,408	1,057	952	1,139		0.0%	1,139
June			1,452	1,244	931	1,259		0.0%	1,259
Total	0	0	17,097	14,747	12,548	14,655	0	0.0%	14,655

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: Town Park
AMP #: 638
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,680	1,680	1,680	1,680	0	0.0%	1,680
August			1,680	1,680	1,680	1,680	0	0.0%	1,680
September			1,680	1,680	1,680	1,680	0	0.0%	1,680
October			1,680	1,680	1,680	1,680	0	0.0%	1,680
November			1,680	1,680	1,680	1,680	0	0.0%	1,680
December			1,680	1,680	1,680	1,680	0	0.0%	1,680
January			1,680	1,680	1,680	1,680	0	0.0%	1,680
February			1,680	1,680	1,680	1,680	0	0.0%	1,680
March			1,680	1,680	1,680	1,680	0	0.0%	1,680
April			1,680	1,680	1,680	1,680	0	0.0%	1,680
May			1,680	1,680	1,680	1,680	0	0.0%	1,680
June			1,680	1,680	1,680	1,680	0	0.0%	1,680
Total	0	0	20,160	20,160	20,160	20,160	0	0.0%	20,160

Site/Project #: Town Park
AMP #: 638
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Town Park
AMP #: 638
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Colmar Plaza
AMP #: 631
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,946	3,054	1,257	7,086	0	0.0%	2,068
August			1,972	2,171	1,964	6,105	0	0.0%	2,035
September			2,247	2,018	1,361	5,626	0	0.0%	2,209
October			2,113	2,020	1,858	5,991	0	0.0%	2,298
November			2,196	2,909	2,532	7,647	0	0.0%	2,547
December			2,089	3,185	2,287	7,560	0	0.0%	2,990
January			1,854	3,479	3,024	8,356	0	0.0%	2,786
February			1,555	7,628	2,257	11,440	0	0.0%	2,147
March			7,656	1,990	1,270	10,916	0	0.0%	2,588
April			2,801	3,415	1,290	7,506	0	0.0%	1,838
May			3,067	1,206	2,842	7,115	0	0.0%	2,366
June			2,847	1,292	1,985	6,124	0	0.0%	2,016
Total	0	0	27,928	36,344	23,878	87,750	0	0.0%	27,387

Site/Project #: Colmar Plaza
AMP #: 631
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Colmar Plaza
AMP #: 631
Utility/Units: Water & Sewer/CCF
HUD Incentive: PRO

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			5,606	4,860	4,686	5,051		0.0%	5,051
August			4,543	5,500	3,412	4,485		0.0%	4,485
September			5,191	5,210	4,437	5,118		0.0%	5,118
October			5,666	4,944	3,859	4,323		0.0%	4,323
November			4,750	5,149	4,952	4,953		0.0%	4,953
December			4,169	4,736	4,291	4,665		0.0%	4,665
January			4,268	4,622	3,721	4,027		0.0%	4,027
February			4,128	3,991	3,961	4,037		0.0%	4,037
March			3,757	4,348	3,572	3,716		0.0%	3,716
April			3,527	4,381	3,344	3,751		0.0%	3,751
May			3,588	4,078	3,616	3,761		0.0%	3,761
June			4,431	4,724	3,956	4,354		0.0%	4,354
Total	0	0	54,976	60,654	47,356	52,292	0	0.0%	52,292

Site/Project #: Colmar Gardens
AMP #: 631
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,405	1,349	838	7,150	0	0.0%	1,156
August			1,372	1,328	967	1,169	0	0.0%	1,169
September			1,619	1,488	936	1,221	0	0.0%	1,221
October			1,481	1,197	1,058	1,419	0	0.0%	1,419
November			1,554	1,460	2,027	1,656	0	0.0%	1,656
December			1,503	1,264	1,867	1,885	0	0.0%	1,885
January			1,606	1,273	1,975	1,649	0	0.0%	1,649
February			1,427	1,075	1,743	1,400	0	0.0%	1,400
March			1,379	1,615	1,891	1,348	0	0.0%	1,348
April			1,289	862	1,561	1,031	0	0.0%	1,031
May			1,181	903	1,810	1,273	0	0.0%	1,273
June			1,251	921	1,555	1,256	0	0.0%	1,256
Total	0	0	17,845	13,677	18,930	16,307	0	0.0%	16,507

Site/Project #: Colmar Gardens
AMP #: 631
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Colmar Gardens
AMP #: 631
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

SiteProject #: Little Havana Homes (Scattered)
AMP #: 819
Utility/Units: Electricity/KWH
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			3,680	3,726	3,667	3,691	0	0.0%	3,691
August			3,449	3,327	3,227	3,416	0	0.0%	3,416
September			3,481	3,552	4,098	3,740	0	0.0%	3,740
October			4,187	4,341	3,978	4,162	0	0.0%	4,162
November			3,925	3,562	3,297	3,691	0	0.0%	3,691
December			4,159	4,373	4,309	4,440	0	0.0%	4,440
January			4,588	4,563	4,140	4,446	0	0.0%	4,446
February			4,701	4,060	4,058	4,126	0	0.0%	4,126
March			3,786	4,000	3,786	3,851	0	0.0%	3,851
April			3,498	4,349	3,847	3,951	0	0.0%	3,951
May			3,434	3,843	3,079	3,388	0	0.0%	3,388
June			3,625	3,543	4,060	3,885	0	0.0%	3,885
Total	0	0	46,048	46,648	46,306	46,991	0	0.0%	46,991

SiteProject #: Little Havana Homes (Scattered)
AMP #: 824
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

SiteProject #: Little Havana Homes (Scattered)
AMP #: 819
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			170	131	256	186		0.0%	186
August			129	155	224	167		0.0%	167
September			161	146	305	206		0.0%	206
October			150	137	256	181		0.0%	181
November			147	143	234	181		0.0%	181
December			148	139	271	182		0.0%	182
January			164	152	173	157		0.0%	157
February			148	187	172	169		0.0%	169
March			153	214	195	201		0.0%	201
April			136	335	144	199		0.0%	199
May			124	208	137	156		0.0%	156
June			167	265	158	204		0.0%	204
Total	0	0	1,755	2,365	2,447	2,177	0	0.0%	2,177

SiteProject #: Gwen Cherry 09
AMP #: 841
Utility/Units: Electricity/KWH
HUD Incentive: ASD-GH

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			2,272	2,272	2,272	2,272	0	0.0%	2,272
August			2,272	2,272	2,272	2,272	0	0.0%	2,272
September			2,272	2,272	2,272	2,272	0	0.0%	2,272
October			2,272	2,272	2,272	2,272	0	0.0%	2,272
November			2,272	2,272	2,272	2,272	0	0.0%	2,272
December			2,272	2,272	2,272	2,272	0	0.0%	2,272
January			2,272	2,272	2,272	2,272	0	0.0%	2,272
February			2,272	2,272	2,272	2,272	0	0.0%	2,272
March			2,272	2,272	2,272	2,272	0	0.0%	2,272
April			2,272	2,272	2,272	2,272	0	0.0%	2,272
May			2,272	2,272	2,272	2,272	0	0.0%	2,272
June			2,272	2,272	2,272	2,272	0	0.0%	2,272
Total	0	0	27,264	27,264	27,264	27,264	0	0.0%	27,264

SiteProject #: Gwen Cherry 09
AMP #: 841
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

SiteProject #: Gwen Cherry 09
AMP #: 841
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			769	556	575	640	0	0.0%	640
August			40	25	109	77	0	0.0%	77
September			40	38	143	75	0	0.0%	75
October			791	620	890	765	0	0.0%	765
November			40	66	116	74	0	0.0%	74
December			31	89	96	72	0	0.0%	72
January			611	541	751	634	0	0.0%	634
February			41	72	115	76	0	0.0%	76
March			53	75	99	75	0	0.0%	75
April			606	541	741	588	0	0.0%	588
May			70	93	88	69	0	0.0%	69
June			42	78	106	75	0	0.0%	75
Total	0	0	2,672	2,836	3,842	3,167	0	0.0%	3,167

SiteProject #: Gwen Cherry 12
AMP #: 841
Utility/Units: Electricity/KWH
HUD Incentive: ASD-GH

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			42	37	40	40	0	0.0%	40
August			38	37	41	39	0	0.0%	39
September			39	50	46	45	0	0.0%	45
October			37	51	44	43	0	0.0%	43
November			41	49	39	43	0	0.0%	43
December			44	53	48	50	0	0.0%	50
January			34	41	42	39	0	0.0%	39
February			35	40	42	37	0	0.0%	37
March			36	45	46	43	0	0.0%	43
April			40	39	41	40	0	0.0%	40
May			37	46	43	40	0	0.0%	40
June			38	45	45	43	0	0.0%	43
Total	0	0	400	535	574	501	0	0.0%	501

SiteProject #: Gwen Cherry 12
AMP #: 841
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

SiteProject #: Gwen Cherry 12
AMP #: 841
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			573	624	177	457	0	0.0%	457
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			705	509	190	468	0	0.0%	468
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			573	468	192	425	0	0.0%	425
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			570	134	246	313	0	0.0%	313
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	2,469	1,737	774	1,653	0	0.0%	1,653

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Bremerton Public Housing Authority

Site/Project #: Green Cherry 13
AMP #: 841
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			3,504	3,326	3,126	3,415	0	0.0%	3,415
August			3,345	3,547	3,613	3,368	0	0.0%	3,368
September			3,653	4,038	3,433	3,721	0	0.0%	3,721
October			4,257	4,304	3,469	3,974	0	0.0%	3,974
November			3,756	4,461	3,924	4,047	0	0.0%	4,047
December			4,147	4,244	3,972	4,096	0	0.0%	4,096
January			4,060	4,053	4,056	4,029	0	0.0%	4,029
February			3,856	3,996	3,777	3,909	0	0.0%	3,909
March			3,886	3,917	3,777	3,862	0	0.0%	3,862
April			3,554	3,774	3,764	3,511	0	0.0%	3,511
May			3,367	3,336	3,184	3,295	0	0.0%	3,295
June			3,637	3,155	3,025	3,479	0	0.0%	3,479
Total	0	0	45,472	45,160	43,102	44,835	0	0.0%	44,835

Site/Project #: Green Cherry 11
AMP #: 841
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Green Cherry 12
AMP #: 841
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			257	247	231	278	0	0.0%	278
August			204	195	251	213	0	0.0%	213
September			253	253	246	277	0	0.0%	277
October			219	499	379	300	0	0.0%	300
November			209	348	387	310	0	0.0%	310
December			253	267	416	269	0	0.0%	269
January			294	343	353	277	0	0.0%	277
February			178	237	386	267	0	0.0%	267
March			296	299	377	305	0	0.0%	305
April			218	268	400	295	0	0.0%	295
May			221	198	441	297	0	0.0%	297
June			255	288	746	427	0	0.0%	427
Total	0	0	2,981	3,327	4,977	3,549	0	0.0%	3,549

Site/Project #: Green Cherry 17
AMP #: 841
Utility/Units: Electricity/KWH
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			4,429	4,260	3,884	4,195	0	0.0%	4,195
August			4,368	4,281	3,949	4,305	0	0.0%	4,305
September			4,444	4,657	5,278	4,583	0	0.0%	4,583
October			4,487	3,964	4,863	4,438	0	0.0%	4,438
November			4,476	3,964	5,129	4,488	0	0.0%	4,488
December			4,642	3,964	5,184	4,509	0	0.0%	4,509
January			4,443	3,964	5,288	4,525	0	0.0%	4,525
February			4,467	3,964	5,179	4,500	0	0.0%	4,500
March			4,399	3,964	4,965	4,413	0	0.0%	4,413
April			4,376	3,964	4,885	4,363	0	0.0%	4,363
May			4,304	3,964	4,750	4,309	0	0.0%	4,309
June			4,318	3,964	4,914	4,332	0	0.0%	4,332
Total	0	0	53,015	47,767	58,946	52,886	0	0.0%	52,886

Site/Project #: Green Cherry 14
AMP #: 841
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Green Cherry 18
AMP #: 841
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,178	826	926	997	0	0.0%	997
August			882	762	900	826	0	0.0%	826
September			948	824	1,021	872	0	0.0%	872
October			1,054	918	936	892	0	0.0%	892
November			972	536	744	717	0	0.0%	717
December			837	583	887	765	0	0.0%	765
January			726	727	830	781	0	0.0%	781
February			545	588	810	647	0	0.0%	647
March			632	634	904	680	0	0.0%	680
April			568	666	921	713	0	0.0%	713
May			568	678	970	739	0	0.0%	739
June			755	1,014	1,053	927	0	0.0%	927
Total	0	0	9,625	7,951	10,711	9,419	0	0.0%	9,419

Site/Project #: Green Cherry 15
AMP #: 841
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			640	705	764	706	0	0.0%	706
August			647	674	665	647	0	0.0%	647
September			677	629	646	786	0	0.0%	786
October			741	679	675	710	0	0.0%	710
November			738	757	564	680	0	0.0%	680
December			826	819	583	756	0	0.0%	756
January			571	869	629	827	0	0.0%	827
February			617	771	587	757	0	0.0%	757
March			626	674	630	761	0	0.0%	761
April			729	777	582	782	0	0.0%	782
May			647	726	626	670	0	0.0%	670
June			764	855	636	743	0	0.0%	743
Total	0	0	8,184	8,448	7,945	8,750	0	0.0%	8,750

Site/Project #: Green Cherry 19
AMP #: 841
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Green Cherry 16
AMP #: 841
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			509	668	496	578	0	0.0%	578
August			371	319	417	389	0	0.0%	389
September			361	415	499	423	0	0.0%	423
October			365	435	493	436	0	0.0%	436
November			378	540	423	433	0	0.0%	433
December			373	511	521	469	0	0.0%	469
January			444	517	547	493	0	0.0%	493
February			284	410	488	389	0	0.0%	389
March			308	446	351	396	0	0.0%	396
April			295	425	250	358	0	0.0%	358
May			364	466	540	544	0	0.0%	544
June			472	464	251	378	0	0.0%	378
Total	0	0	4,496	5,852	4,966	4,966	0	0.0%	4,966

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: Gwen Cherry 16
AMP #: 841
Utility/Units: Electricity/KWH
HUD Incentive: ARRA-ERP

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			959	672	2,784	1,748	1,966	109.3%	3,714
August			1,814	672	2,920	1,535	1,385	90.2%	2,920
September			1,166	672	2,174	1,671	1,503	90.0%	3,174
October			1,153	672	3,649	1,872	1,872	89.9%	3,545
November			1,208	2,631	3,715	2,918	1,197	47.5%	3,715
December			1,263	3,926	4,699	2,769	1,330	48.9%	4,099
January			1,735	3,826	4,530	3,584	914	26.0%	3,978
February			1,108	3,279	2,520	2,649	768	29.0%	3,486
March			1,882	3,821	3,971	2,742	829	30.4%	3,601
April			1,048	3,836	2,666	2,584	818	30.5%	3,502
May			843	3,700	3,869	2,970	814	31.7%	3,384
June			895	2,845	2,821	2,597	804	30.8%	3,296
Total	0	0	13,195	30,967	41,430	28,492	14,151	49.6%	42,586

Site/Project #: Gwen Cherry 11
AMP #: 841
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Gwen Cherry 11
AMP #: 841
Utility/Units: Water & Sewer/CCF
HUD Incentive: FNS

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			902	1,210	1,146	1,099	0	0.0%	1,099
August			903	947	903	948	0	0.0%	948
September			994	865	1,053	977	0	0.0%	977
October			1,077	953	1,064	1,021	0	0.0%	1,021
November			903	1,010	940	951	0	0.0%	951
December			864	828	885	893	0	0.0%	893
January			1,141	1,121	977	1,080	0	0.0%	1,080
February			815	956	730	881	0	0.0%	881
March			896	953	697	907	0	0.0%	907
April			869	924	992	929	0	0.0%	929
May			998	848	1,027	924	0	0.0%	924
June			1,168	1,105	889	1,094	0	0.0%	1,094
Total	0	0	11,544	11,919	11,487	11,714	0	0.0%	11,714

Site/Project #: Allapattah Homes (Scattered Site)
AMP #: 841
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Allapattah Homes (Scattered Site)
AMP #: 841
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Allapattah Homes (Scattered Site)
AMP #: 841
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Santa Clara Homes (Scattered Site)
AMP #: 841
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Santa Clara Homes (Scattered Site)
AMP #: 841
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Santa Clara Homes (Scattered Site)
AMP #: 841
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: Biscayne Plaza
AMP #: 843
Utility/Units: Electricity/KWH
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			4,258	4,418	5,083	4,586	0	0.0%	4,586
August			5,661	4,581	4,581	5,114	0	0.0%	5,114
September			4,581	5,258	5,381	4,986	0	0.0%	4,986
October			4,181	4,978	5,142	5,167	0	0.0%	5,167
November			4,189	4,654	3,623	4,821	0	0.0%	4,821
December			4,500	4,978	4,834	4,634	0	0.0%	4,634
January			4,342	3,962	4,856	4,342	0	0.0%	4,342
February			4,585	5,100	4,736	4,907	0	0.0%	4,907
March			4,928	4,621	4,491	4,366	0	0.0%	4,366
April			4,264	3,992	4,670	4,648	0	0.0%	4,648
May			4,340	4,261	4,017	4,206	0	0.0%	4,206
June			4,740	4,260	4,500	4,500	0	0.0%	4,500
Total	0	0	53,129	53,561	56,669	53,565	0	0.0%	53,565

Site/Project #: Biscayne Plaza
AMP #: 843
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Biscayne Plaza
AMP #: 843
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			225	198	260	227		0.0%	227
August			264	183	184	184		0.0%	184
September			267	189	346	265		0.0%	265
October			253	182	342	260		0.0%	260
November			464	169	351	341		0.0%	341
December			210	210	328	270		0.0%	270
January			185	180	452	272		0.0%	272
February			168	184	529	294		0.0%	294
March			183	218	563	319		0.0%	319
April			152	177	517	282		0.0%	282
May			150	216	356	304		0.0%	304
June			186	215	784	368		0.0%	368
Total	0	0	2,734	2,502	5,307	3,441	0	0.0%	3,441

Site/Project #: Homestead Gardens
AMP #: 844
Utility/Units: Electricity/KWH
HUD Incentive: ADM-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			12,027	11,921	9,656	11,271	0	0.0%	11,271
August			11,001	11,251	10,958	11,113	0	0.0%	11,113
September			11,017	11,327	10,711	11,017	0	0.0%	11,017
October			11,211	9,928	12,482	11,211	0	0.0%	11,211
November			9,762	9,011	9,632	9,435	0	0.0%	9,435
December			10,595	9,841	11,549	10,660	0	0.0%	10,660
January			9,618	8,928	10,627	9,618	0	0.0%	9,618
February			7,623	9,458	10,347	8,913	0	0.0%	8,913
March			7,841	8,462	10,396	8,900	0	0.0%	8,900
April			10,085	7,986	10,442	8,569	0	0.0%	8,569
May			9,032	8,747	8,928	8,135	0	0.0%	8,135
June			12,264	9,870	11,222	11,222	0	0.0%	11,222
Total	0	0	121,445	119,446	127,107	121,998	0	0.0%	121,998

Site/Project #: Homestead Gardens
AMP #: 844
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Homestead Gardens
AMP #: 844
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,236	1,259	936	1,203		0.0%	1,203
August			960	972	904	925		0.0%	925
September			831	977	801	869		0.0%	869
October			749	885	860	756		0.0%	756
November			697	947	911	815		0.0%	815
December			1,081	1,160	845	1,029		0.0%	1,029
January			860	822	906	863		0.0%	863
February			845	753	1,122	905		0.0%	905
March			741	806	1,107	910		0.0%	910
April			853	826	1,217	899		0.0%	899
May			830	926	1,313	1,024		0.0%	1,024
June			1,254	906	1,971	1,071		0.0%	1,071
Total	0	0	10,600	11,180	13,093	11,267	0	0.0%	11,267

Site/Project #: Florida City Gardens
AMP #: 844
Utility/Units: Electricity/KWH
HUD Incentive: ADM-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,789	1,733	289	1,278	0	0.0%	1,278
August			970	1,417	720	916	0	0.0%	916
September			800	913	681	770	0	0.0%	770
October			1,142	1,007	956	918	0	0.0%	918
November			495	821	1,163	826	0	0.0%	826
December			988	760	193	540	0	0.0%	540
January			863	755	356	444	0	0.0%	444
February			567	255	354	392	0	0.0%	392
March			775	279	388	454	0	0.0%	454
April			541	1,066	338	648	0	0.0%	648
May			348	571	549	569	0	0.0%	569
June			1,095	328	1,068	813	0	0.0%	813
Total	0	0	10,077	8,909	6,853	8,570	0	0.0%	8,570

Site/Project #: Florida City Gardens
AMP #: 844
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Florida City Gardens
AMP #: 844
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			103	143	347	218		0.0%	218
August			126	384	311	248		0.0%	248
September			219	509	369	366		0.0%	366
October			297	362	182	287		0.0%	287
November			269	224	356	297		0.0%	297
December			244	363	297	288		0.0%	288
January			358	458	284	365		0.0%	365
February			324	420	456	433		0.0%	417
March			158	744	317	406		0.0%	406
April			291	254	266	274		0.0%	274
May			196	458	417	297		0.0%	297
June			187	462	531	273		0.0%	273
Total	0	0	2,986	4,981	4,740	3,952	0	0.0%	3,923

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Minneapolis Public Housing Authority

Site/Project #: W. Hennepin at Gardner
AMP #: 844
Utility/Units: Electricity/KWH
HUD Incentive: ARRA-OH

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			348	402	263	348	0	0.0%	348
August			343	284	291	343	0	0.0%	343
September			413	478	347	413	0	0.0%	413
October			351	407	292	347	0	0.0%	347
November			385	362	374	374	0	0.0%	374
December			256	351	256	256	0	0.0%	256
January			247	364	120	247	0	0.0%	247
February			373	330	83	267	0	0.0%	267
March			372	308	82	294	0	0.0%	294
April			229	291	95	225	0	0.0%	225
May			345	297	274	307	0	0.0%	307
June			257	283	256	256	0	0.0%	256
Total	0	0	4,122	4,211	2,589	3,677	0	0.0%	3,677

Site/Project #: W. Hennepin at Gardner
AMP #: 844
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: W. Hennepin at Gardner
AMP #: 844
Utility/Units: Water & Sewer/CCF
HUD Incentive: ARRA-OH

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			24	23	25	24		0.0%	24
August			29	27	27	25		0.0%	25
September			34	36	31	34		0.0%	34
October			31	33	31	32		0.0%	32
November			27	21	20	26		0.0%	26
December			28	29	29	27		0.0%	27
January			37	37	31	35		0.0%	35
February			23	21	29	26		0.0%	26
March			25	21	164	56		0.0%	56
April			31	19	24	25		0.0%	25
May			29	20	18	23		0.0%	23
June			23	25	18	23		0.0%	23
Total	0	0	354	332	388	351	0	0.0%	351

Site/Project #: Hennepintown East
AMP #: 844
Utility/Units: Electricity/KWH
HUD Incentive: ARRA-OH

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			2,048	1,798	1,864	1,807	0	0.0%	1,807
August			1,548	1,868	1,207	1,568	0	0.0%	1,568
September			1,627	1,877	1,377	1,627	0	0.0%	1,627
October			4,130	1,870	2,057	2,020	0	0.0%	2,020
November			2,652	2,852	2,652	2,652	0	0.0%	2,652
December			1,778	1,797	2,677	2,084	0	0.0%	2,084
January			2,336	1,809	2,873	2,336	0	0.0%	2,336
February			1,672	1,329	2,488	1,907	0	0.0%	1,907
March			2,054	1,676	2,726	2,150	0	0.0%	2,150
April			2,361	1,819	2,691	2,139	0	0.0%	2,139
May			1,864	1,187	2,833	1,908	0	0.0%	1,908
June			1,980	1,135	1,837	1,564	0	0.0%	1,564
Total	0	0	30,553	20,767	26,806	24,477	0	0.0%	24,477

Site/Project #: Hennepintown East
AMP #: 844
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Hennepintown East
AMP #: 844
Utility/Units: Water & Sewer/CCF
HUD Incentive: ARRA-OH

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			41	6	5	16	37	362.9%	73
August			0	0	0	0	41	0.0%	41
September			6	5	15	5	63	1260.0%	68
October			0	0	0	0	56	0.0%	56
November			63	0	0	21	42	200.0%	63
December			0	0	3	2	53	2975.0%	55
January			0	0	1	0	64	14450.0%	65
February			72	0	80	51	13	25.5%	64
March			78	0	0	20	48	147.5%	68
April			71	31	0	41	27	45.8%	69
May			11	37	0	16	39	245.8%	55
June			0	37	18	19	37	198.4%	55
Total	0	0	356	149	176	209	535	255.8%	744

Site/Project #: Perrine Villas
AMP #: 845
Utility/Units: Electricity/KWH
HUD Incentive: PHA

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,641	1,415	1,291	1,438	0	0.0%	1,438
August			1,442	1,368	1,308	1,373	0	0.0%	1,373
September			1,609	1,221	1,429	1,486	0	0.0%	1,486
October			1,178	1,479	1,288	1,492	0	0.0%	1,492
November			1,800	1,446	1,304	1,550	0	0.0%	1,550
December			2,027	1,346	1,420	1,668	0	0.0%	1,668
January			2,403	1,264	1,748	1,979	0	0.0%	1,979
February			1,687	1,448	1,473	1,536	0	0.0%	1,536
March			1,622	1,511	1,548	1,616	0	0.0%	1,616
April			1,536	1,497	1,538	1,496	0	0.0%	1,496
May			1,415	1,244	1,084	1,271	0	0.0%	1,271
June			1,471	1,362	1,302	1,385	0	0.0%	1,385
Total	0	0	20,829	17,429	16,353	18,290	0	0.0%	18,290

Site/Project #: Perrine Villas
AMP #: 845
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Perrine Villas
AMP #: 845
Utility/Units: Water & Sewer/CCF
HUD Incentive: PHA

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			572	519	437	543	-65	-11.9%	508
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			705	579	444	576	-63	-11.3%	341
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			866	452	524	657	-69	-12.4%	488
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			531	476	586	536	-6	-1.2%	532
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	2,676	2,025	1,992	2,725	-196	-8.6%	2,529

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

SiteProject #: Moody Gardens
AMP #: 644
UtilityUnits: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	1,676	0.0%	1,676
August			0	0	0	0	1,648	0.0%	1,648
September			0	0	0	0	1,709	0.0%	1,709
October			0	0	0	0	1,671	0.0%	1,671
November			0	0	0	0	1,705	0.0%	1,705
December			0	0	0	0	1,550	0.0%	1,550
January			0	0	0	0	2,003	0.0%	2,003
February			0	0	0	0	1,514	0.0%	1,514
March			0	0	0	0	1,552	0.0%	1,552
April			0	0	0	0	1,370	0.0%	1,370
May			0	0	0	0	1,357	0.0%	1,357
June			0	0	0	0	1,445	0.0%	1,445
Total	0	0	0	0	0	0	19,910	0.0%	19,910

SiteProject #: Moody Gardens
AMP #: 644
UtilityUnits: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

SiteProject #: Moody Gardens
AMP #: 644
UtilityUnits: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			115	139	125	123		0.0%	123
August			94	138	152	128		0.0%	128
September			96	172	222	163		0.0%	163
October			91	184	188	151		0.0%	151
November			92	173	203	156		0.0%	156
December			124	264	152	180		0.0%	180
January			120	241	246	169		0.0%	169
February			104	182	174	157		0.0%	157
March			113	253	196	157		0.0%	157
April			118	236	80	145		0.0%	145
May			139	202	87	141		0.0%	141
June			119	218	161	165		0.0%	165
Total	0	0	1,354	2,567	1,972	1,880	0	0.0%	1,880

SiteProject #: Gwen Cherry
AMP #: 647
UtilityUnits: Electricity/KWH
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,106	116	2,222	1,181	3,573	302.4%	4,754
August			1,075	124	811	736	3,563	488.0%	4,299
September			1,319	114	227	587	3,999	681.6%	4,585
October			1,432	156	379	675	3,773	458.9%	4,448
November			1,494	885	1,452	944	3,626	384.2%	4,570
December			811	187	756	618	4,087	499.3%	4,505
January			367	419	489	445	4,681	1053.3%	5,127
February			284	229	444	356	3,713	1015.4%	4,069
March			221	179	446	290	3,856	1364.6%	4,138
April			341	1,256	234	610	2,866	386.5%	3,526
May			979	1,777	1,751	1,136	2,777	230.0%	3,936
June			146	1,578	945	1,023	3,629	353.9%	4,649
Total	0	0	8,575	8,071	10,551	9,607	44,096	486.2%	53,147

SiteProject #: Gwen Cherry
AMP #: 647
UtilityUnits: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

SiteProject #: Gwen Cherry
AMP #: 647
UtilityUnits: Water & Sewer/CCF
HUD Incentive: FRB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			351	475	329	368		0.0%	368
August			332	413	284	343		0.0%	343
September			283	502	328	371		0.0%	371
October			316	388	249	351		0.0%	351
November			306	322	317	315		0.0%	315
December			373	346	331	351		0.0%	351
January			280	466	396	382		0.0%	382
February			330	413	268	329		0.0%	329
March			283	479	453	405		0.0%	405
April			252	391	427	357		0.0%	357
May			366	414	359	396		0.0%	396
June			306	630	461	517		0.0%	517
Total	0	0	3,982	5,249	4,369	4,534	0	0.0%	4,534

SiteProject #: Gwen Homes (Scattered Sites)
AMP #: 642
UtilityUnits: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

SiteProject #: Gwen Homes (Scattered Sites)
AMP #: 642
UtilityUnits: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

SiteProject #: Gwen Homes (Scattered Sites)
AMP #: 642
UtilityUnits: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: South Miami
AMP #: 841
Utility/Units: Electricity/KWH
HUD Incentive: FRS

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			3,680	3,531	3,178	3,963	0	0.0%	3,363
August			3,845	3,720	3,392	3,452	0	0.0%	3,452
September			4,296	4,265	3,939	4,114	0	0.0%	4,114
October			3,902	4,038	3,346	3,946	0	0.0%	3,946
November			5,285	4,625	3,966	4,529	0	0.0%	4,529
December			5,287	4,799	3,561	4,596	0	0.0%	4,596
January			5,298	5,062	4,721	5,019	0	0.0%	5,019
February			4,658	4,584	4,043	4,488	0	0.0%	4,488
March			4,715	5,240	4,196	4,651	0	0.0%	4,651
April			3,922	3,691	3,569	3,597	0	0.0%	3,597
May			3,723	3,122	3,525	3,291	0	0.0%	3,291
June			3,440	3,316	2,677	3,213	0	0.0%	3,213
Total	0	0	49,797	48,319	43,155	47,312	0	0.0%	47,312

Site/Project #: South Miami
AMP #: 841
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: South Miami
AMP #: 842
Utility/Units: Water & Sewer/CCF
HUD Incentive: FRS

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments for Seasonality	% Adjustment	Contract Baseline
July			1,382	1,367	1,336	1,362		0.0%	1,362
August			1,363	1,568	1,448	1,466		0.0%	1,466
September			1,011	1,468	1,183	1,241		0.0%	1,241
October			1,029	1,318	1,040	1,119		0.0%	1,119
November			1,177	1,586	1,058	1,259		0.0%	1,259
December			1,291	1,594	1,078	1,328		0.0%	1,328
January			1,176	1,568	1,340	1,326		0.0%	1,326
February			1,084	1,268	1,015	1,122		0.0%	1,122
March			1,245	1,462	971	1,154		0.0%	1,154
April			1,190	1,450	940	1,153		0.0%	1,153
May			1,291	1,195	950	1,119		0.0%	1,119
June			1,525	1,320	1,025	1,290		0.0%	1,290
Total	0	0	14,722	17,172	13,203	15,033	0	0.0%	15,033

Site/Project #: Homeownership (#16), (Scattered Sites)
AMP #: 10
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Homeownership (#16), (Scattered Sites)
AMP #: 10
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Homeownership (#16), (Scattered Sites)
AMP #: 10
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Heritage Village I
AMP #: 10
Utility/Units: Electricity/KWH
HUD Incentive:

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			8,297	7,838	6,254	8,176	0	0.0%	8,176
August			7,953	8,137	6,988	6,690	0	0.0%	6,690
September			8,816	7,765	6,857	7,917	0	0.0%	7,917
October			8,009	13,947	5,433	8,131	0	0.0%	8,131
November			8,148	6,814	5,563	6,588	0	0.0%	6,588
December			7,986	5,481	6,143	6,530	0	0.0%	6,530
January			8,640	5,960	7,965	7,429	0	0.0%	7,429
February			7,348	6,115	6,979	6,481	0	0.0%	6,481
March			7,418	4,988	6,894	6,727	0	0.0%	6,727
April			6,767	5,585	6,572	6,291	0	0.0%	6,291
May			11,593	6,769	7,424	8,210	0	0.0%	8,210
June			9,352	6,195	7,497	7,143	0	0.0%	7,143
Total	0	0	100,528	78,916	81,767	86,926	0	0.0%	86,926

Site/Project #: Heritage Village I
AMP #: 10
Utility/Units: Natural Gas/Therms
HUD Incentive:

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Heritage Village I
AMP #: 10
Utility/Units: Water & Sewer/CCF
HUD Incentive:

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			167	168	0	118		0.0%	118
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			118	245	0	120		0.0%	120
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			22	29	0	17		0.0%	17
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			48	27	0	32		0.0%	32
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	364	469	0	288	0	0.0%	288

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: Heritage Village II
AMP #: 643
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Heritage Village II
AMP #: 643
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Heritage Village II
AMP #: 643
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Wayside
AMP #: 643
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,483	799	970	1,046	0	0.0%	1,046
August			999	0	824	824	0	0.0%	824
September			0	0	881	294	0	0.0%	294
October			1,058	0	954	874	0	0.0%	874
November			825	1,363	1,609	1,078	0	0.0%	1,078
December			921	1,005	1,171	1,000	0	0.0%	1,000
January			9	949	1,149	899	0	0.0%	899
February			1,792	1,153	1,173	1,190	0	0.0%	1,190
March			1,412	1,556	1,605	1,498	0	0.0%	1,498
April			1,485	463	1,188	1,018	0	0.0%	1,018
May			1,354	810	729	964	0	0.0%	964
June			1,008	976	969	912	0	0.0%	912
Total	0	0	12,270	9,879	12,481	11,203	0	0.0%	11,203

Site/Project #: Wayside
AMP #: 643
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Wayside
AMP #: 643
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			16	0	0	3		0.0%	3
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			1	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	17	0	0	4	0	0.0%	4

Site/Project #: Florida City Family
AMP #: 644
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	5	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Florida City Family
AMP #: 644
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Florida City Family
AMP #: 644
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project # Homestead Village
AMP # 644
Utility/Units Electricity/KWH
HUD Incentive NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project # Homestead Village
AMP # 644
Utility/Units Natural Gas/Therms
HUD Incentive NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project # Homestead Village
AMP # 644
Utility/Units Water & Sewer/CCF
HUD Incentive NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project # Perrine Gardens
AMP # 645
Utility/Units Electricity/KWH
HUD Incentive HBI

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			5,788	5,741	5,764	5,671	0	0.0%	5,671
August			5,786	5,421	5,489	5,915	0	0.0%	5,915
September			7,025	5,719	5,730	4,754	0	0.0%	4,754
October			7,566	5,150	5,209	5,979	0	0.0%	5,979
November			7,210	5,280	4,815	5,706	0	0.0%	5,706
December			6,675	5,491	5,012	5,724	0	0.0%	5,724
January			5,895	4,796	4,548	4,913	0	0.0%	4,913
February			4,815	4,296	4,215	4,442	0	0.0%	4,442
March			4,744	5,295	5,363	5,141	0	0.0%	5,141
April			4,743	5,449	5,324	5,503	0	0.0%	5,503
May			5,827	5,292	5,091	5,544	0	0.0%	5,544
June			5,766	5,576	6,280	6,148	0	0.0%	6,148
Total	0	0	74,346	66,853	63,822	68,421	0	0.0%	68,421

Site/Project # Perrine Gardens
AMP # 645
Utility/Units Natural Gas/Therms
HUD Incentive ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			172	185	175	817	0	0.0%	817
August			84	165	170	807	0	0.0%	807
September			92	114	102	193	0	0.0%	193
October			82	125	106	113	0	0.0%	113
November			107	132	134	118	0	0.0%	118
December			117	149	162	163	0	0.0%	163
January			130	187	184	189	0	0.0%	189
February			164	166	146	159	0	0.0%	159
March			171	165	150	167	0	0.0%	167
April			155	154	135	147	0	0.0%	147
May			137	151	125	136	0	0.0%	136
June			121	127	109	129	0	0.0%	129
Total	0	0	1,560	1,824	1,598	1,561	0	0.0%	1,561

Site/Project # Perrine Gardens
AMP # 645
Utility/Units Water & Sewer/CCF
HUD Incentive HBI

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			8,707	9,868	8,019	6,273	-3,258	-83.8%	845
August			7,820	5,870	2,218	5,036	-2,818	-56.0%	2,218
September			8,553	5,317	2,956	4,242	-1,286	-32.7%	2,956
October			9,086	5,874	1,780	5,717	-0,737	-61.1%	1,780
November			7,874	5,007	3,706	3,529	-1,053	-51.7%	1,706
December			8,438	5,153	1,138	3,595	-2,438	-68.2%	1,136
January			8,564	577	3,714	4,025	-4,311	-72.6%	2,314
February			8,907	922	1,197	3,642	-2,448	-67.1%	1,157
March			7,517	5,950	1,192	2,257	-2,960	-63.4%	1,192
April			8,426	892	1,064	3,461	-2,397	-69.3%	1,064
May			8,599	897	1,294	3,687	-2,332	-65.0%	1,294
June			9,679	1,122	1,389	4,653	-2,954	-66.5%	1,389
Total	0	0	103,800	25,291	19,101	46,397	-28,286	-60.5%	19,191

Site/Project # Richmond Homes
AMP # 646
Utility/Units Electricity/KWH
HUD Incentive ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project # Richmond Homes
AMP # 646
Utility/Units Natural Gas/Therms
HUD Incentive NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project # Richmond Homes
AMP # 646
Utility/Units Water & Sewer/CCF
HUD Incentive NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			250	288	426	298		0.0%	298
August			226	243	242	249		0.0%	249
September			296	277	314	276		0.0%	276
October			228	245	280	251		0.0%	251
November			227	268	317	256		0.0%	256
December			262	291	257	265		0.0%	265
January			235	309	286	277		0.0%	277
February			291	251	287	286		0.0%	286
March			260	246	282	264		0.0%	264
April			226	285	267	251		0.0%	251
May			222	307	344	292		0.0%	292
June			241	416	330	301		0.0%	301
Total	0	0	2,956	3,371	3,734	3,266	0	0.0%	3,266

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: FHA Scattered Homes (Scattered)
AMP #: 848
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: FHA Scattered Homes (Scattered)
AMP #: 848
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: FHA Scattered Homes (Scattered)
AMP #: 848
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Naranja
AMP #: 848
Utility/Units: Electricity/KWH
HUD Incentive: ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			2,482	3,501	3,514	3,576	0	0.0%	3,576
August			2,905	3,690	3,699	3,171	0	0.0%	3,171
September			2,648	3,219	3,620	3,162	0	0.0%	3,162
October			2,734	3,007	2,921	2,987	0	0.0%	2,987
November			2,659	2,866	2,883	2,526	0	0.0%	2,526
December			2,029	2,918	1,907	2,288	0	0.0%	2,288
January			1,847	2,782	1,895	2,156	0	0.0%	2,156
February			1,751	2,533	1,746	2,010	0	0.0%	2,010
March			1,787	2,522	1,831	2,053	0	0.0%	2,053
April			1,910	2,689	1,948	2,316	0	0.0%	2,316
May			2,015	2,855	1,831	2,554	0	0.0%	2,554
June			2,066	2,780	1,858	2,544	0	0.0%	2,544
Total	0	0	26,157	34,442	26,853	31,241	0	0.0%	31,241

Site/Project #: Naranja
AMP #: 848
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Naranja
AMP #: 848
Utility/Units: Water & Sewer/CCF
HUD Incentive: FROZEN

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			3,479	3,184	3,222	3,272		0.0%	3,272
August			3,601	3,177	3,490	3,296		0.0%	3,296
September			4,272	3,952	4,419	4,115		0.0%	4,115
October			6,137	3,700	4,096	4,122		0.0%	4,122
November			3,229	3,106	4,415	3,583		0.0%	3,583
December			3,178	3,597	3,727	3,502		0.0%	3,502
January			3,015	3,184	3,712	3,296		0.0%	3,296
February			2,846	3,673	3,864	3,278		0.0%	3,278
March			3,776	3,124	4,013	3,604		0.0%	3,604
April			3,256	3,847	3,458	3,154		0.0%	3,154
May			3,157	3,529	4,059	3,585		0.0%	3,585
June			3,585	3,130	4,084	3,601		0.0%	3,601
Total	0	0	41,437	39,070	47,560	42,603	0	0.0%	42,603

Site/Project #: Moody Village
AMP #: 848
Utility/Units: Electricity/KWH
HUD Incentive: FRZ

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			3,551	3,134	2,452	2,972	0	0.0%	2,972
August			3,365	3,807	2,227	2,900	0	0.0%	2,900
September			3,446	2,634	2,744	2,908	0	0.0%	2,908
October			3,242	3,454	2,271	2,856	0	0.0%	2,856
November			2,902	2,795	2,189	2,652	0	0.0%	2,652
December			3,191	2,680	2,274	2,715	0	0.0%	2,715
January			3,614	3,090	2,641	3,115	0	0.0%	3,115
February			3,078	2,565	2,133	2,477	0	0.0%	2,477
March			2,513	2,960	2,812	2,475	0	0.0%	2,475
April			3,089	2,545	2,874	2,836	0	0.0%	2,836
May			2,965	2,294	2,491	2,580	0	0.0%	2,580
June			3,040	2,212	2,457	2,713	0	0.0%	2,713
Total	0	0	37,731	31,870	29,736	32,178	0	0.0%	32,178

Site/Project #: Moody Village
AMP #: 848
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Moody Village
AMP #: 848
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			2	0	0	1		0.0%	1
September			6	0	0	2		0.0%	2
October			0	0	0	0		0.0%	0
November			1	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			1	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			12	0	0	4		0.0%	4
June			0	0	0	0		0.0%	0
Total	0	0	22	0	0	7	0	0.0%	7

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #:	Pine Island II
AMP #:	846
Utility/Units:	Electricity/KWH
HUD Incentive:	ADD-ON

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			1,129	1,142	1,027	1,264	0	0.0%	1,264
August			1,173	1,076	1,257	1,202	0	0.0%	1,202
September			1,200	1,177	1,044	1,341	0	0.0%	1,341
October			1,222	1,204	1,432	1,293	0	0.0%	1,293
November			1,268	1,343	1,384	1,332	0	0.0%	1,332
December			1,626	1,340	1,414	1,428	0	0.0%	1,428
January			1,515	1,444	1,529	1,562	0	0.0%	1,562
February			1,098	1,125	1,181	1,125	0	0.0%	1,125
March			1,021	1,097	1,206	1,141	0	0.0%	1,141
April			1,040	1,088	1,273	1,159	0	0.0%	1,159
May			987	1,041	1,266	955	0	0.0%	955
June			577	1,291	1,475	1,112	0	0.0%	1,112
Total	0	0	13,741	13,921	17,015	14,853	0	0.0%	14,853

Site/Project #:	Pine Island II
AMP #:	846
Utility/Units:	Natural Gas/Therms
HUD Incentive:	NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #:	Pine Island I
AMP #:	846
Utility/Units:	Water & Sewer/CCF
HUD Incentive:	NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			67	91	0	26		0.0%	26
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			777	16	0	264		0.0%	264
January			0	1	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			139	6	0	45		0.0%	45
April			0	0	0	0		0.0%	0
May			0	1	0	0		0.0%	0
June			72	24	0	32		0.0%	32
Total	0	0	1,055	59	0	368	0	0.0%	368

Site/Project #:	Pine Island III
AMP #:	846
Utility/Units:	Electricity/KWH
HUD Incentive:	NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			7,202	11,141	7,785	9,982	0	0.0%	9,982
August			69,664	80,543	6,199	5,792	0	0.0%	5,792
September			8,554	8,785	8,591	8,413	0	0.0%	8,413
October			9,992	9,160	8,489	7,414	0	0.0%	7,414
November			8,114	4,978	4,583	5,892	0	0.0%	5,892
December			7,021	8,044	4,340	4,958	0	0.0%	4,958
January			3,806	5,950	3,788	3,520	0	0.0%	3,520
February			3,841	3,748	3,349	3,267	0	0.0%	3,267
March			3,918	3,391	3,507	3,262	0	0.0%	3,262
April			4,938	4,740	5,645	4,874	0	0.0%	4,874
May			7,787	8,251	5,302	6,446	0	0.0%	6,446
June			9,488	5,926	6,045	7,871	0	0.0%	7,871
Total	0	0	84,466	71,637	67,707	74,581	0	0.0%	74,581

Site/Project #:	Pine Island III
AMP #:	846
Utility/Units:	Natural Gas/Therms
HUD Incentive:	NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #:	Pine Island III
AMP #:	846
Utility/Units:	Water & Sewer/CCF
HUD Incentive:	NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0		0.0%	0
August			0	0	0	0		0.0%	0
September			32	0	0	11		0.0%	11
October			0	0	0	0		0.0%	0
November			0	0	0	0		0.0%	0
December			4	0	0	2		0.0%	2
January			3	0	0	1		0.0%	1
February			0	0	0	0		0.0%	0
March			1	2	0	1		0.0%	1
April			0	0	0	0		0.0%	0
May			0	0	0	0		0.0%	0
June			16	0	0	9		0.0%	9
Total	0	0	56	18	0	25	0	0.0%	25

Site/Project #:	Arthur Mays Village
AMP #:	847
Utility/Units:	Electricity/KWH
HUD Incentive:	PBB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			5,027	4,905	4,761	5,066	0	0.0%	5,066
August			5,194	5,393	5,645	5,384	0	0.0%	5,384
September			5,218	5,650	5,329	5,329	0	0.0%	5,329
October			5,247	4,222	5,764	4,909	0	0.0%	4,909
November			4,801	4,128	3,453	4,194	0	0.0%	4,194
December			4,260	3,960	3,831	3,801	0	0.0%	3,801
January			3,565	3,412	3,450	3,407	0	0.0%	3,407
February			2,778	3,002	3,153	2,961	0	0.0%	2,961
March			3,218	3,059	3,176	3,002	0	0.0%	3,002
April			3,153	2,921	3,959	3,511	0	0.0%	3,511
May			4,628	4,413	3,258	4,089	0	0.0%	4,089
June			4,573	4,477	4,629	4,557	0	0.0%	4,557
Total	0	0	51,462	49,543	50,979	50,331	0	0.0%	50,331

Site/Project #:	Arthur Mays Village
AMP #:	847
Utility/Units:	Natural Gas/Therms
HUD Incentive:	NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			15	13	15	14	0	0.0%	14
August			15	14	15	15	0	0.0%	15
September			15	17	16	16	0	0.0%	16
October			14	14	13	13	0	0.0%	14
November			15	15	15	15	0	0.0%	15
December			14	15	15	15	0	0.0%	15
January			15	13	13	14	0	0.0%	14
February			14	14	15	14	0	0.0%	14
March			13	13	14	14	0	0.0%	14
April			13	14	15	15	0	0.0%	15
May			14	15	15	15	0	0.0%	15
June			17	15	0	11	0	0.0%	11
Total	0	0	177	178	167	172	0	0.0%	177

Site/Project #:	Arthur Mays Village
AMP #:	847
Utility/Units:	Water & Sewer/CCF
HUD Incentive:	PBB

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			2,462	2,581	2,458	2,477		0.0%	2,477
August			2,062	2,280	2,293	2,212		0.0%	2,212
September			3,553	4,077	3,783	3,805		0.0%	3,805
October			3,061	3,175	2,440	3,225		0.0%	2,225
November			1,914	2,291	2,549	2,172		0.0%	2,272
December			3,736	3,458	3,774	3,723		0.0%	3,723
January			2,068	2,484	2,748	2,417		0.0%	2,417
February			1,972	2,372	2,498	2,247		0.0%	2,247
March			3,253	2,742	4,148	3,714		0.0%	3,714
April			1,797	2,599	2,801	2,399		0.0%	2,399
May			3,404	2,848	2,757	2,603		0.0%	2,603
June			3,913	5,003	4,106	4,344		0.0%	4,344
Total	0	0	31,004	33,663	36,415	34,391	0	0.0%	34,391

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Site/Project #: Southridge I
AMP #: 647
Utility/Units: Electricity/KWH
HUD Incentive: FRD

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			5,441	3,675	6,192	5,752	0	0.0%	5,752
August			4,169	4,684	5,578	4,876	0	0.0%	4,876
September			4,586	4,440	5,940	5,123	0	0.0%	5,123
October			4,944	4,483	4,894	4,407	0	0.0%	4,407
November			4,858	3,512	2,180	3,850	0	0.0%	3,850
December			4,124	4,426	3,150	3,900	0	0.0%	3,900
January			1,913	4,412	3,591	3,955	0	0.0%	3,955
February			2,165	2,940	2,456	3,100	0	0.0%	3,100
March			3,825	3,781	2,443	3,279	0	0.0%	3,279
April			4,119	4,863	2,334	3,767	0	0.0%	3,767
May			4,312	4,905	3,668	3,989	0	0.0%	3,989
June			3,973	5,427	3,161	3,880	0	0.0%	3,880
Total	0	0	51,500	54,488	47,537	51,172	0	0.0%	51,172

Site/Project #: Southridge I
AMP #: 647
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Southridge I
AMP #: 647
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			2	0	0	1		0.0%	1
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			4	0	0	1		0.0%	1
November			0	0	0	0		0.0%	0
December			1	0	0	0		0.0%	0
January			0	0	0	0		0.0%	0
February			0	0	0	0		0.0%	0
March			1	0	0	0		0.0%	0
April			0	0	0	0		0.0%	0
May			1	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	9	0	0	3	0	0.0%	3

Site/Project #: Southridge II
AMP #: 647
Utility/Units: Electricity/KWH
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Southridge II
AMP #: 647
Utility/Units: Natural Gas/Therms
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			0	0	0	0	0	0.0%	0
August			0	0	0	0	0	0.0%	0
September			0	0	0	0	0	0.0%	0
October			0	0	0	0	0	0.0%	0
November			0	0	0	0	0	0.0%	0
December			0	0	0	0	0	0.0%	0
January			0	0	0	0	0	0.0%	0
February			0	0	0	0	0	0.0%	0
March			0	0	0	0	0	0.0%	0
April			0	0	0	0	0	0.0%	0
May			0	0	0	0	0	0.0%	0
June			0	0	0	0	0	0.0%	0
Total	0	0	0	0	0	0	0	0.0%	0

Site/Project #: Southridge II
AMP #: 647
Utility/Units: Water & Sewer/CCF
HUD Incentive: NONE

Month	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
July			5	2	0	2		0.0%	2
August			0	0	0	0		0.0%	0
September			0	0	0	0		0.0%	0
October			15	3	0	7		0.0%	7
November			0	0	0	0		0.0%	0
December			0	0	0	0		0.0%	0
January			18	0	0	6		0.0%	6
February			0	0	0	0		0.0%	0
March			0	0	0	0		0.0%	0
April			23	0	0	8		0.0%	8
May			0	0	0	0		0.0%	0
June			0	0	0	0		0.0%	0
Total	0	0	62	7	0	23	0	0.0%	23

APPENDIX D - AUTHORITY-PAID UTILITY BASELINES
Miami-Dade Public Housing Authority

Electricity/KWH	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
Project-Billing Baselines by AMP #									
AMP # 615	0	0	0	0	0	0	0	0.0%	0
AMP # 617	0	0	1,428,840	1,510,040	1,610,640	1,521,506	0	0.0%	1,521,506
AMP # 621	0	0	22,207	22,245	16,826	20,245	0	0.0%	20,245
AMP # 622	0	0	478,549	458,600	382,310	425,653	0	0.0%	425,863
AMP # 623	0	0	1,606,841	1,687,033	961,318	1,691,731	0	0.0%	1,691,731
AMP # 624	0	0	0	0	0	0	0	0.0%	0
AMP # 625	0	0	80,771	81,780	62,356	74,927	0	0.0%	74,927
AMP # 626	0	0	0	0	0	0	0	0.0%	0
AMP # 627	0	0	0	0	0	0	0	0.0%	0
AMP # 628	0	0	74,564	46,496	36,008	52,353	0	0.0%	52,353
AMP # 629	0	0	0	0	0	0	0	0.0%	0
AMP # 630	0	0	199,000	218,760	223,270	207,320	0	0.0%	207,320
AMP # 631	0	0	0	0	0	0	0	0.0%	0
AMP # 632	0	0	0	0	0	0	0	0.0%	0
AMP # 633	0	0	0	0	0	0	0	0.0%	0
AMP # 634	0	0	0	0	0	0	0	0.0%	0
AMP # 635	0	0	0	0	0	0	0	0.0%	0
AMP # 636	0	0	0	0	0	0	0	0.0%	0
AMP # 637	0	0	31,844	31,321	25,372	21,456	0	0.0%	21,459
AMP # 638	0	0	0	0	0	0	0	0.0%	0
AMP # 639	0	0	197,493	204,570	204,307	202,123	0	0.0%	202,123
AMP # 640	0	0	492,270	442,516	516,813	485,866	0	0.0%	485,866
AMP # 641	0	0	52,915	47,367	58,246	52,966	0	0.0%	52,966
AMP # 642	0	0	49,782	48,348	42,759	47,317	0	0.0%	47,317
AMP # 643	0	0	56,125	53,041	58,089	55,565	0	0.0%	55,565
AMP # 644	0	0	0	0	0	0	0	0.0%	0
AMP # 645	0	0	95,408	84,787	80,174	86,621	0	0.0%	86,621
AMP # 646	0	0	37,877	31,670	29,736	33,128	0	0.0%	33,128
AMP # 647	0	0	141,531	112,092	108,117	110,578	44,088	39.9%	154,620
AMP # 10	0	0	0	0	0	0	0	0.0%	0
Total Project Billing Base						4,411,527	44,088	1.0%	4,455,607

Natural Gas/Therms	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Unadjusted	Adjustments to Baseline	% Adjustment	Contract Baseline
Project-Billing Baselines by AMP #									
AMP # 615	0	0	0	0	0	0	0	0.0%	0
AMP # 617	0	0	0	0	0	0	0	0.0%	0
AMP # 621	0	0	0	0	0	0	0	0.0%	0
AMP # 622	0	0	11,904	10,734	9,773	10,527	0	0.0%	10,527
AMP # 623	0	0	0	0	0	0	0	0.0%	0
AMP # 624	0	0	36,356	36,472	21,902	31,576	44,162	139.8%	75,737
AMP # 625	0	0	0	0	0	0	0	0.0%	0
AMP # 626	0	0	0	0	0	0	0	0.0%	0
AMP # 627	0	0	0	0	0	0	0	0.0%	0
AMP # 628	0	0	4,464	4,274	4,530	4,423	0	0.0%	4,423
AMP # 629	0	0	8,111	7,301	8,360	7,767	0	0.0%	7,767
AMP # 630	0	0	0	0	0	0	0	0.0%	0
AMP # 631	0	0	0	0	0	0	0	0.0%	0
AMP # 632	0	0	0	0	0	0	0	0.0%	0
AMP # 633	0	0	0	0	0	0	0	0.0%	0
AMP # 634	0	0	0	0	0	0	0	0.0%	0
AMP # 635	0	0	0	0	0	0	0	0.0%	0
AMP # 636	0	0	0	0	0	0	0	0.0%	0
AMP # 637	0	0	0	0	0	0	0	0.0%	0
AMP # 638	0	0	0	0	0	0	0	0.0%	0
AMP # 639	0	0	0	0	0	0	0	0.0%	0
AMP # 640	0	0	0	0	0	0	0	0.0%	0
AMP # 641	0	0	0	0	0	0	0	0.0%	0
AMP # 642	0	0	0	0	0	0	0	0.0%	0
AMP # 643	0	0	0	0	0	0	0	0.0%	0
AMP # 644	0	0	0	0	0	0	0	0.0%	0
AMP # 645	0	0	0	0	0	0	0	0.0%	0
AMP # 646	0	0	0	0	0	0	0	0.0%	0
AMP # 647	0	0	0	0	0	0	0	0.0%	0
AMP # 10	0	0	0	0	0	0	0	0.0%	0
Total Project Billing Base						84,319	44,162	76.9%	128,913

Water & Sewer/CCF	FY2008	FY2009	FY2010	FY2011	FY2012	Baseline Use - Inc. Data Correction	Adjustments to Baseline	% Adjustment	Contract Baseline
Project-Billing Baselines by AMP #									
AMP # 615	0	0	0	0	0	0	0	0.0%	0
AMP # 617	0	0	3,026	3,660	3,773	3,591	0	0.0%	3,591
AMP # 621	0	0	21,738	25,000	29,035	26,928	0	0.0%	26,928
AMP # 622	0	0	14,538	14,665	12,567	13,915	0	0.0%	13,915
AMP # 623	0	0	36,952	40,349	42,760	40,020	0	0.0%	40,020
AMP # 624	0	0	113,000	126,003	126,278	123,092	0	0.0%	123,092
AMP # 625	0	0	24,529	24,027	25,292	24,616	5,045	4.5%	29,709
AMP # 626	0	0	1,957	1,878	2,126	1,920	0	0.0%	1,920
AMP # 627	0	0	0	0	0	0	0	0.0%	0
AMP # 628	0	0	43,481	65,964	66,190	58,265	-14,446	-21.1%	53,865
AMP # 629	0	0	30,544	30,884	27,293	29,574	-894	-3.2%	28,680
AMP # 630	0	0	29,152	29,898	28,531	29,728	0	0.0%	29,728
AMP # 631	0	0	54,978	58,051	47,350	52,792	0	0.0%	52,792
AMP # 632	0	0	4,952	7,244	5,959	5,997	0	0.0%	5,997
AMP # 633	0	0	11,967	15,267	16,231	14,922	0	0.0%	14,922
AMP # 634	0	0	7,570	7,281	6,570	7,290	0	0.0%	7,290
AMP # 635	0	0	0	0	0	0	0	0.0%	0
AMP # 636	0	0	0	0	0	0	0	0.0%	0
AMP # 637	0	0	11,431	13,753	14,186	12,490	-146	-1.2%	12,341
AMP # 638	0	0	0	0	0	0	0	0.0%	0
AMP # 639	0	0	6,768	7,245	7,197	7,070	1,097	15.5%	8,168
AMP # 640	0	0	10,554	9,918	10,072	9,879	0	0.0%	9,879
AMP # 641	0	0	24,008	33,262	36,072	24,448	0	0.0%	24,448
AMP # 642	0	0	16,722	17,872	12,295	15,529	0	0.0%	15,529
AMP # 643	0	0	2,784	2,285	3,307	3,441	0	0.0%	3,441
AMP # 644	0	0	10,600	11,180	12,066	11,282	0	0.0%	11,282
AMP # 645	0	0	109,436	27,376	31,994	59,602	-29,467	-58.7%	29,140
AMP # 646	0	0	42,791	41,403	49,226	44,483	0	0.0%	44,483
AMP # 647	0	0	30,087	40,963	40,764	36,925	0	0.0%	36,925
AMP # 10	0	0	0	0	0	0	0	0.0%	0
Total Project Billing Base						471,436	442,884		478,247

APPENDIX E-1
CONTRACT COST, ANNUAL SERVICES & HOURLY RATES

(a) Miami-Dade County – Public Housing and Community Development agrees to pay to Ameresco, the amount equal to the Total Contract Cost, as indicated below, for the Scope of Work presented in Appendix B in accordance with the terms described in Section 11 of the Agreement. The Total Contract Cost is subject to change in accordance with the provisions of Section 11 of the Agreement.

CONTRACT COST: $18,594,069

(b) Annual Services Fee for Phase III Operations Services: In accordance with Section 6 of the Agreement, annual services provided as described during the Project Operation Phase shall be paid as an annual fee to Ameresco, in the following amounts:

Project Year	Annual Cost
1	$152,527
2	$157,103
3	$161,816
4	$166,670
5	$171,671
6	$176,821
7	$182,125
8	$187,589
9	$193,217
10	$199,013
11	$204,984
12	$211,133
13	$217,467
14	$223,991

YEAR 1 ANNUAL SERVICES FEE: $152,527 with 3% annual inflation adjustment.

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(c) Hourly Rates of Ameresco Employees (for additional services):

Billing Rates as of 1/1/14 (subject to 3% annual escalation)
Ameresco, Inc.

Vice President	*$165*
Corporate Counsel	*$165*
Director	*$130*
Professional Engineer	*$130*
Project Manager	*$125*
Operation Manager	*$100*
Energy Engineer	*$100*
Financial Analyst	*$100*
Administrative Assistant	*$65*

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E-2 CHANGE ORDER FORM

(Request & Agreement for change in Plans and/ or Specifications and/ or Contract)

Change Request No. _____

By PHA: _____ Date: _____

Department: _____ Title: _____

Project/Contract No. _____ Site Name/No. _____

I. REQUEST

Description of change: _____

_____

_____

_____

II. AMERESCO AGREEMENT

For all costs involved in this change including extensions of time herein requested, Ameresco proposes to perform the work described in accordance with the provisions of the subject Agreement and certifies that the attached cost data is accurate, complete and current, and mathematically correct.

Payment shall be made on the basis of:

( )	(a)	Predetermined lump sum total of	(add) (deduct)	$
( )	(b)	Lump sum "not-to-exceed" (Max. price based on contract or negotiated unit prices)	(add) (deduct)	$
( )	(c)	Time & Material Basis "not-to-exceed" (Computed in accordance with provisions of the Contract)	(add) (deduct)	$

Place an "X" beside selected proposal method and strike out either (add) or (deduct) whichever does not apply. If necessary, attach detailed estimates and breakdown for above in accordance with change order instruction. A claim for work performed under protest shall be submitted per (c) above.

An extension of contract time of _____ calendar days to _____ is requested.

By: _____

Date: _____

Title: _____

PHA APPROVAL:

By: _____

Date: _____

Title: _____

Contract Award	$_____
Previous Additions	$_____
Previous Deductions	$_____
Net Total	$_____
This Change	$_____
Total	$_____

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APPENDIX F – 1
NOTICE OF SUBSTANTIAL COMPLETION

Ameresco hereby submits to the Miami-Dade County – Public Housing and Community Development Notice of Substantial Completion of the following listed portion of the Energy Conservation Measures (the "ECMs") described in Appendix B to the Energy Services Agreement (the "Agreement") between the PHA and Ameresco, as substantially complete and in good working condition, capable of operating in a manner consistent with the manufacturer's intended use.

Date: _____

ECMs (and/or Developments) Included in this Notice (listed below):

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APPENDIX F - 2
DELIVERY AND ACCEPTANCE CERTIFICATE

Miami-Dade County – Public Housing and Community Development hereby acknowledges receipt of that portion of the Energy Conservation Measures (the "ECMs") described in Appendix B to the Energy Services Agreement (the "Agreement") between the PHA and Ameresco and submitted by Ameresco in its Notice of Substantial Completion dated _____, and accepts such portion as complete and in good working condition after full inspection thereof.

Miami-Dade County – Public Housing and Community Development

By: _____

Name: _____

Title: _____

Date: _____

APPENDIX G
– MONITORING AND SAVINGS VERIFICATION PLAN

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- Proposed HUD Incentives By Site
- Utility Savings Methodologies
- G-1 Frozen Rolling Base Savings Sample Calculation
- G-2 Add-On Incentive Savings
- G-3 Tenant Utility Allowance Savings
- G-4 Floor Savings Rates
- G-5 Measurement & Verification Protocol By Measure
  - G-5.1 Install HET Toilets (ECM-1)
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  - G-5.16 Building Models
- G-6 Utility Account Data
  - G-6.1 Summary of Utility Providers
  - G-6.2 Summary of Electric Frozen Rolling Base Accounts
  - G-6.3 Summary of Natural Gas Frozen Rolling Base Accounts
  - G-6.4 Summary of Water/Sewer Frozen Rolling Base Accounts
- G-7 Utility Allowance Adjustments

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The following table identifies the HUD incentives that will be applied by site and utility and used to determine the savings for the project financing, in accordance with 24 CFR 990.185:

Table G-1: Proposed HUD Incentives by Site

Development	AMP #	Project #	MDPHCD Paid Electricity		MDPHCD Paid Natural Gas		MDPHCD Paid Water & Sewer		Tenant Allowances
			Frozen Base	Add-on Subsidy	Frozen Base	Add-on Subsidy	Frozen Base	Add-on Subsidy	Allowance Adjustment[1]
Gwen Cherry 22	821	1		X				X	E
Gwen Cherry 20	821	4	X					X	E
Newberg	821	6							E
Lemon City	821	7		X		X	X		
Ward Towers	822	8	X		X		X		E
Ward Towers ALF	817	13	X				X		
Emmer Turnkey	823	14		X			X		E
Kline Nunn	823	15		X			X		E
Little River Plaza	823	16	X				X		
Peters Plaza	823	18	X				X		E
Twin Lakes	825	22	X				X		E
Palm Towers	825	23		X			X		E
Palm Court	825	24		X		X	X		
Opa Locka Elderly	826	28		X			X		E
Edison Plaza (Elderly)	828	35		X	X		X		
Palmetto Gardens	826	25		X		X		X	E
Jollivette	829	37			X		X		E
Gwen Cherry 07	821	2		X			X		E, G
Gwen Cherry 06	821	3		X				X	E, G
New Haven Gardens/Site 05	821	5					X		E, G
Scattered Sites - A	822	9					X		E, G
Manor Park (Scattered Site)	822	10							E, W
Orchard Villa Homes (Scattered Site)	822	11							E, W
Little River Terrace	823	17		X			X		E
Annie Coleman (Scattered Site) 14	824	19			X		X		E
Annie Coleman (Scattered Site) 15	824	20					X		E
Annie Coleman (Scattered Site) 16	824	21			X		X		E

1 Allowances impacted: E=Electric allowance; G=Natural gas or propane allowance; W=Water and sewer allowance.

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Development	AMP #	Project #	MDPHCD Paid Electricity		MDPHCD Paid Natural Gas		MDPHCD Paid Water & Sewer		Tenant Allowances
			Frozen Base	Add-on Subsidy	Frozen Base	Add-on Subsidy	Frozen Base	Add-on Subsidy	Allowance Adjustment[1]
FHA Homes Dade Co. - C (Scattered)	10	26							E, G, W
Venetian Gardens (Scattered Site)	826	27							E, G, W
Vista Verde (Scattered)	826	29							E, G, W
Liberty Homes	827	33							E, W
Edison Courts	828	34		X			X		E
Edison Park (Family, Scattered Site)	828	36	X						E, G, W
Model Cities - C (Scattered Sites)	829	39					X		E, G
Victory Homes (Scattered Sites)	829	40					X		E, G
Wynwood Elderly	830	43	X			X	X		E
Jack Orr Plaza (OUT)	832	50							
Parkside I & II	832	51		X		X	X		E
Phyllis Wheatley	833	53		X		X	X		E
Claude Pepper	833	54		X			X		
Helen Sawyer Plaza, ALF	834	55		X		X	X		
Donn Gardens	837	59		X			X		E
Abe Arronovitz	837	60	X			X	X		E
Scattered Site 9 - D	837	63					X		E
Scattered Site 11 - D	837	64		X			X		E
Falk Turnkey	839	68		X			X		E
Jose Marti Plaza	839	69	X			X	X		E
Harry Cain	840	73	X			X	X		E
In Cities -Wynwood (Scattered Site)	830	41		X					E, W
Buena Vista Homes (Scattered)	830	42							E, G, W
Wynwood Homes - C (Scattered)	830	44							E, G, W
Gwen Cherry 23 - C (Scattered)	830	45					X		E, G
Rainbow Village	830	46		X			X		E, G
Town Park	830	47		X					E, G, W
Culmer Place	831	48					X		E, G
Culmer Gardens	831	49							E, G, W
Little Havana Homes (Scattered)	839	70	X				X		E, W
Gwen Cherry 08	841	74		X			X		E

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Development	AMP #	Project #	MDPHCD Paid Electricity		MDPHCD Paid Natural Gas		MDPHCD Paid Water & Sewer		Tenant Allowances
			Frozen Base	Add-on Subsidy	Frozen Base	Add-on Subsidy	Frozen Base	Add-on Subsidy	Allowance Adjustment[1]
Gwen Cherry 12	841	75		X			X		E, G
Gwen Cherry 13	841	76		X			X		E, G
Gwen Cherry 14	841	77	X				X		E, G
Gwen Cherry 15	841	78		X			X		E, G
Gwen Cherry 16	841	79		X			X		E, G
Allapallah Homes (Scattered Site)	841	80							E, W
Santa Clara Homes (Scattered Site)	841	81							E, W
Biscayne Plaza	843	88	X				X		E
Homestead Gardens	844	92		X			X		E
Florida City Gardens	844	94		X					E, W
W. Homestead Gardens	844	95		X				X	E
Homestead East	844	97		X				X	E
Perrine Villas	845	100	X				X		E
Moody Gardens	846	106		X			X		E
Goulds Plaza	847	108	X				X		E
Grove Homes (Scattered Sites)	842	83							E, W
South Miami	842	85	X				X		E, G
Homeownership (010), (Scattered Sites)	815	87							E, W
Heritage Village II	843	90							E, W
Wayside	843	91							E, W
Florida City Family	844	93							E, W
Homestead Village	844	96							E, W
Perrine Gardens	845	98	X			X	X		E
Richmond Homes	845	99		X					E, W
FHA Scattered Homes (Scattered)	845	101							E, W
Naranja	846	102		X			X		E
Moody Village	846	103	X						E, W
Pine Island I	846	104		X					E, W
Pine Island II	846	105							E, W
Arthur Mays Village	847	107	X				X		E, G
Southridge I	847	109	X						E, G, W
Southridge II	847	110							E, G, W

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Utility Savings Calculation Methodologies

Frozen Rolling Base - (FRB)

Master-metered electric, natural gas, and water consumption savings for select sites identified in Table G-1 will be determined utilizing the Frozen Rolling Base method, where usage savings will be measured at the meter. A sample calculation for the Frozen Rolling Base Method is presented in Appendix G-1. The frozen baselines may be weather or occupancy adjusted as necessary, or other adjustments may be provided, as defined in Sections 8 and 10 of the ESA. Appendix G-6 presents the utility accounts that will be monitored.

Add-On Operating Incentive - (AOS)

The PHA will apply for and receive an Additional Operating Subsidy for calculated master-metered electricity, gas and water savings for select sites identified in Table G.1. Appendix G-2 summarizes these savings by site and AMP, while Appendix G-5 presents the calculation methodologies.

Utility Allowance Savings - (UAS)

The PHA will apply for and receive an Incentive for the difference between present utility allowances for individually-metered, resident-paid utilities and the resultant utility allowances created by consumption savings for those utilities identified in Table G.1. Appendix G-3 presents a summary of the utility allowance savings by site, while Appendix G-5 presents the calculation methodologies.

Total Savings for Financing and Guarantee

The Total Savings for the performance contract equals the sum of the Add-On Operating Incentive, the Utility Allowance Savings and the savings generated by the Frozen Rolling Base method. In the case of the frozen base and the utility allowance savings, the consumption savings are valued at the greater of the then-current rates or the floor rates as presented in Appendix G-4, while the Add-On Operating Incentive calculated in Appendix G-2 will be valued at the floor rates presented in Appendix G-4.

For ease of display in this Appendix, Ameresco shows the savings verification methodology in the order in which the Options are listed in the International Performance Measurement and Verification Protocol (IPMVP), with Option A approach first and Option C second, even if the majority of savings are being monitored using Option C.

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$$Savings_{Total} = \left(\sum_{OptionC}^{Authority-Paid} Savings\ (Electric, Gas, Water) + \sum_{OptionA}^{Authority-Paid} Savings\ (Electric, Gas, Water) + \sum_{OptionA}^{Tenant-Paid} Savings(Electric, Gas, Water) \right)$$

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Appendix G-1: Frozen Rolling Base Savings Sample Calculation

APPENDIX G-1
FROZEN ROLLING BASE SAVINGS SAMPLE CALCULATION

MIAMI-DADE PUBLIC HOUSING AND COMMUNITY DEVELOPMENT

The sample savings calculations below are based on estimated post-retrofit use for all utilities that shall be monitored using the Frozen Rolling Base method.
See Appendix D for Frozen Rolling Base utilities by development.

							Post-Retrofit Costs		Savings				
TOTALS	**Frozen Base** A	*Adjustments [3]* B	*Adjusted Base* C=A+B	*Post-Retrofit Use* D	*Savings* E=C-D	*% Savings* F=E/C	*Actual Rate* G=H/D	*Total Cost* H	*Savings Rate [4]* I	*Usage Cost Savings* J=E×I	*Adjustments [5]* K	*Total Savings* L=J+K	*Base Cost* M=H÷L
Electric (kWh)	**4,455,607**	*0*	*4,455,607*	*3,441,036*	*1,014,570*	*22.8%*	*$0.0885*	*$304,678*	*$0.0938*	*$95,216*	*$0*	*$95,216*	*$399,894*
Gas (Therms)	**98,913**	*0*	*98,913*	*79,304*	*19,609*	*19.8%*	*$1.2567*	*$99,664*	*$1.2681*	*$24,866*	*$0*	*$24,866*	*$124,530*
Water (CCFs)	**628,140**	*0*	*628,140*	*487,002*	*141,138*	*22.5%*	*$9.2128*	*$4,486,667*	*$8.9096*	*$1,257,481*	*$0*	*$1,257,481*	*$5,744,148*
Total								$4,891,009				$1,377,564	$6,268,573

NOTES:
1. Entries in bold print (frozen base) include only sites included in the frozen rolling base per Table G.1 and will remain constant through the contract term.
2. Entries in italics *(actual use and cost, adjustments)* will change annually.
3. Adjustments to the baseline may include weather, occupancy, or other reasonable adjustments, in accordance with the terms of the ESA.
4. The savings are valued at the higher of the then-current published retail utility rates or the Floor Rates presented in Appendix G-4.
   The Savings Rate shown above is a weighted average based on consumption savings, and therefore may differ from the actual delivered rate.
5. The savings for Contract Years 2-20 is based on the Year 1 subsidy, escalated annually for all savings categories and adjusted for Life Cycle Savings Reductions.
   The savings for ECMs 9 and 10 are fully reduced after the 12th year due to the life expectancy of the equipment.

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Formulae for Savings for Frozen Base Measures:

Water & Sewer Savings in CCFs = [Baseline Metered Water Use in CCFs] + [Baseline Water Adjustments (if any) in CCFs] – [Actual Metered Water Use in CCFs], not less than zero

Natural Gas Savings in Therms = [Baseline Metered Gas Use in Therms] + [Baseline Gas Adjustments (if any) in Therms] – [Actual Metered Gas Use in Therms], not less than zero

Electric Savings in kWh = [Baseline Metered Electric Use in kWh] + [Baseline Electric Adjustments (if any) in kWh] – [Actual Metered Electric Use in kWh], not less than zero

Input Values:

Actual metered water, natural gas and electric data, where the post-metered usage will refer to the utility account numbers listed in Appendix G-6.

Output Values:

The water and sewer, natural gas, and electric savings will be determined based on the comparison of pre- and post-metered usage, after the proper adjustments (if any) are made.

Inspections & Baseline/Savings Adjustments:

After the installation of each FRB ECM, then subsequently in years 6, 11, and 16 (every 5th year after post installation inspection) Ameresco will verify the operation (Operation Verification) of the equipment installed as part of each FRB ECM by visually inspecting a sample of units at the developments where the Option C - FRB M&V Approach is utilized to verify that the equipment is still installed and functioning as intended. These visual inspections will be taken for a randomly selected quantity of units as required to ensure an 80% confidence level and 10% precision level per AMP and the results of these inspections will be reported to PHA. In addition to the required 5th year inspections, Ameresco will perform annual visual inspections on a smaller sample group to ensure the ECMs are still functioning according to specification.

For each year of the contract term, Ameresco will compile and review utility billing to verify differences between baseline consumption and actual consumption. Results of this analysis will be reported to PHA annually.

Baseline adjustments may include the addition of new water or energy consuming equipment, installation of new or recalibration of existing utility meters, changes in occupancy, or other material changes to the Facilities as defined in Appendix G-5.15

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Baseline Adjustments and or in Sections 8 and 10 of the ESA. In addition, energy consumption data associated with heating or cooling will be normalized for actual (then-current) weather conditions, with minimum (floor) values per the Baseline.

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Appendix G-2: Add-on Incentive Savings

APPENDIX G-2
ADD-ON SUBSIDY SAVINGS SUMMARY

MIAMI-DADE PUBLIC HOUSING AND COMMUNITY DEVELOPMENT

NOTES:

1. Pre-retrofit Baseline Use by development is presented in Appendix D.
2. Stipulated savings shall be consumption-based and equal to the computed savings presented in Appendix G-5.
3. The Savings Rates applied to consumption savings are valued at the floor rates in effect during each year of project repayment per Appendix G-4.
4. The savings in years 2-20 will be based on the year 1 savings, escalated at 3% annually.

Table G-2.1. Calculated Master-Metered Electric (kWh) Savings

Gwen Cherry 22	821	6,635	0	0	0	0	0	0	0	0	0	613	0	613	$0.1030	$ 63	9.2%
Lemon City	821	690,271	0	0	0	6,688	42,026	0	0	16,636	0	18,024	0	85,374	$0.0850	$ 7,260	12.4%
Emmer Turnkey	823	22,838	0	0	501	534	0	0	0	0	0	5,913	0	6,947	$0.1030	$ 715	30.4%
Kline Nunn	823	26,965	0	0	378	492	0	0	0	0	0	8,721	0	9,591	$0.1030	$ 987	35.6%
Palm Towers	825	273,780	0	0	1,113	9,601	0	0	0	0	19,885	5,357	0	35,956	$0.0834	$ 2,997	13.1%
Palm Court	825	609,723	0	0	0	10,189	31,128	0	0	24,232	0	15,137	0	80,687	$0.0847	$ 6,834	13.2%
Opa Locka Elderly	826	63,474	0	0	601	0	0	0	0	0	0	4,354	0	4,955	$0.1030	$ 510	7.8%
Edison Plaza (Elderly)	826	740,477	0	0	0	1,829	22,210	0	0	14,453	0	10,595	0	49,087	$0.0800	$ 3,926	6.6%
Palmetto Gardens	826	97,195	0	0	0	2,922	0	0	0	0	0	0	0	2,922	$0.0804	$ 235	3.0%
Gwen Cherry 07	821	19,852	0	0	0	0	0	0	0	0	0	5,948	0	5,948	$0.1030	$ 612	30.0%
Gwen Cherry 06	821	11,962	0	0	0	0	0	0	0	0	0	4,520	0	4,520	$0.1221	$ 552	37.7%
Little River Terrace	823	54,713	0	0	0	1,313	0	0	0	0	0	4,310	269	5,891	$0.1030	$ 607	10.8%
Liberty Square (2)	827	0	0	0	0	0	0	0	0	0	0	0	0	0	$0.0847	$ 0	-
Edison Courts	828	95,698	0	0	0	11,138	0	0	0	0	0	0	0	11,138	$0.1038	$ 1,156	11.6%
Perkside I & II	832	35,857	0	0	0	603	0	0	0	0	0	10,065	0	10,668	$0.1030	$ 1,099	29.7%
Phyllis Wheatley	833	86,106	0	0	0	4,015	0	0	0	0	0	6,662	0	10,677	$0.0840	$ 897	12.1%
Claude Pepper	833	1,378,480	0	63,795	1,992	4,224	19,560	0	0	0	0	12,063	0	101,632	$0.0840	$ 8,538	7.4%
Helen Sawyer Plaza, ALF	834	953,360	0	0	0	15,656	32,359	0	0	36,952	0	9,837	0	94,805	$0.0840	$ 7,965	9.9%
Haley Sofge Towers	835	3,944,000	0	0	0	0	0	0	0	0	0	0	0	0	$0.0840	$ 0	0.0%
Donn Gardens	837	167,417	0	0	768	0	0	0	0	0	0	3,679	0	4,447	$0.0840	$ 374	2.7%
Scattered Site 11 - D	837	16,603	0	0	0	250	0	0	0	0	0	0	0	250	$0.1030	$ 26	1.5%
Three Round Towers	838	279,860	0	0	0	0	0	0	0	0	0	0	0	0	$0.0840	$ 0	0.0%
Falk Turnkey	839	20,429	0	0	545	250	0	1,059	0	0	0	7,133	0	8,987	$0.1030	$ 925	44.0%
Joe Moretti	840	155,041	0	0	0	0	0	0	0	0	0	0	0	0	$0.0966	$ 0	0.0%
Medvin Apartments	840	2,186	0	0	0	0	0	0	0	0	0	0	0	0	$0.1030	$ 0	0.0%
In Cities -Wynwood (Scattered Site)	830	6,548	0	0	0	0	0	0	0	0	0	3,649	0	3,649	$0.1030	$ 376	55.7%
Rainbow Village	830	46,522	0	0	0	3,947	0	0	0	0	0	0	0	3,947	$0.1365	$ 539	8.5%
Town Park	830	20,160	0	0	0	0	0	0	0	0	0	12,211	0	12,211	$0.0751	$ 917	60.6%
Gwen Cherry 08	841	27,264	0	0	0	0	0	0	0	0	0	4,818	0	4,818	$0.0756	$ 364	17.7%
Gwen Cherry 12	841	501	0	0	0	0	0	0	0	0	0	2,930	0	2,930	$0.1030	$ 302	584.9%
Gwen Cherry 13	841	44,636	0	0	0	0	0	0	0	0	0	6,509	0	6,509	$0.1030	$ 670	14.6%
Gwen Cherry 15	841	8,750	0	0	0	0	0	0	0	0	0	4,818	0	4,818	$0.1030	$ 496	55.1%
Gwen Cherry 16	841	42,586	0	0	0	0	0	0	0	0	0	10,056	0	10,056	$0.1030	$ 1,035	23.6%
Homestead Gardens	844	121,999	0	0	4,284	3,730	0	0	0	0	0	0	0	8,014	$0.1277	$ 1,023	6.6%
Florida City Gardens	844	8,570	0	0	523	444	0	0	0	0	0	6,256	0	7,233	$0.1030	$ 745	84.4%
W. Homestead Gardens	844	3,637	0	0	89	0	0	0	0	0	0	0	0	89	$0.1277	$ 11	2.4%
Homestead East	844	24,477	0	0	345	58	0	0	0	0	0	0	0	403	$0.1277	$ 51	1.6%
Moody Gardens	846	19,918	0	0	478	1,414	0	0	0	0	0	8,749	0	10,641	$0.1030	$ 1,096	53.4%
Richmond Homes	845	0	0	0	0	0	0	0	0	0	0	4,446	0	4,446	$0.0751	$ 334	-
Naranja	846	31,241	0	0	0	3,605	0	0	0	0	0	0	0	3,605	$0.1030	$ 371	11.5%
Pine Island I	846	14,893	0	0	0	2,300	0	0	0	0	0	0	0	2,300	$0.1030	$ 237	15.4%
Total		16,636,105	0	63,795	11,617	85,202	147,283	1,059	0	94,274	19,885	197,383	269	620,765		$ 54,845	3.7%

Table G-2.2. Calculated Master-Metered Gas (Therm) Savings

	Area	Baseline Usage	Cooktop Efficiency Savings	Tankless Water Heater Savings	Low-Flow Showerhead Savings	Low-Flow Faucet Aerator Savings	Toilet Upgrade Apartment Savings	Toilet Upgrade Common Area Savings	Boiler Efficiency Savings	Laundry Machine Savings	Solar Domestic Hot Water Savings	Solar Thermal Pool Heating Savings	Solar Thermal Laundry Savings	Total Savings (Therms)	Gas Rate ($/Therm)	Annual Cost Savings	Savings Percentage
Lemon City	821	8,747	0	886	49	0	0	0	0	0	0	0	0	936	$1.1878	$ 1,111	10.7%
Ward Towers ALF	817	7,945	0	0	0	0	0	0	0	0	-625	0	0	-625	$1.2691	$ (793)	-7.9%
Little River Plaza	823	6,487	0	407	35	0	0	0	0	0	-509	0	0	-67	$1.1878	$ (80)	-1.0%
Peters Plaza	823	9,469	0	0	0	0	0	0	0	0	-699	0	0	-699	$1.1425	$ (799)	-7.4%
Palm Towers	825	7,062	0	0	0	0	0	0	0	0	-679	0	0	-679	$1.1878	$ (806)	-9.8%
Palm Court	825	6,659	0	880	0	0	0	0	0	0	0	0	0	880	$1.1880	$ 1,045	13.2%
Palmetto Gardens	826	4,128	0	134	22	0	0	0	0	0	0	0	0	156	$1.2691	$ 198	3.6%
Wynwood Elderly	830	5,161	0	1,126	35	0	0	0	0	0	-502	0	0	658	$1.1878	$ 782	12.8%
Parkside I & II	832	3,250	0	615	27	0	0	0	0	0	0	0	0	642	$1.1863	$ 762	19.8%
Phyllis Wheatley	833	3,835	0	613	18	0	0	0	0	0	0	0	0	631	$1.1877	$ 749	16.5%
Helen Sawyer Plaza, ALF	834	8,172	0	713	43	0	0	0	0	0	0	0	0	757	$1.1876	$ 899	9.3%
Abe Arronovitz	837	2,696	0	1,130	27	0	0	0	0	0	-246	0	0	911	$1.1885	$ 1,083	33.8%
Jose Marti Plaza	839	4,804	0	651	31	0	0	0	0	0	0	0	0	682	$1.1877	$ 810	14.2%
Harry Cain	840	10,398	0	711	73	0	0	0	0	0	0	0	0	785	$1.1878	$ 932	7.5%
Perrine Gardens	845	1,591	0	152	0	0	0	0	0	0	0	0	0	152	$1.5830	$ 241	9.6%
Total		245,462	0	8,018	361	0	0	0	0	0	-3,260	0	0	5,119		$ 6,134	2.1%

Table G-2.3. Calculated Master-Metered Water/Sewer Utility Cost Savings

	Area	Baseline Usage	Cooktop Efficiency Savings	Tankless Water Heater Savings	Low-Flow Showerhead Savings	Low-Flow Faucet Aerator Savings	Toilet Upgrade Common Area Savings	Boiler Efficiency Savings	Laundry Machine Savings	Solar Domestic Hot Water Savings	Solar Thermal Pool Heating Savings	Solar Thermal Laundry Savings	Total Savings (kGal)	Water/Sewer Rate ($/kGal)	Annual Cost Savings	Savings Percentage
Gwen Cherry 22	821	764	166	24	0	0	0	0	0	0	0	0	189	$2.1268	$ 403	25%
Gwen Cherry 20	821	888	217	45	0	0	0	0	0	0	0	0	262	$2.1268	$ 557	30%
Palmetto Gardens	826	1,870	253	72	41	0	0	0	0	0	0	0	366	$2.1268	$ 778	20%
Gwen Cherry 06	821	642	84	34	0	0	0	0	0	0	0	0	117	$8.0545	$ 944	18%
W. Homestead Gardens	844	351	25	18	7	0	0	0	0	0	0	0	50	$4.9849	$ 251	14%
Homestead East	844	744	133	57	27	0	0	0	0	0	0	0	217	$4.9849	$ 1,080	29%
Total		828,074	877	250	74	0	0	0	0	0	0	0	1,201		$ 4,012	0%

GRAND TOTAL ADD-ON OPERATING SUBSIDY - YEAR 1	$ 64,990

APPENDIX G-2
ADD-ON SUBSIDY SAVINGS SUMMARY

MIAMI-DADE PUBLIC HOUSING AND COMMUNITY DEVELOPMENT

NOTES:

1. The Add-on Operating Subsidy by AMP for Contract Year 1 is based on the calculated savings presented in Tables G-2.1-G-2.4. The operating subsidy for Contract Years 2-20 is based on the Year 1 subsidy, escalated at 3% annually for all savings categories and adjusted for Life Cycle Savings Reductions.

Table G-2.4. Annual Add-on Operating Subsidy, by AMP

1	$ (793)	$ 11,503	$ 1,430	$ 10,071	$ 1,721	$ 0	$ 5,082	$ 2,614	$ 1,860	$ 10,184	$ 8,863	$ 0	$ 1,402	$ 0	$ 1,735	$ 932	$ 2,667	$ 3,161	$ 575	$ 1,700	$ 64,990
2	$ (816)	$ 11,848	$ 1,473	$ 10,373	$ 1,772	$ 0	$ 5,235	$ 2,692	$ 1,916	$ 10,490	$ 9,129	$ 0	$ 1,626	$ 0	$ 1,787	$ 960	$ 2,953	$ 3,255	$ 592	$ 1,756	$ 66,940
3	$ (841)	$ 12,203	$ 1,517	$ 10,684	$ 1,826	$ 0	$ 5,392	$ 2,773	$ 1,973	$ 10,805	$ 9,403	$ 0	$ 1,572	$ 0	$ 1,840	$ 989	$ 3,042	$ 3,353	$ 610	$ 1,807	$ 68,948
4	$ (866)	$ 12,569	$ 1,563	$ 11,005	$ 1,880	$ 0	$ 5,553	$ 2,856	$ 2,032	$ 11,129	$ 9,685	$ 0	$ 1,619	$ 0	$ 1,896	$ 1,018	$ 3,133	$ 3,454	$ 628	$ 1,861	$ 71,017
5	$ (892)	$ 12,946	$ 1,610	$ 11,335	$ 1,937	$ 0	$ 5,720	$ 2,942	$ 2,093	$ 11,463	$ 9,976	$ 0	$ 1,668	$ 0	$ 1,953	$ 1,049	$ 3,227	$ 3,557	$ 647	$ 1,917	$ 73,147
6	$ (919)	$ 13,335	$ 1,658	$ 11,675	$ 1,995	$ 0	$ 5,891	$ 3,030	$ 2,156	$ 11,807	$ 10,275	$ 0	$ 1,718	$ 0	$ 2,011	$ 1,080	$ 3,324	$ 3,664	$ 667	$ 1,975	$ 75,342
7	$ (946)	$ 13,735	$ 1,708	$ 12,025	$ 2,055	$ 0	$ 6,068	$ 3,121	$ 2,221	$ 12,161	$ 10,583	$ 0	$ 1,770	$ 0	$ 2,071	$ 1,113	$ 3,424	$ 3,774	$ 687	$ 2,034	$ 77,602
8	$ (975)	$ 14,147	$ 1,759	$ 12,386	$ 2,116	$ 0	$ 6,250	$ 3,215	$ 2,287	$ 12,526	$ 10,901	$ 0	$ 1,823	$ 0	$ 2,134	$ 1,146	$ 3,526	$ 3,887	$ 707	$ 2,095	$ 79,930
9	$ (1,004)	$ 14,571	$ 1,812	$ 12,757	$ 2,180	$ 0	$ 6,438	$ 3,311	$ 2,356	$ 12,901	$ 11,226	$ 0	$ 1,877	$ 0	$ 2,198	$ 1,181	$ 3,632	$ 4,004	$ 728	$ 2,158	$ 82,328
10	$ (1,034)	$ 15,008	$ 1,866	$ 13,140	$ 2,245	$ 0	$ 6,631	$ 3,410	$ 2,427	$ 13,288	$ 11,564	$ 0	$ 1,934	$ 0	$ 2,264	$ 1,215	$ 3,741	$ 4,124	$ 751	$ 2,223	$ 84,798
11	$ (1,065)	$ 15,459	$ 1,922	$ 13,534	$ 2,313	$ 0	$ 6,830	$ 3,513	$ 2,499	$ 13,687	$ 11,911	$ 0	$ 1,992	$ 0	$ 2,331	$ 1,252	$ 3,853	$ 4,246	$ 773	$ 2,289	$ 87,342
12	$ (1,097)	$ 15,922	$ 1,980	$ 13,940	$ 2,382	$ 0	$ 7,035	$ 3,618	$ 2,574	$ 14,098	$ 12,269	$ 0	$ 2,051	$ 0	$ 2,401	$ 1,290	$ 3,969	$ 4,375	$ 796	$ 2,358	$ 89,962
13	$ (1,130)	$ 16,400	$ 2,039	$ 14,359	$ 2,453	$ 0	$ 7,246	$ 3,727	$ 2,652	$ 14,521	$ 12,637	$ 0	$ 2,113	$ 0	$ 2,473	$ 1,329	$ 4,088	$ 4,506	$ 820	$ 2,429	$ 92,661
14	$ (1,164)	$ 16,892	$ 2,100	$ 14,789	$ 2,527	$ 0	$ 7,463	$ 3,838	$ 2,731	$ 14,956	$ 13,016	$ 0	$ 2,176	$ 0	$ 2,548	$ 1,369	$ 4,211	$ 4,642	$ 845	$ 2,502	$ 95,441
15	$ (1,199)	$ 17,399	$ 2,163	$ 15,233	$ 2,603	$ 0	$ 7,687	$ 3,954	$ 2,813	$ 15,405	$ 13,406	$ 0	$ 2,242	$ 0	$ 2,624	$ 1,410	$ 4,337	$ 4,781	$ 870	$ 2,577	$ 98,304
16	$ (1,235)	$ 17,921	$ 2,228	$ 15,690	$ 2,681	$ 0	$ 7,918	$ 4,072	$ 2,898	$ 15,867	$ 13,808	$ 0	$ 2,309	$ 0	$ 2,703	$ 1,452	$ 4,467	$ 4,924	$ 896	$ 2,654	$ 101,253
17	$ (1,272)	$ 18,459	$ 2,295	$ 16,161	$ 2,761	$ 0	$ 8,155	$ 4,194	$ 2,984	$ 16,343	$ 14,223	$ 0	$ 2,378	$ 0	$ 2,784	$ 1,495	$ 4,601	$ 5,072	$ 923	$ 2,734	$ 104,291
18	$ (1,310)	$ 19,012	$ 2,364	$ 16,646	$ 2,844	$ 0	$ 8,400	$ 4,320	$ 3,074	$ 16,833	$ 14,649	$ 0	$ 2,449	$ 0	$ 2,867	$ 1,540	$ 4,739	$ 5,224	$ 951	$ 2,816	$ 107,419
19	$ (1,349)	$ 19,583	$ 2,435	$ 17,145	$ 2,930	$ 0	$ 8,652	$ 4,450	$ 3,166	$ 17,338	$ 15,089	$ 0	$ 2,523	$ 0	$ 2,953	$ 1,587	$ 4,881	$ 5,381	$ 979	$ 2,900	$ 110,642
20	$ (1,390)	$ 20,170	$ 2,508	$ 17,659	$ 3,017	$ 0	$ 8,911	$ 4,583	$ 3,261	$ 17,858	$ 15,542	$ 0	$ 2,599	$ 0	$ 3,042	$ 1,634	$ 5,028	$ 5,542	$ 1,009	$ 2,987	$ 113,961
Total	$ (21,298)	$ 309,083	$ 38,430	$ 270,606	$ 46,239	$ 0	$ 136,957	$ 70,234	$ 49,974	$ 273,660	$ 238,156	$ 0	$ 39,821	$ 0	$ 46,616	$ 25,042	$ 77,043	$ 84,928	$ 15,456	$ 45,772	$ 1,746,317

The savings for ECMs 9 and 10 are fully reduced after the 12th year due to the life expectancy of the equipment.

Appendix G-3: Tenant Utility Allowance Savings

APPENDIX G-3
UTILITY ALLOWANCE SAVINGS SUMMARY

MIAMI-DADE PUBLIC HOUSING AND COMMUNITY DEVELOPMENT

NOTES:

1. Pre-retrofit Baseline Use by development is presented in Appendix D.
2. Calculated savings shall be consumption-based and equal to the computed savings presented in Appendix G-5.
3. The Savings Rates applied to the consumption savings shall be valued at the greater of the then-current published retail utility rates or the Floor Rates shown in Table G.4.4.
4. Electric savings from Electric Instantaneous Water Heaters shall be fully discounted after the 12th year of project repayment, to account for the expected 12-year useful life of the measure.

Table G-3.1. Annual Electric (kWh) Allowances Savings Summary

	AMP #	Baseline Use	ECM 1: Install Efficient Fixtures	ECM 2: Install Low-Flow Showerheads & Faucet Aerators	ECM 3: Upgrade Apartment Lighting	ECM 5: Install Electric Instantaneous Water Heaters	Total Savings (kWh)	Savings Rate ($ per kWh)	Simple Year 1 $ Savings ($ per kWh)	Savings as Percent of Baseline
Gwen Cherry 22	821		0	860	5,774	0	6,635	$0.1204	$ 799	-
Gwen Cherry 20	821		0	1,731	6,666	0	8,397	$0.1204	$ 1,011	-
Newberg	821		0	0	39,134	0	39,134	$0.1204	$ 4,711	-
Ward Towers	822		0	0	43,628	0	43,628	$0.1204	$ 5,252	-
Emmer Turnkey	823		0	5,732	13,966	0	19,698	$0.1204	$ 2,371	-
Kline Nunn	823		0	3,855	24,514	0	28,369	$0.1204	$ 3,415	-
Peters Plaza	823		0	15,960	33,876	0	49,836	$0.1204	$ 5,999	-
Twin Lakes	825		0	15,182	22,196	0	37,378	$0.1204	$ 4,500	-
Palm Towers	825		0	20,629	20,814	0	41,444	$0.1204	$ 4,989	-
Opa Locka Elderly	826		0	9,125	13,219	0	22,343	$0.1204	$ 2,690	-
Palmetto Gardens	826		0	0	19,336	0	19,336	$0.1204	$ 2,328	-
Jollivette	829		0	0	48,068	0	48,068	$0.1204	$ 5,787	-
Gwen Cherry 07	821		0	0	28,651	0	28,651	$0.1204	$ 3,449	-
Gwen Cherry 06	821		0	0	8,510	0	8,510	$0.1204	$ 1,024	-
New Haven Gardens/Site 05	821		0	0	77,471	0	77,471	$0.1204	$ 9,326	-
Scattered Sites - A	822		0	0	30,059	0	30,059	$0.1204	$ 3,619	-
Manor Park (Scattered Site)	822		0	25,067	32,020	0	57,087	$0.1204	$ 6,872	-
Orchard Villa Homes (Scattered Site)	822		0	14,316	9,217	0	23,533	$0.1204	$ 2,833	-
Little River Terrace	823		0	82,296	89,205	0	171,501	$0.1204	$ 20,646	-
Annie Coleman (Scattered Site) 14	824		0	0	198,747	0	198,747	$0.1204	$ 23,926	-
Annie Coleman (Scattered Site) 15	824		0	113,268	77,316	0	190,583	$0.1204	$ 22,943	-
Annie Coleman (Scattered Site) 16	824		0	0	159,494	0	159,494	$0.1204	$ 19,201	-
FHA Homes Dade Co. - C (Scattered)	10		0	0	2,069	0	2,069	$0.1204	$ 249	-
Venetian Gardens (Scattered Site)	826		0	0	41,687	0	41,687	$0.1204	$ 5,019	-
Vista Verde (Scattered)	826		0	0	20,526	0	20,526	$0.1204	$ 2,471	-

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Liberty Square (2)	827		0	0	0	0	0	$0.1204	$ 0	-
Liberty Square (3)	827		0	0	0	0	0	$0.1204	$ 0	-
Liberty Square (5)	827		0	0	0	0	0	$0.1204	$ 0	-
Liberty Homes	827		0	34,200	40,077	0	74,277	$0.1204	$ 8,942	-
Edison Courts	828		0	204,118	200,898	0	405,016	$0.1204	$ 48,758	-
Edison Park (Family, Scattered Site)	828		0	0	18,839	0	18,839	$0.1204	$ 2,268	-
Model Cities - C (Scattered Sites)	829		0	0	44,738	0	44,738	$0.1204	$ 5,386	-
Victory Homes (Scattered Sites)	829		0	0	111,293	0	111,293	$0.1204	$ 13,398	-
Wynwood Elderly	830		0	0	28,671	0	28,671	$0.1204	$ 3,452	-
Parkside I & II	832		0	0	19,621	0	19,621	$0.1204	$ 2,362	-
Phyllis Wheatley	833		0	0	9,245	0	9,245	$0.1204	$ 1,113	-
Donn Gardens	837		0	48,010	9,881	0	57,890	$0.1204	$ 6,969	-
Abe Arronovitz	837		0	0	10,008	0	10,008	$0.1204	$ 1,205	-
Scattered Site 9 - D	837		0	4,103	7,469	0	11,573	$0.1204	$ 1,393	-
Scattered Site 11 - D	837		0	11,943	16,352	0	28,295	$0.1204	$ 3,406	-
Three Round Towers	838		0	0	0	0	0	$0.1204	$ 0	-
Falk Turnkey	839		0	15,749	27,441	0	43,190	$0.1204	$ 5,199	-
Jose Marti Plaza	839		0	0	15,479	0	15,479	$0.1204	$ 1,863	-
Joe Moretti	840		0	0	0	0	0	$0.1204	$ 0	-
Medvin Apartments	840		0	0	0	0	0	$0.1204	$ 0	-
Harry Cain	840		0	0	47,477	0	47,477	$0.1204	$ 5,715	-
In Cities -Wynwood (Scattered Site)	830		0	27,213	13,277	0	40,491	$0.1204	$ 4,874	-
Buena Vista Homes (Scattered)	830		0	0	22,432	0	22,432	$0.1204	$ 2,700	-
Wynwood Homes - C (Scattered)	830		0	0	43,050	0	43,050	$0.1204	$ 5,183	-
Gwen Cherry 23 - C (Scattered)	830		0	0	25,692	0	25,692	$0.1204	$ 3,093	-
Rainbow Village	830		0	0	67,996	0	67,996	$0.1204	$ 8,186	-
Town Park	830		0	0	18,175	0	18,175	$0.1204	$ 2,188	-
Culmer Place	831		0	0	27,261	0	27,261	$0.1204	$ 3,282	-
Culmer Gardens	831		0	0	36,580	0	36,580	$0.1204	$ 4,404	-
Little Havana Homes (Scattered)	839		0	23,061	21,173	0	44,234	$0.1204	$ 5,325	-
Gwen Cherry 08	841		0	22,585	16,337	0	38,922	$0.1204	$ 4,686	-
Gwen Cherry 12	841		0	0	5,060	0	5,060	$0.1204	$ 609	-
Gwen Cherry 13	841		0	0	22,687	0	22,687	$0.1204	$ 2,731	-
Gwen Cherry 14	841		0	0	65,448	0	65,448	$0.1204	$ 7,879	-
Gwen Cherry 15	841		0	0	22,951	0	22,951	$0.1204	$ 2,763	-
Gwen Cherry 16	841		0	0	57,942	0	57,942	$0.1204	$ 6,975	-
Allapallah Homes (Scattered Site)	841		0	53,064	44,246	0	97,309	$0.1204	$ 11,715	-
Santa Clara Homes (Scattered Site)	841		0	10,429	5,164	0	15,592	$0.1204	$ 1,877	-
Biscayne Plaza	843		0	20,786	9,261	0	30,047	$0.1277	$ 3,836	-
Homestead Gardens	844		0	66,603	85,593	0	152,196	$0.1277	$ 19,429	-
Florida City Gardens	844		0	13,461	23,659	0	37,120	$0.1204	$ 4,469	-
W. Homestead Gardens	844		0	552	1,960	0	2,512	$0.1277	$ 321	-
Homestead East	844		0	1,674	15,361	0	17,035	$0.1277	$ 2,175	-
Perrine Villas	845		0	5,180	5,565	0	10,745	$0.1204	$ 1,294	-
Moody Gardens	846		0	6,167	11,089	0	17,256	$0.1204	$ 2,077	-
Gould's Plaza	847		0	18,374	16,859	0	35,233	$0.1204	$ 4,242	-
Grove Homes (Scattered Sites)	842		0	13,140	15,025	0	28,165	$0.1204	$ 3,391	-
South Miami	842		0	0	20,511	0	20,511	$0.1204	$ 2,469	-
Homeownership (010), (Scattered Sites)	815		0	896	1,793	0	2,689	$0.1277	$ 343	-
Heritage Village II	843		0	14,834	23,268	0	38,102	$0.1204	$ 4,587	-
Wayside	843		0	0	18,297	0	18,297	$0.1277	$ 2,336	-
Florida City Family	844		0	19,533	17,119	0	36,652	$0.1204	$ 4,412	-
Homestead Village	844		0	9,461	10,113	0	19,573	$0.1277	$ 2,499	-
Perrine Gardens	845		0	72,812	105,225	0	178,037	$0.1204	$ 21,433	-
Richmond Homes	845		0	20,613	13,877	0	34,491	$0.1204	$ 4,152	-
FHA Scattered Homes (Scattered)	845		0	3,711	0	0	3,711	$0.1204	$ 447	-
Naranja	846		0	117,687	139,394	0	257,081	$0.1204	$ 30,949	-
Moody Village	846		0	50,865	63,153	0	114,018	$0.1204	$ 13,726	-
Pine Island I	846		0	0	25,308	0	25,308	$0.1204	$ 3,047	-
Pine Island II	846		0	0	28,639	0	28,639	$0.1204	$ 3,448	-
Arthur Mays Village	847		0	26,385	91,810	0	118,195	$0.1204	$ 14,229	-
Southridge I	847		0	0	7,327	0	7,327	$0.1204	$ 882	-
Southridge II	847		0	0	6,101	0	6,101	$0.1204	$ 735	-
Total		0	0	1,245,230	2,945,435	0	4,190,666		$ 506,253	-

Table G-3.2. Annual Gas (CCF) Allowances Savings Summary

	AMP #	Baseline Use	ECM - 1 Install High Efficiency Toilets	ECM - 2 Install Low Flow Showerheads & Faucet Aerators	ECM - 3 Upgrade Appliances	ECM - 5 Install Electric Instantaneous Water Heaters	Total Savings (CCF)	Savings Rate Year 1 ($/CCF)	Stipulated Gas Savings - Year 1 ($/yr)	Savings as Percent of Baseline
Gwen Cherry 07	821		0	947	0	0	947	$1.1866	$ 1,124	-
Gwen Cherry 06	821		0	39	0	0	39	$2.9247	$ 115	-
New Haven Gardens/Site 05	821		0	102	0	0	102	$1.1866	$ 121	-
Scattered Sites - A	822		0	448	0	0	448	$1.6136	$ 723	-
FHA Homes Dade Co. - C (Scattered)	10		0	57	0	0	57	$1.6582	$ 95	-
Venetian Gardens (Scattered Site)	826		0	1,930	0	0	1,930	$1.6136	$ 3,115	-
Vista Verde (Scattered)	826		0	1,306	0	0	1,306	$1.1866	$ 1,549	-
Edison Park (Family, Scattered Site)	828		0	1,170	0	0	1,170	$1.1866	$ 1,388	-
Model Cities - C (Scattered Sites)	829		0	1,104	0	0	1,104	$1.1866	$ 1,310	-
Victory Homes (Scattered Sites)	829		0	5,870	0	0	5,870	$1.1866	$ 6,965	-
Buena Vista Homes (Scattered)	830		0	369	0	0	369	$1.1866	$ 438	-
Wynwood Homes - C (Scattered)	830		0	2,062	0	0	2,062	$1.1866	$ 2,447	-
Gwen Cherry 23 - C (Scattered)	830		0	1,090	0	0	1,090	$1.1866	$ 1,293	-
Rainbow Village	830		0	3,147	0	0	3,147	$1.1866	$ 3,734	-
Town Park	830		0	1,396	0	0	1,396	$1.1866	$ 1,656	-
Culmer Place	831		0	15	0	0	15	$1.1866	$ 18	-
Culmer Gardens	831		0	1,826	0	0	1,826	$1.1866	$ 2,167	-
Gwen Cherry 12	841		0	98	0	0	98	$2.9247	$ 288	-
Gwen Cherry 13	841		0	993	0	0	993	$1.1866	$ 1,179	-
Gwen Cherry 14	841		0	2,510	0	0	2,510	$1.1866	$ 2,979	-
Gwen Cherry 15	841		0	599	0	0	599	$1.1866	$ 710	-
Gwen Cherry 16	841		0	4,134	0	0	4,134	$1.1866	$ 4,905	-
South Miami	842		0	3,195	0	0	3,195	$1.6136	$ 5,156	-
Arthur Mays Village	847		0	5,163	0	0	5,163	$1.6136	$ 8,331	-
Southridge I	847		0	1,144	0	0	1,144	$1.6136	$ 1,845	-
Southridge II	847		0	400	0	0	400	$1.6136	$ 646	-
Total		0	0	41,115	0	0	41,115		$ 54,298	-

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Table G-3.3. Annual Water (CCF) Allowances Savings Summary

	AMP #	Baseline Use	ECM 1 - Install Hi-Eff Toilets	ECM 2 - Install Low Flow Showerheads & Faucet Aerators	ECM 3 - Upgrade Apartment Lighting	ECM 4 - Install Electric Instantaneous Water Heaters	Total Savings (CCF)	Savings Rate - Part 1 ($/CCF)	Stipulated Cost Savings - Year 1 ($/yr)	Savings as a Percent of Baseline
Manor Park (Scattered Site)	822		616	521	0	0	1,138	$8.0545	$ 9,164	-
Orchard Villa Homes (Scattered Site)	822		127	293	0	0	421	$8.0545	$ 3,388	-
FHA Homes Dade Co. - C (Scattered)	10		73	34	0	0	107	$6.8689	$ 736	-
Venetian Gardens (Scattered Site)	826		789	908	0	0	1,696	$6.6865	$ 11,342	-
Vista Verde (Scattered)	826		271	604	0	0	876	$8.0545	$ 7,052	-
Liberty Homes	827		786	744	0	0	1,530	$8.0545	$ 12,321	-
Edison Park (Family, Scattered Site)	828		841	573	0	0	1,413	$6.9430	$ 9,812	-
Medvin Apartments	840		0	0	0	0	0	$2.1268	$ 0	-
In Cities -Wynwood (Scattered Site)	830		177	498	0	0	675	$3.8392	$ 2,590	-
Buena Vista Homes (Scattered)	830		448	191	0	0	640	$2.1268	$ 1,361	-
Wynwood Homes - C (Scattered)	830		485	986	0	0	1,471	$2.1268	$ 3,129	-
Town Park	830		314	720	0	0	1,034	$2.1268	$ 2,198	-
Culmer Gardens	831		1,174	979	0	0	2,153	$3.6285	$ 7,812	-
Little Havana Homes (Scattered)	839		183	189	0	0	372	$3.6087	$ 1,343	-
Allapallah Homes (Scattered Site)	841		589	1,128	0	0	1,717	$8.0545	$ 13,829	-
Santa Clara Homes (Scattered Site)	841		226	213	0	0	439	$8.0545	$ 3,538	-
Florida City Gardens	844		688	326	0	0	1,014	$3.6201	$ 3,670	-
Grove Homes (Scattered Sites)	842		95	282	0	0	377	$8.0545	$ 3,035	-
Homeownership (010), (Scattered Sites)	815		28	27	0	0	55	$8.0545	$ 441	-
Heritage Village II	843		345	345	0	0	690	$5.0906	$ 3,515	-
Wayside	843		139	266	0	0	405	$2.7196	$ 1,101	-
Florida City Family	844		465	498	0	0	963	$3.6201	$ 3,487	-
Homestead Village	844		93	195	0	0	288	$3.7287	$ 1,074	-
Richmond Homes	845		366	480	0	0	846	$8.0545	$ 6,814	-
FHA Scattered Homes (Scattered)	845		6	65	0	0	70	$8.0545	$ 568	-
Moody Village	846		873	1,048	0	0	1,921	$6.8504	$ 13,160	-
Pine Island I	846		506	1,088	0	0	1,595	$2.7196	$ 4,337	-
Pine Island II	846		548	801	0	0	1,349	$8.0545	$ 10,868	-
Southridge I	847		565	580	0	0	1,145	$2.7196	$ 3,115	-
Southridge II	847		335	219	0	0	554	$3.6087	$ 2,000	-
Total		0	12,153	14,800	0	0	26,953		$ 146,798	-

GRAND TOTAL UTILITY ALLOWANCE SAVINGS - ESTIMATED YEAR 1	$ 707,349

Appendix G-4: Floor Savings Rates

APPENDIX G-4
FLOOR SAVINGS RATES

MIAMI-DADE PUBLIC HOUSING AND COMMUNITY DEVELOPMENT

NOTES:

1. Initial Year Electric Savings Rates are based on actual 2013 retail utility rates and represent an average of the various rates applicable to each site (kW & kWh), weighted proportionally by savings under each rate category.
2. Initial Year Natural Gas Savings Rates are based on actual 2013 retail utility rates and represent an average of the various rates applicable to each site, weighted proportionally by savings under each rate category.
3. Initial Year Water & Sewer Savings Rates are based on actual 2013 retail utility rates and represent an average of the various rates applicable to each site, weighted proportionally by savings under each rate category.
4. For Frozen Rolling Base savings and savings against tenant allowances, the Savings Rates applied shall be valued at the greater of the then-current published retail utility rates or the Floor Rates listed below.
5. For savings determined using the Add-on Subsidy method, the Savings Rates applied shall be valued at the Floor Rates listed below.

Table G-4.1. Floor Rates - Electric ($/kWh)

			Repayment Year															
	AMP	Year 1 2013	Year 2 2014	Year 3 2015	Year 4 2016	Year 5 2017	Year 6 2018	Year 7 2019	Year 8 2020	Year 9 2021	Year 10 2022	Year 11 2023	Year 12 2024	Year 13 2025	Year 14 2026	Year 15 2027	Year 16 2028	Year 17 2029
Annual Rate Adjustment			*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*
Gwen Cherry 22	821	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557		
Gwen Cherry 20	821	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557		
Lemon City	821	$ 0.0756	$ 0.0876	$ 0.0902	$ 0.0929	$ 0.0957	$ 0.0986	$ 0.1015	$ 0.1046	$ 0.1077	$ 0.1110	$ 0.1143	$ 0.1177	$ 0.1212	$ 0.1249	$ 0.1286		
Ward Towers	822	$ 0.0786	$ 0.0912	$ 0.0939	$ 0.0967	$ 0.0996	$ 0.1026	$ 0.1057	$ 0.1089	$ 0.1121	$ 0.1155	$ 0.1190	$ 0.1225	$ 0.1262	$ 0.1300	$ 0.1339		
Ward Towers ALF	817	$ 0.0712	$ 0.0826	$ 0.0851	$ 0.0876	$ 0.0903	$ 0.0930	$ 0.0957	$ 0.0986	$ 0.1016	$ 0.1046	$ 0.1078	$ 0.1110	$ 0.1143	$ 0.1178	$ 0.1213		
Emmer Turnkey	823	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557		
Kline Nunn	823	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557		
Little River Plaza	823	$ 0.0722	$ 0.0837	$ 0.0862	$ 0.0888	$ 0.0915	$ 0.0942	$ 0.0971	$ 0.1000	$ 0.1030	$ 0.1061	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1194	$ 0.1230		
Peters Plaza	823	$ 0.0832	$ 0.0965	$ 0.0994	$ 0.1024	$ 0.1054	$ 0.1086	$ 0.1119	$ 0.1152	$ 0.1187	$ 0.1222	$ 0.1259	$ 0.1297	$ 0.1336	$ 0.1376	$ 0.1417		
Twin Lakes	825	$ 0.0842	$ 0.0977	$ 0.1006	$ 0.1036	$ 0.1067	$ 0.1099	$ 0.1132	$ 0.1166	$ 0.1201	$ 0.1237	$ 0.1274	$ 0.1313	$ 0.1352	$ 0.1392	$ 0.1434		
Palm Towers	825	$ 0.0741	$ 0.0859	$ 0.0884	$ 0.0911	$ 0.0938	$ 0.0966	$ 0.0995	$ 0.1025	$ 0.1056	$ 0.1088	$ 0.1120	$ 0.1154	$ 0.1189	$ 0.1224	$ 0.1261		
Palm Court	825	$ 0.0753	$ 0.0872	$ 0.0899	$ 0.0926	$ 0.0953	$ 0.0982	$ 0.1011	$ 0.1042	$ 0.1073	$ 0.1105	$ 0.1138	$ 0.1172	$ 0.1208	$ 0.1244	$ 0.1281		
Opa Locka Elderly	826	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557		
Edison Plaza (Elderly)	828	$ 0.0711	$ 0.0824	$ 0.0848	$ 0.0874	$ 0.0900	$ 0.0927	$ 0.0955	$ 0.0984	$ 0.1013	$ 0.1044	$ 0.1075	$ 0.1107	$ 0.1140	$ 0.1174	$ 0.1210		
Palmetto Gardens	826	$ 0.0714	$ 0.0828	$ 0.0853	$ 0.0878	$ 0.0905	$ 0.0932	$ 0.0960	$ 0.0988	$ 0.1018	$ 0.1049	$ 0.1080	$ 0.1112	$ 0.1146	$ 0.1180	$ 0.1216		
Gwen Cherry 07	821	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557		
Gwen Cherry 06	821	$ 0.1085	$ 0.1257	$ 0.1295	$ 0.1334	$ 0.1374	$ 0.1415	$ 0.1457	$ 0.1501	$ 0.1546	$ 0.1593	$ 0.1640	$ 0.1690	$ 0.1740	$ 0.1793	$ 0.1846		
Little River Terrace	823	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1228	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557		
Edison Courts	828	$ 0.0922	$ 0.1069	$ 0.1101	$ 0.1134	$ 0.1168	$ 0.1203	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1354	$ 0.1395	$ 0.1437	$ 0.1480	$ 0.1525	$ 0.1570		
Edison Park (Family, Scattered Site)	828	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557		
Wynwood Elderly	830	$ 0.0746	$ 0.0865	$ 0.0891	$ 0.0918	$ 0.0946	$ 0.0974	$ 0.1003	$ 0.1033	$ 0.1064	$ 0.1096	$ 0.1129	$ 0.1163	$ 0.1198	$ 0.1234	$ 0.1271		
Parkside I & II	832	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557		
Phyllis Wheatley	833	$ 0.0746	$ 0.0865	$ 0.0891	$ 0.0918	$ 0.0946	$ 0.0974	$ 0.1003	$ 0.1033	$ 0.1064	$ 0.1096	$ 0.1129	$ 0.1163	$ 0.1198	$ 0.1234	$ 0.1271		
Claude Pepper	833	$ 0.0746	$ 0.0865	$ 0.0891	$ 0.0918	$ 0.0946	$ 0.0974	$ 0.1003	$ 0.1033	$ 0.1064	$ 0.1096	$ 0.1129	$ 0.1163	$ 0.1198	$ 0.1234	$ 0.1271		
Helen Sawyer Plaza, ALF	834	$ 0.0746	$ 0.0865	$ 0.0891	$ 0.0918	$ 0.0946	$ 0.0974	$ 0.1003	$ 0.1033	$ 0.1064	$ 0.1096	$ 0.1129	$ 0.1163	$ 0.1198	$ 0.1234	$ 0.1271		
Donn Gardens	837	$ 0.0746	$ 0.0865	$ 0.0891	$ 0.0918	$ 0.0946	$ 0.0974	$ 0.1003	$ 0.1033	$ 0.1064	$ 0.1096	$ 0.1129	$ 0.1163	$ 0.1198	$ 0.1234	$ 0.1271		
Abe Arronovitz	837	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557		
Scattered Site 11 - D	837	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557		
Falk Turnkey	839	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557		

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Jose Marti Plaza	839	$ 0.0746	$ 0.0865	$ 0.0891	$ 0.0918	$ 0.0946	$ 0.0974	$ 0.1003	$ 0.1033	$ 0.1064	$ 0.1096	$ 0.1129	$ 0.1163	$ 0.1198	$ 0.1234	$ 0.1271
Harry Cain	840	$ 0.1039	$ 0.1204	$ 0.1240	$ 0.1277	$ 0.1316	$ 0.1355	$ 0.1396	$ 0.1438	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1667	$ 0.1717	$ 0.1768
In Cities -Wynwood (Scattered Site)	830	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
Rainbow Village	830	$ 0.1213	$ 0.1406	$ 0.1448	$ 0.1492	$ 0.1537	$ 0.1583	$ 0.1630	$ 0.1679	$ 0.1729	$ 0.1781	$ 0.1835	$ 0.1890	$ 0.1946	$ 0.2005	$ 0.2065
Town Park	830	$ 0.0668	$ 0.0774	$ 0.0797	$ 0.0821	$ 0.0846	$ 0.0871	$ 0.0897	$ 0.0924	$ 0.0952	$ 0.0980	$ 0.1010	$ 0.1040	$ 0.1071	$ 0.1103	$ 0.1136
Little Havana Homes (Scattered)	839	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
Gwen Cherry 09	841	$ 0.0672	$ 0.0778	$ 0.0802	$ 0.0826	$ 0.0851	$ 0.0876	$ 0.0902	$ 0.0930	$ 0.0957	$ 0.0986	$ 0.1016	$ 0.1046	$ 0.1078	$ 0.1110	$ 0.1143
Gwen Cherry 12	841	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
Gwen Cherry 13	841	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
Gwen Cherry 14	841	$ 0.1103	$ 0.1279	$ 0.1317	$ 0.1357	$ 0.1397	$ 0.1439	$ 0.1482	$ 0.1527	$ 0.1573	$ 0.1620	$ 0.1668	$ 0.1718	$ 0.1770	$ 0.1823	$ 0.1878
Gwen Cherry 15	841	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
Gwen Cherry 16	841	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
Biscayne Plaza	843	$ 0.1134	$ 0.1315	$ 0.1354	$ 0.1395	$ 0.1437	$ 0.1480	$ 0.1524	$ 0.1570	$ 0.1617	$ 0.1666	$ 0.1716	$ 0.1767	$ 0.1820	$ 0.1875	$ 0.1931
Homestead Gardens	844	$ 0.1134	$ 0.1315	$ 0.1354	$ 0.1395	$ 0.1437	$ 0.1480	$ 0.1524	$ 0.1570	$ 0.1617	$ 0.1666	$ 0.1716	$ 0.1767	$ 0.1820	$ 0.1875	$ 0.1931
Florida City Gardens	844	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
W. Homestead Gardens	844	$ 0.1134	$ 0.1315	$ 0.1354	$ 0.1395	$ 0.1437	$ 0.1480	$ 0.1524	$ 0.1570	$ 0.1617	$ 0.1666	$ 0.1716	$ 0.1767	$ 0.1820	$ 0.1875	$ 0.1931
Homestead East	844	$ 0.1134	$ 0.1315	$ 0.1354	$ 0.1395	$ 0.1437	$ 0.1480	$ 0.1524	$ 0.1570	$ 0.1617	$ 0.1666	$ 0.1716	$ 0.1767	$ 0.1820	$ 0.1875	$ 0.1931
Perrine Villas	845	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
Moody Gardens	846	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
Goulds Plaza	847	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
South Miami	842	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
Perrine Gardens	845	$ 0.0992	$ 0.1150	$ 0.1185	$ 0.1220	$ 0.1257	$ 0.1295	$ 0.1333	$ 0.1373	$ 0.1415	$ 0.1457	$ 0.1501	$ 0.1546	$ 0.1592	$ 0.1640	$ 0.1689
Richmond Homes	845	$ 0.0668	$ 0.0774	$ 0.0797	$ 0.0821	$ 0.0846	$ 0.0871	$ 0.0897	$ 0.0924	$ 0.0952	$ 0.0980	$ 0.1010	$ 0.1040	$ 0.1071	$ 0.1103	$ 0.1136
Naranja	846	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
Moody Village	846	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
Pine Island I	846	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
Arthur Mays Village	847	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557
Southridge I	847	$ 0.0915	$ 0.1060	$ 0.1092	$ 0.1125	$ 0.1159	$ 0.1193	$ 0.1229	$ 0.1266	$ 0.1304	$ 0.1343	$ 0.1384	$ 0.1425	$ 0.1468	$ 0.1512	$ 0.1557

Table G-4.2. Floor Rates - Gas ($/Therm)

	AMP	Initial Year	Year 1 2018	Year 2 2019	Year 3 2020	Year 4 2021	Year 5 2022	Year 6 2023	Year 7 2024	Year 8 2025	Year 9 2026	Year 10 2027	Year 11 2028	Year 12 2029	Year 13 2030	Year 14 2031
Annual Rate Adjustment			*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*
Lemon City	821	$ 1.0554	$ 1.2235	$ 1.2602	$ 1.2980	$ 1.3369	$ 1.3770	$ 1.4183	$ 1.4609	$ 1.5047	$ 1.5498	$ 1.5963	$ 1.6442	$ 1.6935	$ 1.7444	$ 1.7967
Ward Towers	822	$ 1.1194	$ 1.2976	$ 1.3366	$ 1.3767	$ 1.4180	$ 1.4605	$ 1.5043	$ 1.5494	$ 1.5959	$ 1.6438	$ 1.6931	$ 1.7439	$ 1.7962	$ 1.8501	$ 1.9056
Ward Towers ALF	817	$ 1.1276	$ 1.3071	$ 1.3464	$ 1.3867	$ 1.4283	$ 1.4712	$ 1.5153	$ 1.5608	$ 1.6076	$ 1.6558	$ 1.7055	$ 1.7567	$ 1.8094	$ 1.8637	$ 1.9196
Little River Plaza	823	$ 1.0554	$ 1.2235	$ 1.2602	$ 1.2980	$ 1.3369	$ 1.3770	$ 1.4183	$ 1.4609	$ 1.5047	$ 1.5498	$ 1.5963	$ 1.6442	$ 1.6935	$ 1.7444	$ 1.7967
Peters Plaza	823	$ 1.0151	$ 1.1767	$ 1.2120	$ 1.2484	$ 1.2859	$ 1.3244	$ 1.3642	$ 1.4051	$ 1.4472	$ 1.4907	$ 1.5354	$ 1.5814	$ 1.6289	$ 1.6777	$ 1.7281
Palm Towers	825	$ 1.0553	$ 1.2234	$ 1.2601	$ 1.2979	$ 1.3369	$ 1.3770	$ 1.4183	$ 1.4608	$ 1.5047	$ 1.5498	$ 1.5963	$ 1.6442	$ 1.6935	$ 1.7443	$ 1.7967
Palm Court	825	$ 1.0555	$ 1.2236	$ 1.2603	$ 1.2981	$ 1.3371	$ 1.3772	$ 1.4185	$ 1.4610	$ 1.5049	$ 1.5500	$ 1.5965	$ 1.6444	$ 1.6937	$ 1.7446	$ 1.7969
Edison Plaza (Elderly)	828	$ 1.0557	$ 1.2239	$ 1.2606	$ 1.2984	$ 1.3374	$ 1.3775	$ 1.4188	$ 1.4614	$ 1.5052	$ 1.5504	$ 1.5969	$ 1.6448	$ 1.6941	$ 1.7449	$ 1.7973
Palmetto Gardens	826	$ 1.1276	$ 1.3071	$ 1.3464	$ 1.3867	$ 1.4283	$ 1.4712	$ 1.5153	$ 1.5608	$ 1.6076	$ 1.6558	$ 1.7055	$ 1.7567	$ 1.8094	$ 1.8637	$ 1.9196
Jollivette	829	$ 1.1194	$ 1.2976	$ 1.3366	$ 1.3767	$ 1.4180	$ 1.4605	$ 1.5043	$ 1.5494	$ 1.5959	$ 1.6438	$ 1.6931	$ 1.7439	$ 1.7962	$ 1.8501	$ 1.9056
Annie Coleman (Scattered Site) 14	824	$ 1.0780	$ 1.2497	$ 1.2872	$ 1.3259	$ 1.3656	$ 1.4066	$ 1.4488	$ 1.4923	$ 1.5370	$ 1.5831	$ 1.6306	$ 1.6796	$ 1.7299	$ 1.7818	$ 1.8353
Annie Coleman (Scattered Site) 16	824	$ 1.1990	$ 1.3900	$ 1.4317	$ 1.4746	$ 1.5189	$ 1.5644	$ 1.6114	$ 1.6597	$ 1.7095	$ 1.7608	$ 1.8136	$ 1.8680	$ 1.9241	$ 1.9818	$ 2.0412
Wynwood Elderly	830	$ 1.0553	$ 1.2234	$ 1.2601	$ 1.2979	$ 1.3368	$ 1.3769	$ 1.4182	$ 1.4608	$ 1.5046	$ 1.5498	$ 1.5962	$ 1.6441	$ 1.6935	$ 1.7443	$ 1.7966
Parkside I & II	832	$ 1.0540	$ 1.2219	$ 1.2585	$ 1.2963	$ 1.3352	$ 1.3752	$ 1.4165	$ 1.4590	$ 1.5028	$ 1.5479	$ 1.5943	$ 1.6421	$ 1.6914	$ 1.7421	$ 1.7944
Phyllis Wheatley	833	$ 1.0552	$ 1.2233	$ 1.2600	$ 1.2978	$ 1.3367	$ 1.3768	$ 1.4182	$ 1.4607	$ 1.5045	$ 1.5497	$ 1.5961	$ 1.6440	$ 1.6933	$ 1.7441	$ 1.7965
Helen Sawyer Plaza, ALF	834	$ 1.0552	$ 1.2232	$ 1.2599	$ 1.2977	$ 1.3367	$ 1.3768	$ 1.4181	$ 1.4606	$ 1.5044	$ 1.5496	$ 1.5960	$ 1.6439	$ 1.6932	$ 1.7440	$ 1.7964
Abe Arronoviz	837	$ 1.0559	$ 1.2241	$ 1.2608	$ 1.2987	$ 1.3376	$ 1.3778	$ 1.4191	$ 1.4617	$ 1.5055	$ 1.5507	$ 1.5972	$ 1.6451	$ 1.6945	$ 1.7453	$ 1.7977
Jose Marti Plaza	839	$ 1.0553	$ 1.2234	$ 1.2601	$ 1.2979	$ 1.3368	$ 1.3769	$ 1.4182	$ 1.4608	$ 1.5046	$ 1.5497	$ 1.5962	$ 1.6441	$ 1.6934	$ 1.7442	$ 1.7965
Harry Cain	840	$ 1.0553	$ 1.2234	$ 1.2601	$ 1.2979	$ 1.3368	$ 1.3769	$ 1.4182	$ 1.4608	$ 1.5046	$ 1.5498	$ 1.5962	$ 1.6441	$ 1.6935	$ 1.7443	$ 1.7966
Perrine Gardens	845	$ 1.4065	$ 1.6305	$ 1.6794	$ 1.7298	$ 1.7817	$ 1.8352	$ 1.8902	$ 1.9469	$ 2.0053	$ 2.0655	$ 2.1274	$ 2.1913	$ 2.2570	$ 2.3247	$ 2.3945

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Table G-4.3. Floor Rates-Water & Sewer ($/ccf)

Development	AMP	Initial Year	Year 2018	Year 2019	Year 2020	Year 2021	Year 2022	Year 2023	Year 2024	Year 2025	Year 2026	Year 2027	Year 2028	Year 2029	Year 2030	Year 2031
Annual Rate Adjustment			*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*
Gwen Cherry 22	821	$ 1.8896	$ 2.1906	$ 2.2563	$ 2.3240	$ 2.3937	$ 2.4655	$ 2.5395	$ 2.6157	$ 2.6942	$ 2.7750	$ 2.8582	$ 2.9440	$ 3.0323	$ 3.1233	$ 3.2170
Gwen Cherry 20	821	$ 1.8896	$ 2.1906	$ 2.2563	$ 2.3240	$ 2.3937	$ 2.4655	$ 2.5395	$ 2.6157	$ 2.6942	$ 2.7750	$ 2.8582	$ 2.9440	$ 3.0323	$ 3.1233	$ 3.2170
Lemon City	821	$ 7.7754	$ 9.0138	$ 9.2842	$ 9.5627	$ 9.8496	$ 10.1451	$ 10.4495	$ 10.7629	$ 11.0858	$ 11.4184	$ 11.7610	$ 12.1138	$ 12.4772	$ 12.8515	$ 13.2371
Ward Towers	822	$ 1.8896	$ 2.1906	$ 2.2563	$ 2.3240	$ 2.3937	$ 2.4655	$ 2.5395	$ 2.6157	$ 2.6942	$ 2.7750	$ 2.8582	$ 2.9440	$ 3.0323	$ 3.1233	$ 3.2170
Ward Towers ALF	817	$ 1.8896	$ 2.1906	$ 2.2563	$ 2.3240	$ 2.3937	$ 2.4655	$ 2.5395	$ 2.6157	$ 2.6942	$ 2.7750	$ 2.8582	$ 2.9440	$ 3.0323	$ 3.1233	$ 3.2170
Emmer Turnkey	823	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$ 10.2031	$ 10.5092	$ 10.8245	$ 11.1492	$ 11.4837	$ 11.8282	$ 12.1831
Kline Nunn	823	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$ 10.2031	$ 10.5092	$ 10.8245	$ 11.1492	$ 11.4837	$ 11.8282	$ 12.1831
Little River Plaza	823	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$ 10.2031	$ 10.5092	$ 10.8245	$ 11.1492	$ 11.4837	$ 11.8282	$ 12.1831
Peters Plaza	823	$ 8.1418	$ 9.4386	$ 9.7218	$ 10.0134	$ 10.3138	$ 10.6232	$ 10.9419	$ 11.2702	$ 11.6083	$ 11.9566	$ 12.3153	$ 12.6847	$ 13.0653	$ 13.4572	$ 13.8609
Twin Lakes	825	$ 7.3256	$ 8.4924	$ 8.7472	$ 9.0096	$ 9.2799	$ 9.5583	$ 9.8450	$ 10.1404	$ 10.4446	$ 10.7579	$ 11.0806	$ 11.4131	$ 11.7554	$ 12.1081	$ 12.4714
Palm Towers	825	$ 8.1418	$ 9.4386	$ 9.7218	$ 10.0134	$ 10.3138	$ 10.6232	$ 10.9419	$ 11.2702	$ 11.6083	$ 11.9566	$ 12.3153	$ 12.6847	$ 13.0653	$ 13.4572	$ 13.8609
Palm Court	825	$ 7.6062	$ 8.8176	$ 9.0822	$ 9.3546	$ 9.6353	$ 9.9243	$ 10.2220	$ 10.5287	$ 10.8446	$ 11.1699	$ 11.5050	$ 11.8501	$ 12.2057	$ 12.5718	$ 12.9490
Opa Locka Elderly	826	$ 13.3239	$ 15.4461	$ 15.9095	$ 16.3868	$ 16.8784	$ 17.3847	$ 17.9063	$ 18.4434	$ 18.9967	$ 19.5667	$ 20.1537	$ 20.7583	$ 21.3810	$ 22.0224	$ 22.6831
Edison Plaza (Elderly)	828	$ 7.0672	$ 8.1928	$ 8.4386	$ 8.6918	$ 8.9525	$ 9.2211	$ 9.4977	$ 9.7826	$ 10.0761	$ 10.3784	$ 10.6898	$ 11.0104	$ 11.3408	$ 11.6810	$ 12.0314
Palmetto Gardens	826	$ 1.8896	$ 2.1906	$ 2.2563	$ 2.3240	$ 2.3937	$ 2.4655	$ 2.5395	$ 2.6157	$ 2.6942	$ 2.7750	$ 2.8582	$ 2.9440	$ 3.0323	$ 3.1233	$ 3.2170
Jollivette	829	$ 7.2926	$ 8.4541	$ 8.7077	$ 8.9689	$ 9.2380	$ 9.5151	$ 9.8006	$ 10.0946	$ 10.3975	$ 10.7094	$ 11.0307	$ 11.3616	$ 11.7024	$ 12.0535	$ 12.4151
Gwen Cherry 07	821	$ 8.1418	$ 9.4386	$ 9.7218	$ 10.0134	$ 10.3138	$ 10.6232	$ 10.9419	$ 11.2702	$ 11.6083	$ 11.9566	$ 12.3153	$ 12.6847	$ 13.0653	$ 13.4572	$ 13.8609
Gwen Cherry 06	821	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$ 10.2031	$ 10.5092	$ 10.8245	$ 11.1492	$ 11.4837	$ 11.8282	$ 12.1831
New Haven Gardens/Site 05	821	$ 8.5907	$ 9.9569	$ 10.2577	$ 10.5654	$ 10.8824	$ 11.2089	$ 11.5451	$ 11.8915	$ 12.2482	$ 12.6157	$ 12.9942	$ 13.3840	$ 13.7855	$ 14.1991	$ 14.6250
Scattered Sites - A	822	$ 9.1050	$ 10.5552	$ 10.8718	$ 11.1980	$ 11.5339	$ 11.8799	$ 12.2363	$ 12.6034	$ 12.9815	$ 13.3710	$ 13.7721	$ 14.1853	$ 14.6108	$ 15.0492	$ 15.5006
Little River Terrace	823	$ 8.1418	$ 9.4386	$ 9.7218	$ 10.0134	$ 10.3138	$ 10.6232	$ 10.9419	$ 11.2702	$ 11.6083	$ 11.9566	$ 12.3153	$ 12.6847	$ 13.0653	$ 13.4572	$ 13.8609
Annie Coleman (Scattered Site) 14	824	$ 9.1537	$ 10.6117	$ 10.9300	$ 11.2579	$ 11.5957	$ 11.9435	$ 12.3019	$ 12.6709	$ 13.0510	$ 13.4426	$ 13.8458	$ 14.2612	$ 14.6891	$ 15.1297	$ 15.5836
Annie Coleman (Scattered Site) 15	824	$ 8.1418	$ 9.4386	$ 9.7218	$ 10.0134	$ 10.3138	$ 10.6232	$ 10.9419	$ 11.2702	$ 11.6083	$ 11.9566	$ 12.3153	$ 12.6847	$ 13.0653	$ 13.4572	$ 13.8609
Annie Coleman (Scattered Site) 16	824	$ 9.1537	$ 10.6117	$ 10.9300	$ 11.2579	$ 11.5957	$ 11.9435	$ 12.3019	$ 12.6709	$ 13.0510	$ 13.4426	$ 13.8458	$ 14.2612	$ 14.6891	$ 15.1297	$ 15.5836
Edison Courts	826	$ 8.1418	$ 9.4386	$ 9.7218	$ 10.0134	$ 10.3138	$ 10.6232	$ 10.9419	$ 11.2702	$ 11.6083	$ 11.9566	$ 12.3153	$ 12.6847	$ 13.0653	$ 13.4572	$ 13.8609
Model Cities - C (Scattered Sites)	828	$ 8.1418	$ 9.4386	$ 9.7218	$ 10.0134	$ 10.3138	$ 10.6232	$ 10.9419	$ 11.2702	$ 11.6083	$ 11.9566	$ 12.3153	$ 12.6847	$ 13.0653	$ 13.4572	$ 13.8609
Victory Homes (Scattered Sites)	829	$ 8.0824	$ 9.3697	$ 9.6508	$ 9.9403	$ 10.2385	$ 10.5457	$ 10.8620	$ 11.1879	$ 11.5235	$ 11.8692	$ 12.2253	$ 12.5921	$ 12.9698	$ 13.3589	$ 13.7597
Wynwood Elderly	830	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$ 10.2031	$ 10.5092	$ 10.8245	$ 11.1492	$ 11.4837	$ 11.8282	$ 12.1831
Parkside I & II	832	$ 8.1418	$ 9.4386	$ 9.7218	$ 10.0134	$ 10.3138	$ 10.6232	$ 10.9419	$ 11.2702	$ 11.6083	$ 11.9566	$ 12.3153	$ 12.6847	$ 13.0653	$ 13.4572	$ 13.8609
Phyllis Wheatley	833	$ 7.2255	$ 8.3763	$ 8.6276	$ 8.8864	$ 9.1530	$ 9.4276	$ 9.7104	$ 10.0018	$ 10.3018	$ 10.6109	$ 10.9292	$ 11.2571	$ 11.5948	$ 11.9426	$ 12.3009
Claude Pepper	833	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$ 10.2031	$ 10.5092	$ 10.8245	$ 11.1492	$ 11.4837	$ 11.8282	$ 12.1831
Helen Sawyer Plaza, ALF	834	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$ 10.2031	$ 10.5092	$ 10.8245	$ 11.1492	$ 11.4837	$ 11.8282	$ 12.1831
Donn Gardens	837	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$ 10.2031	$ 10.5092	$ 10.8245	$ 11.1492	$ 11.4837	$ 11.8282	$ 12.1831
Abe Arronovitz	837	$ 7.2430	$ 8.3966	$ 8.6485	$ 8.9080	$ 9.1752	$ 9.4505	$ 9.7340	$ 10.0260	$ 10.3268	$ 10.6366	$ 10.9557	$ 11.2843	$ 11.6229	$ 11.9716	$ 12.3307
Scattered Site 9 - D	837	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$ 10.2031	$ 10.5092	$ 10.8245	$ 11.1492	$ 11.4837	$ 11.8282	$ 12.1831
Scattered Site 11 - D	837	$ 1.8896	$ 2.1906	$ 2.2563	$ 2.3240	$ 2.3937	$ 2.4655	$ 2.5395	$ 2.6157	$ 2.6942	$ 2.7750	$ 2.8582	$ 2.9440	$ 3.0323	$ 3.1233	$ 3.2170
Falk Turnkey	839	$ 3.3197	$ 3.8485	$ 3.9639	$ 4.0828	$ 4.2053	$ 4.3315	$ 4.4614	$ 4.5953	$ 4.7331	$ 4.8751	$ 5.0214	$ 5.1720	$ 5.3272	$ 5.4870	$ 5.6516
Jose Marti Plaza	839	$ 3.3028	$ 3.8288	$ 3.9437	$ 4.0620	$ 4.1839	$ 4.3094	$ 4.4386	$ 4.5718	$ 4.7090	$ 4.8502	$ 4.9957	$ 5.1456	$ 5.3000	$ 5.4590	$ 5.6227
Harry Cain	840	$ 6.1350	$ 7.1122	$ 7.3256	$ 7.5453	$ 7.7717	$ 8.0048	$ 8.2450	$ 8.4923	$ 8.7471	$ 9.0095	$ 9.2798	$ 9.5582	$ 9.8449	$ 10.1403	$ 10.4445
Gwen Cherry 23 - C (Scattered)	830	$ 9.1537	$ 10.6117	$ 10.9300	$ 11.2579	$ 11.5957	$ 11.9435	$ 12.3019	$ 12.6709	$ 13.0510	$ 13.4426	$ 13.8458	$ 14.2612	$ 14.6891	$ 15.1297	$ 15.5836
Rainbow Village	830	$ 8.1418	$ 9.4386	$ 9.7218	$ 10.0134	$ 10.3138	$ 10.6232	$ 10.9419	$ 11.2702	$ 11.6083	$ 11.9566	$ 12.3153	$ 12.6847	$ 13.0653	$ 13.4572	$ 13.8609
Culmer Place	831	$ 9.1537	$ 10.6117	$ 10.9300	$ 11.2579	$ 11.5957	$ 11.9435	$ 12.3019	$ 12.6709	$ 13.0510	$ 13.4426	$ 13.8458	$ 14.2612	$ 14.6891	$ 15.1297	$ 15.5836

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Little Havana Homes (Scattered)	839	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$10.2031	$10.5092	$10.8245	$ 11.1492	$11.4837	$ 11.8282	$12.1831
Gwen Cherry 06	841	$ 8.1418	$ 9.4386	$ 9.7218	$10.0134	$10.3138	$10.6232	$10.9419	$11.2702	$11.6083	$11.9566	$12.3153	$ 12.6847	$13.0653	$ 13.4572	$13.8609
Gwen Cherry 12	841	$ 9.1537	$10.6117	$10.9300	$11.2579	$11.5957	$11.9435	$12.3019	$12.6709	$13.0510	$13.4426	$13.8458	$ 14.2612	$14.6891	$ 15.1297	$15.5836
Gwen Cherry 13	841	$ 8.1418	$ 9.4386	$ 9.7218	$10.0134	$10.3138	$10.6232	$10.9419	$11.2702	$11.6083	$11.9566	$12.3153	$ 12.6847	$13.0653	$ 13.4572	$13.8609
Gwen Cherry 14	841	$ 8.1418	$ 9.4386	$ 9.7218	$10.0134	$10.3138	$10.6232	$10.9419	$11.2702	$11.6083	$11.9566	$12.3153	$ 12.6847	$13.0653	$ 13.4572	$13.8609
Gwen Cherry 15	841	$ 8.2972	$ 9.6186	$ 9.9073	$10.2045	$10.5107	$10.8260	$11.1508	$11.4853	$11.8299	$12.1848	$12.5503	$ 12.9268	$13.3146	$ 13.7141	$14.1255
Gwen Cherry 16	841	$ 8.1418	$ 9.4386	$ 9.7218	$10.0134	$10.3138	$10.6232	$10.9419	$11.2702	$11.6083	$11.9566	$12.3153	$ 12.6847	$13.0653	$ 13.4572	$13.8609
Biscayne Plaza	843	$ 5.8578	$ 6.7908	$ 6.9945	$ 7.2043	$ 7.4204	$ 7.6431	$ 7.8724	$ 8.1085	$ 8.3518	$ 8.6023	$ 8.8604	$ 9.1262	$ 9.4000	$ 9.6820	$ 9.9725
Homestead Gardens	844	$ 4.4290	$ 5.1344	$ 5.2885	$ 5.4471	$ 5.6105	$ 5.7788	$ 5.9522	$ 6.1308	$ 6.3147	$ 6.5041	$ 6.6993	$ 6.9002	$ 7.1072	$ 7.3205	$ 7.5401
W. Homestead Gardens	844	$ 4.4290	$ 5.1344	$ 5.2885	$ 5.4471	$ 5.6105	$ 5.7788	$ 5.9522	$ 6.1308	$ 6.3147	$ 6.5041	$ 6.6993	$ 6.9002	$ 7.1072	$ 7.3205	$ 7.5401
Homestead East	844	$ 4.4290	$ 5.1344	$ 5.2885	$ 5.4471	$ 5.6105	$ 5.7788	$ 5.9522	$ 6.1308	$ 6.3147	$ 6.5041	$ 6.6993	$ 6.9002	$ 7.1072	$ 7.3205	$ 7.5401
Perrine Villas	845	$ 8.1418	$ 9.4386	$ 9.7218	$10.0134	$10.3138	$10.6232	$10.9419	$11.2702	$11.6083	$11.9566	$12.3153	$ 12.6847	$13.0653	$ 13.4572	$13.8609
Moody Gardens	846	$ 4.0143	$ 4.6537	$ 4.7933	$ 4.9371	$ 5.0852	$ 5.2378	$ 5.3949	$ 5.5567	$ 5.7235	$ 5.8952	$ 6.0720	$ 6.2542	$ 6.4418	$ 6.6350	$ 6.8341
Goulds Plaza	847	$ 7.3831	$ 8.5590	$ 8.8158	$ 9.0803	$ 9.3527	$ 9.6333	$ 9.9223	$10.2199	$10.5265	$10.8423	$11.1676	$ 11.5026	$11.8477	$ 12.2031	$12.5692
South Miami	842	$ 9.1537	$10.6117	$10.9300	$11.2579	$11.5957	$11.9435	$12.3019	$12.6709	$13.0510	$13.4426	$13.8458	$ 14.2612	$14.6891	$ 15.1297	$15.5836
Perrine Gardens	845	$ 8.1418	$ 9.4386	$ 9.7218	$10.0134	$10.3138	$10.6232	$10.9419	$11.2702	$11.6083	$11.9566	$12.3153	$ 12.6847	$13.0653	$ 13.4572	$13.8609
Naranja	846	$ 9.1537	$10.6117	$10.9300	$11.2579	$11.5957	$11.9435	$12.3019	$12.6709	$13.0510	$13.4426	$13.8458	$ 14.2612	$14.6891	$ 15.1297	$15.5836
Arthur Mays Village	847	$ 8.5253	$ 9.8832	$10.1797	$10.4851	$10.7996	$11.1236	$11.4573	$11.8010	$12.1551	$12.5197	$12.8953	$ 13.2822	$13.6806	$ 14.0910	$14.5138

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Table G-4.4. Floor Rates-Tenant Paid Utilities

	AMP	Rates Year 1	Year 2011	Year 2012	Year 2013	Year 2014	Year 2015	Year 2016	Year 2017	Year 2018	Year 2019	Year 2020	Year 2021	Year 2022	Year 2023	Year 2024	Year 2025
Annual Rate Adjustment			*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*
Electric Rates ($/kWh)																	
Gwen Cherry 22	821	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Gwen Cherry 20	821	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Newberg	821	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Ward Towers	822	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Emmer Turnkey	823	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Kline Nunn	823	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Peters Plaza	823	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Twin Lakes	825	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Palm Towers	825	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Opa Locka Elderly	826	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Palmetto Gardens	826	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Jollyette	829	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Gwen Cherry 07	821	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Gwen Cherry 06	821	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
New Haven Gardens/Site 05	821	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Scattered Sites - A	822	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Manor Park (Scattered Site)	822	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Orchard Villa Homes (Scattered Site)	822	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Little River Terrace	823	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Annie Coleman (Scattered Site) 14	824	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Annie Coleman (Scattered Site) 15	824	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Annie Coleman (Scattered Site) 16	824	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
FHA Homes Dade Co. - C (Scattered)	10	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Venetian Gardens (Scattered Site)	826	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Vista Verde (Scattered)	826	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Liberty Homes	827	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Edison Courts	828	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Edison Park (Family, Scattered Site)	828	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Model Cities - C (Scattered Sites)	829	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Victory Homes (Scattered Sites)	829	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Wynwood Elderly	830	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Parkside I & II	832	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Phyllis Wheatley	833	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Donn Gardens	837	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Abe Arronoviz	837	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Scattered Site 9 - D	837	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Scattered Site 11 - D	837	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	
Falk Turnkey	839	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821	

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Jose Marti Plaza	839	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Harry Cain	840	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
In Cities -Wynwood (Scattered Site)	830	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Buena Vista Homes (Scattered)	830	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Wynwood Homes - C (Scattered)	830	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Gwen Cherry 23 - C (Scattered)	830	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Rainbow Village	830	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Town Park	830	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Culmer Place	831	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Culmer Gardens	831	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Little Havana Homes (Scattered)	839	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Gwen Cherry 08	841	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Gwen Cherry 12	841	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Gwen Cherry 13	841	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Gwen Cherry 14	841	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Gwen Cherry 15	841	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Gwen Cherry 16	841	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Allapallah Homes (Scattered Site)	841	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Santa Clara Homes (Scattered Site)	841	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Biscayne Plaza	843	$ 0.1134	$ 0.1315	$ 0.1354	$ 0.1395	$ 0.1437	$ 0.1480	$ 0.1524	$ 0.1570	$ 0.1617	$ 0.1666	$ 0.1716	$ 0.1767	$ 0.1820	$ 0.1875	$ 0.1931
Homestead Gardens	844	$ 0.1134	$ 0.1315	$ 0.1354	$ 0.1395	$ 0.1437	$ 0.1480	$ 0.1524	$ 0.1570	$ 0.1617	$ 0.1666	$ 0.1716	$ 0.1767	$ 0.1820	$ 0.1875	$ 0.1931
Florida City Gardens	844	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
W. Homestead Gardens	844	$ 0.1134	$ 0.1315	$ 0.1354	$ 0.1395	$ 0.1437	$ 0.1480	$ 0.1524	$ 0.1570	$ 0.1617	$ 0.1666	$ 0.1716	$ 0.1767	$ 0.1820	$ 0.1875	$ 0.1931
Homestead East	844	$ 0.1134	$ 0.1315	$ 0.1354	$ 0.1395	$ 0.1437	$ 0.1480	$ 0.1524	$ 0.1570	$ 0.1617	$ 0.1666	$ 0.1716	$ 0.1767	$ 0.1820	$ 0.1875	$ 0.1931
Perrine Villas	845	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Moody Gardens	846	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Goulds Plaza	847	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Grove Homes (Scattered Sites)	842	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
South Miami	842	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Homeownership (010), (Scattered Sites)	815	$ 0.1134	$ 0.1315	$ 0.1354	$ 0.1395	$ 0.1437	$ 0.1480	$ 0.1524	$ 0.1570	$ 0.1617	$ 0.1666	$ 0.1716	$ 0.1767	$ 0.1820	$ 0.1875	$ 0.1931
Heritage Village II	843	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Wayside	843	$ 0.1134	$ 0.1315	$ 0.1354	$ 0.1395	$ 0.1437	$ 0.1480	$ 0.1524	$ 0.1570	$ 0.1617	$ 0.1666	$ 0.1716	$ 0.1767	$ 0.1820	$ 0.1875	$ 0.1931
Florida City Family	844	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Homestead Village	844	$ 0.1134	$ 0.1315	$ 0.1354	$ 0.1395	$ 0.1437	$ 0.1480	$ 0.1524	$ 0.1570	$ 0.1617	$ 0.1666	$ 0.1716	$ 0.1767	$ 0.1820	$ 0.1875	$ 0.1931
Perrine Gardens	845	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Richmond Homes	845	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
FHA Scattered Homes (Scattered)	845	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Naranja	846	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Moody Village	846	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Pine Island I	846	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Pine Island II	846	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Arthur Mays Village	847	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Southridge I	847	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821
Southridge II	847	$ 0.1070	$ 0.1240	$ 0.1277	$ 0.1315	$ 0.1355	$ 0.1396	$ 0.1437	$ 0.1481	$ 0.1525	$ 0.1571	$ 0.1618	$ 0.1666	$ 0.1716	$ 0.1768	$ 0.1821

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Gas Rates ($/CCF) - Tenant Paid																
Gwen Cherry 07	821	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Gwen Cherry 06	821	$ 2.5986	$ 3.0125	$ 3.1028	$ 3.1959	$ 3.2918	$ 3.3905	$ 3.4923	$ 3.5970	$ 3.7049	$ 3.8161	$ 3.9306	$ 4.0485	$ 4.1699	$ 4.2950	$ 4.4239
New Haven Gardens/Site 05	821	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Scattered Sites - A	822	$ 1.4337	$ 1.6620	$ 1.7119	$ 1.7632	$ 1.8161	$ 1.8706	$ 1.9267	$ 1.9845	$ 2.0441	$ 2.1054	$ 2.1685	$ 2.2336	$ 2.3006	$ 2.3696	$ 2.4407
FHA Homes Dade Co. - C (Scattered)	10	$ 1.4733	$ 1.7080	$ 1.7592	$ 1.8120	$ 1.8663	$ 1.9223	$ 1.9800	$ 2.0394	$ 2.1006	$ 2.1636	$ 2.2285	$ 2.2954	$ 2.3642	$ 2.4352	$ 2.5082
Venetian Gardens (Scattered Site)	826	$ 1.4337	$ 1.6620	$ 1.7119	$ 1.7632	$ 1.8161	$ 1.8706	$ 1.9267	$ 1.9845	$ 2.0441	$ 2.1054	$ 2.1685	$ 2.2336	$ 2.3006	$ 2.3696	$ 2.4407
Vista Verde (Scattered)	826	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Edison Park (Family, Scattered Site)	828	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Model Cities - C (Scattered Sites)	829	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Victory Homes (Scattered Sites)	829	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Buena Vista Homes (Scattered)	830	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Wynwood Homes - C (Scattered)	830	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Gwen Cherry 23 - C (Scattered)	830	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Rainbow Village	830	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Town Park	830	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Culmer Place	831	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Culmer Gardens	831	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Gwen Cherry 12	841	$ 2.5986	$ 3.0125	$ 3.1028	$ 3.1959	$ 3.2918	$ 3.3905	$ 3.4923	$ 3.5970	$ 3.7049	$ 3.8161	$ 3.9306	$ 4.0485	$ 4.1699	$ 4.2950	$ 4.4239
Gwen Cherry 13	841	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Gwen Cherry 14	841	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Gwen Cherry 15	841	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
Gwen Cherry 16	841	$ 1.0543	$ 1.2222	$ 1.2589	$ 1.2967	$ 1.3356	$ 1.3756	$ 1.4169	$ 1.4594	$ 1.5032	$ 1.5483	$ 1.5947	$ 1.6426	$ 1.6918	$ 1.7426	$ 1.7949
South Miami	842	$ 1.4337	$ 1.6620	$ 1.7119	$ 1.7632	$ 1.8161	$ 1.8706	$ 1.9267	$ 1.9845	$ 2.0441	$ 2.1054	$ 2.1685	$ 2.2336	$ 2.3006	$ 2.3696	$ 2.4407
Arthur Mays Village	847	$ 1.4337	$ 1.6620	$ 1.7119	$ 1.7632	$ 1.8161	$ 1.8706	$ 1.9267	$ 1.9845	$ 2.0441	$ 2.1054	$ 2.1685	$ 2.2336	$ 2.3006	$ 2.3696	$ 2.4407
Southridge I	847	$ 1.4337	$ 1.6620	$ 1.7119	$ 1.7632	$ 1.8161	$ 1.8706	$ 1.9267	$ 1.9845	$ 2.0441	$ 2.1054	$ 2.1685	$ 2.2336	$ 2.3006	$ 2.3696	$ 2.4407
Southridge II	847	$ 1.4337	$ 1.6620	$ 1.7119	$ 1.7632	$ 1.8161	$ 1.8706	$ 1.9267	$ 1.9845	$ 2.0441	$ 2.1054	$ 2.1685	$ 2.2336	$ 2.3006	$ 2.3696	$ 2.4407

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Water Rates - Tenant Paid																
Manor Park (Scattered Site)	822	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$10.2031	$10.5092	$10.8245	$ 11.1492	$11.4837	$ 11.8282	$12.1831
Orchard Villa Homes (Scattered Site)	822	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$10.2031	$10.5092	$10.8245	$ 11.1492	$11.4837	$ 11.8282	$12.1831
FHA Homes Dade Co. - C (Scattered)	10	$ 6.1029	$ 7.0750	$ 7.2872	$ 7.5059	$ 7.7310	$ 7.9630	$ 8.2019	$ 8.4479	$ 8.7013	$ 8.9624	$ 9.2313	$ 9.5082	$ 9.7934	$ 10.0872	$10.3899
Venetian Gardens (Scattered Site)	826	$ 5.9409	$ 6.8871	$ 7.0937	$ 7.3066	$ 7.5257	$ 7.7515	$ 7.9841	$ 8.2236	$ 8.4703	$ 8.7244	$ 8.9861	$ 9.2557	$ 9.5334	$ 9.8194	$10.1140
Vista Verde (Scattered)	826	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$10.2031	$10.5092	$10.8245	$ 11.1492	$11.4837	$ 11.8282	$12.1831
Liberty Homes	827	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$10.2031	$10.5092	$10.8245	$ 11.1492	$11.4837	$ 11.8282	$12.1831
Edison Park (Family, Scattered Site)	828	$ 6.1688	$ 7.1513	$ 7.3658	$ 7.5868	$ 7.8144	$ 8.0489	$ 8.2903	$ 8.5390	$ 8.7952	$ 9.0591	$ 9.3308	$ 9.6108	$ 9.8991	$ 10.1961	$10.5019
In Cities -Wynwood (Scattered Site)	830	$ 3.4111	$ 3.9544	$ 4.0730	$ 4.1952	$ 4.3211	$ 4.4507	$ 4.5842	$ 4.7218	$ 4.8634	$ 5.0093	$ 5.1596	$ 5.3144	$ 5.4738	$ 5.6380	$ 5.8072
Buena Vista Homes (Scattered)	830	$ 1.8896	$ 2.1906	$ 2.2563	$ 2.3240	$ 2.3937	$ 2.4655	$ 2.5395	$ 2.6157	$ 2.6942	$ 2.7750	$ 2.8582	$ 2.9440	$ 3.0323	$ 3.1233	$ 3.2170
Wynwood Homes - C (Scattered)	830	$ 1.8896	$ 2.1906	$ 2.2563	$ 2.3240	$ 2.3937	$ 2.4655	$ 2.5395	$ 2.6157	$ 2.6942	$ 2.7750	$ 2.8582	$ 2.9440	$ 3.0323	$ 3.1233	$ 3.2170
Town Park	830	$ 1.8896	$ 2.1906	$ 2.2563	$ 2.3240	$ 2.3937	$ 2.4655	$ 2.5395	$ 2.6157	$ 2.6942	$ 2.7750	$ 2.8582	$ 2.9440	$ 3.0323	$ 3.1233	$ 3.2170
Culmer Gardens	831	$ 3.2239	$ 3.7373	$ 3.8494	$ 3.9649	$ 4.0839	$ 4.2064	$ 4.3326	$ 4.4626	$ 4.5964	$ 4.7343	$ 4.8764	$ 5.0227	$ 5.1733	$ 5.3285	$ 5.4884
Little Havana Homes (Scattered)	839	$ 3.2063	$ 3.7170	$ 3.8285	$ 3.9433	$ 4.0616	$ 4.1835	$ 4.3090	$ 4.4383	$ 4.5714	$ 4.7086	$ 4.8498	$ 4.9953	$ 5.1452	$ 5.2995	$ 5.4585
Allapallah Homes (Scattered Site)	841	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$10.2031	$10.5092	$10.8245	$ 11.1492	$11.4837	$ 11.8282	$12.1831
Santa Clara Homes (Scattered Site)	841	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$10.2031	$10.5092	$10.8245	$ 11.1492	$11.4837	$ 11.8282	$12.1831
Florida City Gardens	844	$ 3.2164	$ 3.7287	$ 3.8405	$ 3.9558	$ 4.0744	$ 4.1967	$ 4.3226	$ 4.4522	$ 4.5858	$ 4.7234	$ 4.8651	$ 5.0110	$ 5.1614	$ 5.3162	$ 5.4757
Grove Homes (Scattered Sites)	842	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$10.2031	$10.5092	$10.8245	$ 11.1492	$11.4837	$ 11.8282	$12.1831
Homeownership (010), (Scattered Sites)	815	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$10.2031	$10.5092	$10.8245	$ 11.1492	$11.4837	$ 11.8282	$12.1831
Heritage Village II	843	$ 4.5230	$ 5.2433	$ 5.4006	$ 5.5627	$ 5.7295	$ 5.9014	$ 6.0785	$ 6.2608	$ 6.4487	$ 6.6421	$ 6.8414	$ 7.0466	$ 7.2580	$ 7.4758	$ 7.7000
Wayside	843	$ 2.4163	$ 2.8012	$ 2.8852	$ 2.9717	$ 3.0609	$ 3.1527	$ 3.2473	$ 3.3447	$ 3.4451	$ 3.5484	$ 3.6549	$ 3.7645	$ 3.8775	$ 3.9938	$ 4.1136
Florida City Family	844	$ 3.2164	$ 3.7287	$ 3.8405	$ 3.9558	$ 4.0744	$ 4.1967	$ 4.3226	$ 4.4522	$ 4.5858	$ 4.7234	$ 4.8651	$ 5.0110	$ 5.1614	$ 5.3162	$ 5.4757
Homestead Village	844	$ 3.3129	$ 3.8405	$ 3.9558	$ 4.0744	$ 4.1967	$ 4.3226	$ 4.4522	$ 4.5858	$ 4.7234	$ 4.8651	$ 5.0110	$ 5.1614	$ 5.3162	$ 5.4757	$ 5.6400
Richmond Homes	845	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$10.2031	$10.5092	$10.8245	$ 11.1492	$11.4837	$ 11.8282	$12.1831
FHA Scattered Homes (Scattered)	845	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$10.2031	$10.5092	$10.8245	$ 11.1492	$11.4837	$ 11.8282	$12.1831
Moody Village	846	$ 6.0865	$ 7.0559	$ 7.2676	$ 7.4856	$ 7.7102	$ 7.9415	$ 8.1797	$ 8.4251	$ 8.6779	$ 8.9382	$ 9.2064	$ 9.4826	$ 9.7670	$ 10.0600	$10.3618
Pine Island I	846	$ 2.4163	$ 2.8012	$ 2.8852	$ 2.9717	$ 3.0609	$ 3.1527	$ 3.2473	$ 3.3447	$ 3.4451	$ 3.5484	$ 3.6549	$ 3.7645	$ 3.8775	$ 3.9938	$ 4.1136
Pine Island II	846	$ 7.1563	$ 8.2961	$ 8.5450	$ 8.8013	$ 9.0654	$ 9.3373	$ 9.6174	$ 9.9060	$10.2031	$10.5092	$10.8245	$ 11.1492	$11.4837	$ 11.8282	$12.1831
Southridge I	847	$ 2.4163	$ 2.8012	$ 2.8852	$ 2.9717	$ 3.0609	$ 3.1527	$ 3.2473	$ 3.3447	$ 3.4451	$ 3.5484	$ 3.6549	$ 3.7645	$ 3.8775	$ 3.9938	$ 4.1136
Southridge II	847	$ 3.2063	$ 3.7170	$ 3.8285	$ 3.9433	$ 4.0616	$ 4.1835	$ 4.3090	$ 4.4383	$ 4.5714	$ 4.7086	$ 4.8498	$ 4.9953	$ 5.1452	$ 5.2995	$ 5.4585

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Appendix G-5: Measurement and Verification Protocol By Measure

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APPENDIX G-5
IPMVP Methodology by Utility & Measure

MIAMI-DADE PUBLIC HOUSING AND COMMUNITY DEVELOPMENT

NOTES:
1. Energy and cost savings from ECMs designated Option A in the tables below shall be calculated as part of the Add-on Subsidy.
2. Energy and cost savings from ECMs designated Option C in the tables below shall be calculated as part of the Frozen Rolling Base.

Table G-5.A Master Metered M&V Methodology	Energy (kWh)													Demand (kW)				Water & Sewer ($)				
		Solar Hot Water	Solar Photovoltaic	Cool Roof	Energy Star Roof	Roof Insulation	Wall Insulation	Energy Star Windows	Impact Windows	Air Conditioning	Chiller	Lighting	Occupancy Sensors	Solar Photovoltaic	Cool Roof	Energy Star Roof	Roof Insulation	Low Flow Fixtures	Low Flow Toilets	Showerheads	Faucet Aerators	Water Heater
Gwen Cherry 22	821											A						A	A			
Gwen Cherry 20	821											C						A	A			
Newberg	821																					
Lemon City	821			A	A					A		A		A	A			C	C	C		
Ward Towers	822			C								C		C	C			C	C	C		
Ward Towers ALF	817	C	C	C	C	C	C	C	C		C	C					A	C	C	C	C	
Emmer Turnkey	823		A	A								A						C	C	C		
Kline Nunn	823		A	A								A						C	C	C		
Little River Plaza	823			C	C					C	C	C		A	A	A		C	C	C		
Peters Plaza	823		C	C							C	C				A		C	C	C		
Twin Lakes	825		C	C								C						C	C	C		
Palm Towers	825		A	A							A	A				A		C	C	C		
Palm Court	825			A	A					A		A		A				C	C			
Opa Locka Elderly	825		A									A						C	C	C		
Edison Plaza (Elderly)	826			A	A					A		A		C	C			C	C	C		
Palmetto Gardens	826			A										A	A			A	A	A		
Jollivette	829													C				C	C			
Gwen Cherry 07	821											A						C	C			
Gwen Cherry 05	821											A						A	A			
New Haven Gardens/Site 05	821																	C	C			
Scattered Sites - A	822																	C	C			
Manor Park (Scattered Site)	822																					
Orchard Villa Homes (Scattered Site)	822																					
Little River Terrace	823			A								A	A					C	C			
Annie Coleman (Scattered Site) 14	824													C				C	C			
Annie Coleman (Scattered Site) 15	824																	C	C			
Annie Coleman (Scattered Site) 16	824													C				C	C			
FHA Homes Dade Co. - C (Scattered)	10																					
Venetian Gardens (Scattered Site)	826																					
Vista Verde (Scattered)	826																					

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Liberty Homes	827																				
Edison Courts	828			A													C	C			
Edison Park (Family, Scattered Site)	828											C									
Model Cities - C (Scattered Sites)	829																C	C			
Victory Homes (Scattered Sites)	829																C	C			
Wynwood Elderly	830			C		C					C	C		A	A	A	C	C	C		
Parkside I & II	832			A								A		A	A		C	C	C		
Phyllis Wheatley	833			A								A		A	A		C	C	C		
Claude Pepper	833	A	A	A	A							A					C	C	C		
Helen Sawyer Plaza, ALF	834			A	A					A		A		A	A		C	C	C		
Donn Gardens	837		A									A					C	C	C		
Abe Arronovitz	837			C							C	C		A	A	A	C	C	C		
Scattered Site 9 - D	837																C	C			
Scattered Site 11 - D	837			A													C	C			
Falk Turnkey	839		A	A		A						A					C	C	C		
Jose Marti Plaza	839			C								C		A	A		C	C	C		
Harry Cain	840			C								C	C	A	A		C	C	C		
In Cities -Wynwood (Scattered Site)	830											A									
Buena Vista Homes (Scattered)	830																				
Wynwood Homes - C (Scattered)	830																				
Gwen Cherry 23 - C (Scattered)	830																C	C			
Rainbow Village	830			A													C	C			
Town Park	830											A									
Culmer Place	831																C	C			
Culmer Gardens	831																				
Little Havana Homes (Scattered)	839		C	C								C					C	C	C		
Gwen Cherry 08	841											A					C	C			
Gwen Cherry 12	841											A					C	C			
Gwen Cherry 13	841											A					C	C			
Gwen Cherry 14	841			C								C					C	C			
Gwen Cherry 15	841											A					C	C			
Gwen Cherry 16	841											A					C	C			
Allapattah Homes (Scattered Site)	841																				
Santa Clara Homes (Scattered Site)	841																				

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Biscayne Plaza	843		C	C								C					C	C	C		
Homestead Gardens	844		A	A													C	C	C		
Florida City Gardens	844		A	A								A									
W. Homestead Gardens	844		A														A	A	A		
Homestead East	844		A	A													A	A	A		
Perrine Villas	845		C	C								C					C	C	C		
Moody Gardens	846		A	A								A					C	C	C		
Goulds Plaza	847		C	C								C					C	C	C		
0	0																				

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APPENDIX G-5
IPMVP Methodology by Utility & Measure

MIAMI-DADE PUBLIC HOUSING AND COMMUNITY DEVELOPMENT

NOTES:
1. Energy and cost savings from ECMs designated Option A in the tables below shall be calculated as part of the Utility Allowance Savings.

Table G-5.B Tenant Paid M&V Methodology		Electricity (kWh)			Natural Gas (Therms)	Water & Sewer (CCF)		
	AMP #	ECM - 2 Install Low Flow Showerheads & Faucet Aerators	ECM - 5 Upgrade Apartment Lighting	ECM - 8 Install Electric Instantaneous Water Heaters	ECM - 2 Install Low Flow Showerheads & Faucet Aerators	ECM - 1 Install HET Toilets	ECM - 2 Install Low Flow Showerheads & Faucet Aerators	
Gwen Cherry 22	821	A	A					
Gwen Cherry 20	821	A	A					
Newberg	821		A					
Lemon City	821							
Ward Towers	822		A					
Ward Towers ALF	817							
Emmer Turnkey	823	A	A					
Kline Nunn	823	A	A					
Little River Plaza	823							
Peters Plaza	823	A	A					
Twin Lakes	825	A	A					
Palm Towers	825	A	A					
Palm Court	825							
Opa Locka Elderly	826	A	A					
Edison Plaza (Elderly)	828							
Palmetto Gardens	826		A					
Jollivette	829		A					

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Gwen Cherry 07	821		A		A			
Gwen Cherry 06	821		A		A			
New Haven Gardens/Site 05	821		A		A			
Scattered Sites - A	822		A		A			
Manor Park (Scattered Site)	822	A	A			A	A	
Orchard Villa Homes (Scattered Site)	822	A	A			A	A	
Little River Terrace	823	A	A					
Annie Coleman (Scattered Site) 14	824		A					
Annie Coleman (Scattered Site) 15	824	A	A					
Annie Coleman (Scattered Site) 16	824		A					
FHA Homes Dade Co. - C (Scattered)	10		A		A	A	A	
Venetian Gardens (Scattered Site)	826		A		A	A	A	
Vista Verde (Scattered)	826		A		A	A	A	
Liberty Homes	827	A	A			A	A	
Edison Courts	828	A	A					
Edison Park (Family, Scattered Site)	828		A		A	A	A	
Model Cities - C (Scattered Sites)	829		A		A			
Victory Homes (Scattered Sites)	829		A		A			
Wynwood Elderly	830		A					
Parkside I & II	832		A					
Phyllis Wheatley	833		A					
Claude Pepper	833							
Helen Sawyer Plaza, ALF	834							
Donn Gardens	837	A	A					
Abe Arronovitz	837		A					
Scattered Site 9 - D	837	A	A					
Scattered Site 11 - D	837	A	A					
Falk Turnkey	839	A	A					
Jose Marti Plaza	839		A					
Harry Cain	840		A					
In Cities -Wynwood (Scattered Site)	830	A	A			A	A	
Buena Vista Homes (Scattered)	830		A		A	A	A	
Wynwood Homes - C (Scattered)	830		A		A	A	A	
Gwen Cherry 23 - C (Scattered)	830		A		A			
Rainbow Village	830		A		A			
Town Park	830		A		A	A	A	
Culmer Place	831		A		A			
Culmer Gardens	831		A		A	A	A	
Little Havana Homes (Scattered)	839	A	A			A	A	
Gwen Cherry 08	841	A	A					
Gwen Cherry 12	841		A		A			
Gwen Cherry 13	841		A		A			
Gwen Cherry 14	841		A		A			
Gwen Cherry 15	841		A		A			
Gwen Cherry 16	841		A		A			
Allapallah Homes (Scattered Site)	841	A	A			A	A	
Santa Clara Homes (Scattered Site)	841	A	A			A	A	

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Biscayne Plaza	843	A	A					
Homestead Gardens	844	A	A					
Florida City Gardens	844	A	A			A	A	
W. Homestead Gardens	844	A	A					
Homestead East	844	A	A					
Perrine Villas	845	A	A					
Moody Gardens	846	A	A					
Goulds Plaza	847	A	A					
0	0							

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G-5.1 Install HET Toilets (ECM-1)

IPMVP Methodologies Employed: Option A and Option C

For the majority of the anticipated water savings for this project (93%), Option C, measurement at the metered utility consumption, will be the methodology utilized for the savings verification. Option C methodology will apply to the master-metered water and sewer savings for ECM-1 included as part of the Frozen Rolling Base (FRB) Savings Incentive for the PHA developments listed in Table G-5A in accordance with Appendix G-1.

Option A methodology will apply to the master-metered water and sewer savings for ECM-1 included as part of the Add-On Savings (AOS) for the PHA developments listed in Table G-5A in accordance with Appendix G-2. Option A methodology will also apply to the tenant-paid water and sewer savings for ECM-1 included as part of the Utility Allowance Savings (UAS) for the PHA developments listed in Table G-5B in accordance with Appendix G-3. Please see Appendix G-7 for the calculated W&S tenant utility allowance adjustments that will result from this ECM.

A) ECM-1 - Install HET Toilets Option A – Additional Operating Subsidy (AOS) M&V Approach

Approach Summary:

ECM-1 AOS Savings are included in Appendix G-2.

Table G-5.1.A: ECM-1 Option A - AOS M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option A	Water & Sewer AOS	Before (Baseline)	**Performance Parameter** – Toilet Fixture Gallons/Flush from Energy Audit	Random sampling of each AMP's units selected using 80/10 confidence/precision level
		Immediately After Installation (Post)	(Same as Baseline)	
		Annually	**Operation Verification** – Visual Inspection of Installed Equipment	
		Every 5th Year	**Performance Parameter** – Toilet Fixture Gallons/Flush Measurements	

Formulae for Savings:

Toilet Water and Sewer Savings in CCFs Per Development = {[Baseline Toilet and/or Urinal Flow Rate in Gallons/Flush] x [Number of Uses Per Day Per Occupant] x [Number of Occupants] x [Days Per Year]} - {[Post Toilet or Urinal Flow Rate in

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Gallons/Flush] x [Number of Uses Per Day Per Occupant] x [Number of Occupants] x [Days Per Year]} ÷ [748 Gallons/CCF] + [Leak Volume in CCF]

Input Values:

The existing and proposed fixture flow rates, number of uses and occupancy rates are specified in Table G.5.1.B and will be held fixed throughout the contract term, except as noted in the following Inspections & Baseline/Savings Adjustments Section.

Output Values:

The water and sewer AOS Savings will be in accordance with Table G.5.1.B, and held fixed throughout the contract term, unless otherwise adjusted as noted in the following Inspections & Baseline/Savings Adjustments Section.

Inspections & Baseline/Savings Adjustments:

Baseline flow measurements were taken during the energy audit and are the basis for the values in Table G.5.1.B.

For each year of the contract term, Ameresco will verify the operation (Operation Verification) of the equipment installed as part of ECM-1 by visually inspecting a sample of units at the developments where the Option A - AOS M&V Approach is utilized to verify if the equipment is still installed and functioning as intended. These visual inspections will be taken for a randomly selected quantity of units as required to ensure an 80% confidence level and 10% precision level per AMP and the results of these inspections will be reported to the PHA annually.

Additionally, after the installation of ECM-1 and subsequently in years 6, 11, and 16 (every 5th year after post installation inspection) Ameresco will verify the Performance Parameter. For ECM-1 the Performance Parameters that will be measured will be toilet flow rates. These measurements will be taken for a randomly selected quantity of units as required to ensure an 80% confidence level and 10% precision level per AMP where the Option A - AOS M&V Approach is utilized. If the average variance between the measured Performance Parameter and the rated values presented in Table G.5.1.B is greater than 10%, then the PHA will first adjust and/or repair as necessary the equipment to achieve a less than 10% average variance between measured and rated values. If, after such actions have been taken, the measured values still vary in excess of 10% from the rated values, then the savings estimates will be revised to reflect the average of the final measured values.

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In addition to the baseline/savings adjustments noted in this section, all applicable baseline adjustments noted in Section G-5.15 Baseline Adjustments and/or Sections 8 and 10 of the ESA will apply to the ECM-1 Option A - AOS M&V Approach.

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Table G-5.1.B: Install HET Toilets (ECM-1) - AOS Savings Calculations

TABLE G.5.1B SAVINGS CALCULATIONS-TOILET REPLACEMENT

NOTES:

1. Water savings associated with toilet replacements are stipulated throughout the contract term at the sites listed below, unless otherwise adjusted per the M&V protocol.
2. Existing toilet flush volume in gallons-per-flush (GPF) is based on an average of the rated toilet flush volumes at each development, based on a 10% apartment sampling.
3. The number of flushes per day per person figures are based on an end-use analysis, factoring in toilet, laundry, and other water end-uses.

			Existing				Proposed		
Toilet Consumption	# of Occupants	Days/Year	Average Toilet Usage (gpf)	Estimated Flushes / Person / Day	Leak Factor Adjustment	Annual Water Use Attributable to Toilets (CCF)	New Toilet Consumption (gpf)	Annual Water Use attributable to Toilets (CCF)	Estimated Toilet Savings (CCF)
Gwen Cherry 22	15	365	3.1	10.0	15%	259	1.28	94	166
Gwen Cherry 20	18	365	3.8	10.0	0%	329	1.28	112	217
Palmetto Gardens	47	365	2.2	10.0	10%	547	1.28	294	253
Gwen Cherry 06	23	365	2.5	6.0	0%	170	1.28	86	84
W. Homestead Gardens	8	365	2.1	8.0	0%	65	1.28	40	25
Homestead East	31	365	3.0	5.0	0%	230	1.28	97	133
Total									877

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B) ECM-1 - Install HET Toilets Option A – Utility Allowance Savings (UAS) M&V Approach

Approach Summary:

ECM-1 UAS Savings are included in Appendix G-3.

Table G-5.1.C: ECM-1 Option A - UAS M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option A	Water & Sewer UAS	Before (Baseline)	**Performance Parameter** – Toilet Fixture Gallons/Flush from Energy Audit	Random sampling of each AMP's units selected using 80/10 confidence/precision level
		Immediately After Installation (Post)	(Same as Baseline)	
		Annually	**Operation Verification** – Visual Inspection of Installed Equipment	
		Every 5th Year	**Performance Parameter** – Toilet Fixture Gallons/Flush Measurements	

Formulae for Savings:

Toilet Water and Sewer Savings in CCFs Per Development = {[Baseline Toilet and/or Urinal Flow Rate in Gallons/Flush] x [Number of Uses Per Day Per Occupant] x [Number of Occupants] x [Days Per Year]} - {[Post Toilet or Urinal Flow Rate in Gallons/Flush] x [Number of Uses Per Day Per Occupant] x [Number of Occupants] x [Days Per Year]} ÷ [748 Gallons/CCF] + [Leak Volume in CCF]

Input Values:

The existing and proposed fixture flow rates, number of uses and occupancy rates are specified in Table G.5.1.D and will be held fixed throughout the contract term, except as noted in the following Inspections & Baseline/Savings Adjustments Section.

Output Values:

The water and sewer UAS Savings will be in accordance with Table G.5.1.D, and held fixed throughout the contract term, unless otherwise adjusted as noted in the following Inspections & Baseline/Savings Adjustments Section.

Inspections & Baseline/Savings Adjustments:

Baseline flow measurements were taken during the energy audit and are the basis for the values in Table G.5.1.D.

For each year of the contract term Ameresco will verify the operation (Operation Verification) of the equipment installed as part of ECM-1 by visually inspecting a sample of units at the developments where the Option A - UAS M&V Approach is utilized to verify if the equipment is still installed and functioning as intended. These visual inspections will be taken for a randomly selected quantity of units as required to ensure an 80% confidence level and 10% precision level per AMP and the results of these inspections will be reported to the PHA annually.

Additionally, after the installation of ECM-1 and subsequently in years 6, 11, and 16 (every 5th year after post installation inspection) Ameresco will verify the Performance Parameter. For ECM-1 the Performance Parameters that will be measured will be toilet flow rates. These measurements will be taken for a randomly selected quantity of units as required to ensure an 80% confidence level and 10% precision level per AMP where the Option A - UAS M&V Approach is utilized. If the average variance between the measured Performance Parameter and the rated values presented in Table G.5.1.D is greater than 10%, then the PHA will first adjust and/or repair as necessary the equipment to achieve a less than 10% average variance between measured and rated values. If, after such actions have been taken, the measured values still vary in excess of 10% from the rated values, then the savings estimates will be revised to reflect the average of the final measured values.

In addition to the baseline/savings adjustments noted in this section, all applicable baseline adjustments noted in Section G-5.15 Baseline Adjustments and/or Sections 8 and 10 of the ESA will apply to the ECM-1 Option A - UAS M&V Approach.

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Table G-5.1.D: Install HET Toilets (ECM-1) - UAS Savings Calculations

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NOTES:

1. Water savings associated with toilet replacements are stipulaled throughout the contract term at the sites listed below, unless otherwise adjusted per the M&V protocol.
2. Existing toilet flush volume in gallons-per-flush (GPF) is based on an average of the rated toilet flush volumes at each development, based on a 10% apartment sampling.
3. The number of flushes per day per person figures are based on an end-use analysis, factoring in toilet, laundry, and other water end-uses.

Toilet Consumption			Existing				Proposed		
	# of Occupants	Days Per Year	Average Toilet Usage (GPF)	Estimated Flushes Per Person	Leak Factor Adjustment	Annual Water Use Attributable to Toilets (CCF)	New Toilet Consumption (GPF)	Annual Water Use Attributable to Toilets (CCF)	Estimated Total Savings (CCF)
Manor Park (Scattered Site)	91	365	3.0	8.0	0%	1,071	1.28	455	616
Orchard Villa Homes (Scattered Site)	41	365	2.4	5.0	5%	255	1.28	128	127
FHA Homes-Dade Co. - C (Scattered)	15	365	2.5	8.0	0%	150	1.28	77	73
Venetian Gardens (Scattered Site)	167	365	2.7	7.0	0%	1,519	1.28	730	789
Vista Verde (Scattered)	88	365	2.5	5.0	0%	546	1.28	275	271
Liberty Homes	116	365	3.3	7.0	0%	1,293	1.28	507	786
Edison Park (Family, Scattered Site)	111	365	3.2	8.0	0%	1,395	1.28	555	841
Medvin Apartments	14	365	1.6	7.0	0%	77	1.28	61	15
In Cities -Wynwood (Scattered Site)	117	365	1.7	8.0	0%	761	1.28	585	177
Buena Vista Homes (Scattered)	64	365	3.1	8.0	0%	758	1.28	320	448
Wynwood Homes - C (Scattered)	119	365	2.3	8.0	0%	1,080	1.28	595	485
Town Park	98	365	2.1	8.0	0%	803	1.28	490	314
Culmer Gardens	169	365	3.1	8.0	0%	2,019	1.28	844	1,174
Little Havana Homes (Scattered)	25	365	3.8	6.0	0%	277	1.28	94	183
Allapallah Homes (Scattered Site)	165	365	2.5	6.0	0%	1,208	1.28	618	589
Santa Clara Homes (Scattered Site)	42	365	2.7	8.0	0%	436	1.28	210	226
Florida City Gardens	47	365	3.6	10.0	20%	981	1.28	294	688
Grove Homes (Scattered Sites)	66	365	1.6	10.0	0%	507	1.28	412	95
Homeownership (010), (Scattered Sites)	7	365	2.3	8.0	0%	63	1.28	35	28
Heritage Village II	84	365	2.3	8.0	0%	765	1.28	420	345
Wayside	81	365	1.9	6.0	0%	443	1.28	304	139
Florida City Family	102	365	3.2	5.0	0%	784	1.28	319	465
Homestead Village	40	365	1.6	10.0	10%	340	1.28	247	93
Richmond Homes	111	365	2.1	8.0	0%	921	1.28	555	366
FHA Scattered Homes (Scattered)	8	365	1.5	8.0	0%	45	1.28	40	5
Moody Village	216	365	2.7	6.0	0%	1,682	1.28	809	873
Pine Island I	191	365	2.2	6.0	0%	1,222	1.28	716	506
Pine Island II	171	365	2.4	6.0	0%	1,189	1.28	641	548
Southridge I	181	365	2.1	8.0	0%	1,470	1.28	904	565
Southridge II	100	365	2.0	10.0	0%	960	1.28	625	335
Total									12,168

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C) ECM-1 - Install HET Toilets Option C – Frozen Rolling Base (FRB) M&V Approach

Approach Summary:

ECM-1 FRB Savings are included in Appendix G-1.

Table G-5.1.E: ECM-1 Option C FRB M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option C	W&S FRB	Monthly	**Utility Bill Analysis**	All applicable utility bills
		Every 5th Year	**Operation Verification** – Visual Inspection of Installed Equipment	Random sampling of each AMP's units selected using 80/10 confidence/precision level

The baseline and proposed water savings calculations were based on the current occupancy as specified in Table G.5.1.F. Refer to Appendix G-1 for utility bill analysis and visual inspection procedures.

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Table G-5.1.F: Water Calculation Population Data for the PHA Developments

Development Name	Occupants	Development Name	Occupants
Gwen Cherry 22	15	Claude Pepper	179
Gwen Cherry 20	18	Helen Sawyer Plaza, ALF	92
Lemon City	105	Haley Sofge Towers	515
Ward Towers	188	Donn Gardens	69
Ward Towers ALF	92	Abe Arronovitz	58
Emmer Turnkey	45	Scattered Site 9 - D	16
Kline Nunn	34	Scattered Site 11 - D	40
Little River Plaza	75	Three Round Towers	485
Peters Plaza	103	Falk Turnkey	49
Twin Lakes	87	Jose Marti Plaza	66
Palm Towers	100	Joe Moretti	258
Palm Court	98	Harry Cain	156
Opa Locka Elderly	54	Gwen Cherry 23 - C (Scattered)	89
Edison Plaza (Elderly)	80	Rainbow Village	249
Palmetto Gardens	47	Culmer Place	414
Jollivette	64	Little Havana Homes (Scattered)	67
Gwen Cherry 07	108	Gwen Cherry 08	69
Gwen Cherry 06	23	Gwen Cherry 12	15
New Haven Gardens/Site 05	271	Gwen Cherry 13	88
Scattered Sites - A	84	Gwen Cherry 14	247
Little River Terrace	342	Gwen Cherry 15	80
Annie Coleman (Scattered Site) 14	725	Gwen Cherry 16	231
Annie Coleman (Scattered Site) 15	421	Biscayne Plaza	55
Annie Coleman (Scattered Site) 16	723	Homestead Gardens	385
Liberty Square (2)	693	W. Homestead Gardens	8
Liberty Square (3)	889	Homestead East	31
Liberty Square (5)	470	Perrine Villas	21
Edison Courts	587	Moody Gardens	43
Model Cities - C (Scattered Sites)	132	Goulds Plaza	58
Victory Homes (Scattered Sites)	349	South Miami	199
Wynwood Elderly	74	Perrine Gardens	505
Parkside I & II	58	Naranja	450
Phyllis Wheatley	38	Arthur Mays Village	556
Total	**13,035**		

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G-5.2 Install Low-Flow Showerheads & Faucet Aerators (ECM-2)

IPMVP Methodologies Employed: Option A and Option C

Option A methodology will apply to the master-metered electric, natural gas and water and sewer savings for ECM-2 included as part of the Add-On Savings (AOS) for the PHA developments listed in Table G-5A in accordance with Appendix G-2. Option A methodology will also apply to the tenant-paid electric, natural gas and water and sewer savings for ECM-2 included as part of the Utility Allowance Savings (UAS) for the PHA developments listed in Table G-5B in accordance with Appendix G-3. Please see Appendix G-7 for the calculated electric, natural gas, and water and sewer tenant utility allowance adjustments that will result from this ECM.

Option C methodology will apply to the master-metered electric, natural gas and water and sewer savings for ECM-2 included as part of the Frozen Rolling Base (FRB) Savings Incentive for the PHA developments listed in Table G-5A in accordance with Appendix G-1.

A) ECM-2 - Install Low-Flow Showerheads & Faucet Aerators Option A – Additional Operating Subsidy (AOS) M&V Approach

Approach Summary:

ECM-2 AOS Savings are included in Appendix G-2.

Table G-5.2.A: ECM-2 Option A - AOS M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option A	Natural Gas Electric Water & Sewer AOS	Before (Baseline)	**Performance Parameter** – Shower & Sink Fixture Gallons/Minute from Energy Audit	Random sampling of each AMP's units selected using 80/10 confidence/precision level
		Immediately After Installation (Post)	(Same as Baseline)	
		Annually	**Operation Verification** – Visual Inspection of Installed Equipment	
		Every 5th Year	**Performance Parameter** – Shower & Sink Fixture Gallons/Minute Measurements	

Formulae for Savings:

Showerhead & Aerator Water and Sewer Savings in CCFs = {[Baseline Showerhead or Faucet Flow Rate in Gallons/Minute] x [Total Minutes of Use Per Day] x [Days Per Year]} - {[Post Showerhead or Faucet Flow Rate in Gallons/Flush] x [Total Minutes of Use Per Day] x [Days Per Year]} ÷ [748 Gallons/CCF]

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Domestic Hot Water Energy Savings in kWh = [*Showerhead & Aerator Water and Sewer Savings in CCF*] x [748 Gallons/CCF] x [8.33 lb/Gallon] x [1 Btu/lb °F] x [Temperature Rise of Water] ÷ [DHW % Efficiency] ÷ 3,413 btu/kWh

Domestic Hot Water Energy Savings in Therms = [*Showerhead & Aerator Water and Sewer Savings in CCF*] x [748 Gallons/CCF] x [8.33 lb/Gallon] x [1 Btu/lb °F] x [Temperature Rise of Water] ÷ [DHW % Efficiency] ÷ 100,000 btu/therm

Input Values:

The existing and proposed fixture flow rates, time of operation/number of uses, water heating efficiency, and average water temperature rise are specified in Table G.5.2.B and will be held fixed throughout the contract term, except as noted in the following Inspections & Baseline/Savings Adjustments Section.

Output Values:

The electric, natural gas and water and sewer AOS Savings will be in accordance with Table G.5.2.B, and held fixed throughout the contract term, unless otherwise adjusted as noted in the following Inspections & Baseline/Savings Adjustments Section.

Inspections & Baseline/Savings Adjustments:

Baseline flow measurements were taken during the energy audit and are the basis for the values in Table G.5.2.B.

For each year of the contract term Ameresco will verify the operation (Operation Verification) of the equipment installed as part of ECM-2 by visually inspecting a sample of units at the developments where the Option A - AOS M&V Approach is utilized to verify if the equipment is still installed and functioning as intended. These visual inspections will be taken for a randomly selected quantity of units as required to ensure an 80% confidence level and 10% precision level per AMP and the results of these inspections will be reported to the PHA annually.

Additionally, after the installation of ECM-2 and subsequently in years 6, 11, and 16 (every 5th year after post installation inspection), Ameresco will verify the Performance Parameter. For ECM-2 the Performance Parameters that will be measured will be showerhead and aerator flow rates. These measurements will be taken for a randomly selected quantity of units as required to ensure an 80% confidence level and 10% precision level per AMP where the Option A - AOS M&V Approach is utilized. If the average variance between the measured Performance Parameter and the rated value presented in Table G.5.2.B is greater than 10%, then the PHA will first adjust and/or

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repair as necessary the equipment to achieve a less than 10% average variance between measured and rated values. If, after such actions have been taken, the measured values still vary in excess of 10% from the rated values, then the savings estimates will be revised to reflect the average of the final measured values.

In addition to the baseline/savings adjustments noted in this section, all applicable baseline adjustments noted in Section G-5.15 Baseline Adjustments and/or Sections 8 and 10 of the ESA will apply to the ECM-2 Option A - AOS M&V Approach.

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Table G-5.2.B: Install Low-Flow Showerheads & Faucet Aerators (ECM-2) - AOS Savings Calculations

Notes:

1. Thermal savings associated with aerators and showerheads at the sites listed below will be held constant throughout the contract term, unless otherwise adjusted per the M&V protocol.
2. Average existing faucet and showerhead flow rates in gallons-per-minute (GPM) is based on a tested sample of fixtures in 10% of the apartments at each development.
3. Minutes of use per day per person figures based on an end-use analysis, factoring in toilet, laundry, and other water end-uses.
4. Water heater system efficiency is typical efficiency based on observed site conditions.

Gwen Cherry 22	15	365	2.0	5.0	99%	71	1.5	55	16	1,555			16
Gwen Cherry 20	14	365	2.1	5.0	99%	63	1.5	68	27	2,991			27
Lemon City	105	365	2.3	5.0	80%	576	1.5	364	182	22,447	224		
Little River Plaza	75	365	2.4	5.0	80%	435	1.5	274	161	18,759	186		
Palm Court	98	365	2.7	5.0	80%	647	1.5	359	288	33,730	337		
Palmetto Gardens	47	365	1.8	5.0	80%	202	1.5	172	30	3,517	35		30
Gwen Cherry 06	23	365	2.1	5.0	80%	118	1.5	84	34	3,934			34
Wynwood Elderly	74	365	2.5	5.0	80%	450	1.5	271	179	20,954	210		
Parkside I & II	58	365	2.2	5.0	80%	315	1.5	212	103	12,055	121		
Phyllis Wheatley	38	365	2.2	5.0	80%	204	1.5	136	68	7,982	76		
Claude Pepper	170	365	2.4	5.0	95%	1,050	1.5	655	395	37,268		10,625	
Helen Sawyer Plaza, ALF	92	365	2.0	5.0	80%	444	1.5	337	107	12,480	125		
Abe Arrowsvitz	58	365	2.2	5.0	80%	317	1.5	212	105	12,289	123		
Jose Marti Plaza	66	365	2.5	5.0	80%	412	1.5	242	170	19,910	199		
Harry Cain	156	365	2.3	5.0	80%	967	1.5	671	296	34,641	346		
W. Homestead Gardens	8	365	2.4	5.0	99%	45	1.5	29	17	1,589			17
Homestead East	31	365	2.2	5.0	99%	166	1.5	113	53	4,998			53
Perrine Gardens	505	365	2.2	5.0	100%	2,650	1.5	1,848	802	4,425	44		
Total											2,027	10,625	177

Gwen Cherry 22	15	365	1.9	8.0	99%	110	1.75	102	7	1,382			7
Gwen Cherry 20	16	365	2.0	8.0	99%	141	1.75	123	18	3,317			18
Lemon City	105	365	2.4	8.0	80%	1,091	1.75	717	283	66,187	662		
Little River Plaza	75	365	2.1	8.0	80%	606	1.75	512	94	21,601	216		
Palm Court	98	365	2.4	8.0	80%	902	1.75	669	232	54,272	543		
Palmetto Gardens	47	365	2.0	8.0	80%	363	1.75	321	42	9,850	99		42
Gwen Cherry 06	23	365	1.7	8.0	80%	153	1.75	157	0	0			0
Wynwood Elderly	74	365	3.1	8.0	80%	898	1.75	506	392	91,629	916		
Parkside I & II	58	365	2.7	8.0	80%	608	1.75	396	211	49,412	494		
Phyllis Wheatley	38	365	3.3	8.0	80%	490	1.75	260	230	53,723	537		
Claude Pepper	170	365	3.1	8.0	95%	2,179	1.75	1,223	956	166,443		52,869	
Helen Sawyer Plaza, ALF	92	365	2.5	8.0	80%	680	1.75	629	252	58,861	589		
Abe Arrowsvitz	58	365	3.7	8.0	80%	827	1.75	396	431	100,664	1,007		
Jose Marti Plaza	66	365	2.5	8.0	80%	644	1.75	451	193	45,151	452		
Harry Cain	156	365	2.0	8.0	80%	1,722	1.75	1,056	157	36,990	369		
W. Homestead Gardens	8	365	1.8	8.0	99%	58	1.75	56	2	295	-		2
Homestead East	31	365	1.8	8.0	95%	136	1.75	132	4	714			4
Perrine Gardens	505	365	2.2	8.0	100%	4,436	1.75	3,450	986	10,613	106		
Total											5,991	52,869	72
										Total Aerator and Showerhead Savings	8,018	63,795	250

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B) ECM-2 - Install Low-Flow Showerheads & Faucet Aerators Option A – Utility Allowance Savings (UAS) M&V Approach

Approach Summary:

ECM-2 UAS Savings are included in Appendix G-3.

Table G-5.2.C: ECM-2 Option A - UAS M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option A	Natural Gas Electric Water & Sewer UAS	Before (Baseline)	**Performance Parameter** – Shower & Sink Fixture Gallons/Minute from Energy Audit	Random sampling of each AMP's units selected using 80/10 confidence/precision level
		Immediately After Installation (Post)	(Same as Baseline)	
		Annually	**Operation Verification** – Visual Inspection of Installed Equipment	
		Every 5th Year	**Performance Parameter** – Shower & Sink Fixture Gallons/Minute Measurements	

Formulae for Savings:

Showerhead & Aerator Water and Sewer Savings in CCFs = {[Baseline Showerhead or Faucet Flow Rate in Gallons/Minute] x [Total Minutes of Use Per Day] x [Days Per Year]} - {[Post Showerhead or Faucet Flow Rate in Gallons/Flush] x [Total Minutes of Use Per Day] x [Days Per Year]} ÷ [748 Gallons/CCF]

Domestic Hot Water Energy Savings in kWh = [*Showerhead & Aerator Water and Sewer Savings in CCF*] x [748 Gallons/CCF] x [8.33 lb/Gallon] x [1 Btu/lb °F] x [Temperature Rise of Water] ÷ [DHW % Efficiency] ÷ 3,413 btu/kWh

Domestic Hot Water Energy Savings in Therms = [*Showerhead & Aerator Water and Sewer Savings in CCF*] x [748 Gallons/CCF] x [8.33 lb/Gallon] x [1 Btu/lb °F] x [Temperature Rise of Water] ÷ [DHW % Efficiency] ÷ 100,000 btu/therm

Input Values:

The existing and proposed fixture flow rates, time of operation/number of uses, water heating efficiency, and average water temperature rise are specified in Table G.5.2.D and will be held fixed throughout the contract term, except as noted in the following Inspections & Baseline/Savings Adjustments Section.

Output Values:

The electric, natural gas and water and sewer UAS Savings will be in accordance with Table G.5.2.D, and held fixed throughout the contract term, unless otherwise adjusted as noted in the following Inspections & Baseline/Savings Adjustments Section.

Inspections & Baseline/Savings Adjustments:

Baseline flow measurements were taken during the energy audit and are the basis for the values in Table G.5.2.D.

For each year of the contract term Ameresco will verify the operation (Operation Verification) of the equipment installed as part of ECM-2 by visually inspecting a sample of units at the developments where the Option A - UAS M&V Approach is utilized to verify if the equipment is still installed and functioning as intended. These visual inspections will be taken for a randomly selected quantity of units as required to ensure an 80% confidence level and 10% precision level per AMP and the results of these inspections will be reported to the PHA annually.

Additionally, after the installation of ECM-2 and subsequently in years 6, 11, and 16 (every 5th year after post installation inspection), Ameresco will verify the Performance Parameter. For ECM-2 the Performance Parameters that will be measured will be showerhead and aerator flow rates. These measurements will be taken for a randomly selected quantity of units as required to ensure an 80% confidence level and 10% precision level per AMP where the Option A - UAS M&V Approach is utilized. If the average variance between the measured Performance Parameter and the rated value presented in Table G.5.2.D is greater than 10%, then the PHA will first adjust and/or repair as necessary the equipment to achieve a less than 10% average variance between measured and rated values. If, after such actions have been taken, the measured values still vary in excess of 10% from the rated values, then the savings estimates will be revised to reflect the average of the final measured values.

In addition to the baseline/savings adjustments noted in this section, all applicable baseline adjustments noted in Section G-5.15 Baseline Adjustments and/or Sections 8 and 10 of the ESA will apply to the ECM-2 Option A - UAS M&V Approach.

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Table G-5.2.D: Install Low-Flow Showerheads & Faucet Aerators (ECM-2) - UAS Savings Calculations

Notes:

1. Thermal savings associated with aerators and showerheads at the sites listed below will be held constant throughout the contract term, unless otherwise adjusted per the M&V protocol.
2. Average existing faucet and showerhead flow rates in gallons-per-minute (GPM) is based on a tested sample of fixtures in 10% of the apartments at each development.
3. Minutes of use per day per person figures based on an end-use analysis, factoring in toilet, laundry, and other water end-uses.
4. Water heater system efficiency is typical efficiency based on observed site conditions.

Site Name/Number	# Occupants	Days Occupied	Avg. Occupancy	Min. Occupancy	Water Heater Efficiency	Water Heater Recovery (GPH)	Existing Showerhead Flow (GPM)	Existing Showerhead Duration (Min/Day)	Existing Showerhead Usage (Gal/Day)	Existing Showerhead Usage (Gal/Year)	Existing Faucet Usage (Gal/Day)	Existing Faucet Usage (Gal/Year)	Savings (Therms)
Gwen Cherry 22	15	365	2.0	5.0	99%	71	1.5	55	16	1,655		456	
Gwen Cherry 20	16	365	2.1	5.0	99%	93	1.5	66	27	2,691		739	
Emmer Turnkey	45	365	2.2	5.0	99%	238	1.5	165	73	6,919		2,027	
Kline Nunn	34	365	2.4	5.0	99%	199	1.5	124	75	7,048		2,065	
Peters Plaza	103	365	2.0	5.0	99%	504	1.5	377	127	11,957		3,503	
Twin Lakes	87	365	2.1	5.0	99%	455	1.5	318	135	12,882		3,775	
Palm Towers	100	365	2.0	5.0	99%	498	1.5	366	132	15,421		4,518	
Opa Locka Elderly	54	365	1.9	5.0	99%	260	1.5	198	56	5,271		1,544	
Gwen Cherry 07	108	365	2.3	5.0	80%	616	1.5	395	221	25,782	258		
Gwen Cherry 06	23	365	2.1	5.0	80%	118	1.5	84	34	3,934	39		
New Haven Gardens/Site 05	271	366	1.6	5.0	80%	1,079	1.5	952	87	19,098	102		
Scattered Sites - A	84	365	2.1	5.0	80%	429	1.5	307	121	14,167	142		
Manor Park (Scattered Site)	91	365	2.1	5.0	99%	470	1.5	333	137	12,891		3,777	137
Orchard Villa Homes (Scattered Site)	41	365	2.2	5.0	99%	219	1.5	150	69	6,552		1,920	69
Little River Terrace	342	365	2.6	5.0	99%	2,150	1.5	1,252	898	84,815		24,850	
Annie Coleman (Scattered Site) 15	421	365	2.1	5.0	99%	2,114	1.5	1,541	573	54,107		15,853	
FHA Homes Dade Co. - C (Scattered)	15	365	2.0	5.0	80%	75	1.5	56	19	2,195	22		19
Venetian Gardens (Scattered Site)	167	365	1.9	5.0	80%	774	1.5	611	163	19,041	190		163
Vista Verde (Scattered)	88	365	2.2	3.0	80%	284	1.5	193	91	10,661	107		91
Liberty Square (2)	693	365	1.9	5.0	99%	3,289	1.5	2,536	733	69,208		20,278	
Liberty Square (3)	889	365	2.1	5.0	99%	4,595	1.5	3,254	1,341	126,616		37,088	
Liberty Square (5)	470	365	2.2	5.0	99%	2,531	1.5	1,720	811	76,559		22,432	
Liberty Homes	116	365	2.4	5.0	99%	677	1.5	425	252	23,787		6,972	252
Edison Courts	687	365	2.0	5.0	80%	2,801	1.5	2,149	743	70,155		20,555	
Edison Park (Family, Scattered Site)	111	365	2.0	5.0	80%	550	1.5	406	144	16,769	188		144
Model Cities - C (Scattered Sites)	132	365	2.3	5.0	80%	733	1.5	483	250	29,160	292		
Victory Homes (Scattered Sites)	349	365	1.9	5.0	80%	1,547	1.5	1,277	369	43,140	431		
Donn Gardens	69	365	2.8	5.0	99%	468	1.5	253	216	20,303		5,999	
Scattered Site 9 - D	16	365	2.1	5.0	99%	82	1.5	59	23	2,211		648	
Scattered Site 11 - D	40	365	2.0	5.0	99%	196	1.5	146	49	4,645		1,361	
Falk Turnkey	49	365	2.1	5.0	99%	247	1.5	179	67	6,349		1,860	
Joe Moretti	258	365	2.3	5.0	99%	1,440	1.5	944	496	46,834		13,722	
Medvin Apartments	14	365	1.5	5.0	99%	51	1.5	51	0	0		0	0
In Cities - Wynwood (Scattered Site)	117	365	2.2	5.0	80%	629	1.5	428	201	23,512		6,889	201
Buena Vista Homes (Scattered)	64	365	1.9	5.0	80%	301	1.5	234	68	7,753	78		68
Wynwood Homes - C (Scattered)	119	365	2.2	5.0	80%	641	1.5	436	206	24,056	240		206
Gwen Cherry 23 - C (Scattered)	89	365	2.9	5.0	80%	633	1.5	326	307	35,897	359		
Rainbow Village	249	365	2.1	5.0	80%	1,282	1.5	911	371	43,295	433		
Town Park	98	365	2.5	5.0	80%	604	1.5	359	245	28,632	286		245
Culmer Place	414	365	1.5	5.0	80%	1,508	1.5	1,016	13	1,475	15		
Culmer Gardens	169	365	2.5	5.0	80%	1,013	1.5	618	394	46,065	461		394
Little Havana Homes (Scattered)	25	365	2.6	5.0	99%	159	1.5	92	67	16,978		4,974	67
Gwen Cherry 08	69	365	3.7	5.0	99%	530	1.5	253	278	26,224		7,684	
Gwen Cherry 12	15	365	2.5	5.0	80%	90	1.5	55	35	4,133	41		
Gwen Cherry 13	88	365	2.1	5.0	80%	451	1.5	322	129	15,050	151		
Gwen Cherry 14	247	365	2.1	5.0	80%	1,269	1.5	904	365	42,620	426		
Gwen Cherry 15	80	365	2.5	5.0	80%	493	1.5	293	200	23,373	234		
Gwen Cherry 16	231	365	2.0	5.0	80%	1,127	1.5	845	277	32,334	323		
Abigaliah Homes (Scattered Site)	165	365	2.3	5.0	99%	941	1.5	604	337	31,798		9,317	337
Santa Clara Homes (Scattered Site)	42	365	2.0	5.0	99%	203	1.5	154	49	4,838		1,358	49
Biscayne Plaza	55	365	2.8	5.0	99%	350	1.5	201	179	18,881		4,949	
Homestead Gardens	385	365	2.0	5.0	99%	1,863	1.5	1,409	454	42,662		12,558	
Florida City Gardens	47	365	2.9	5.0	99%	338	1.5	172	166	15,630		4,579	166
W. Homestead Gardens	8	365	2.4	5.0	99%	46	1.5	29	17	1,589		466	
Homestead East	31	365	2.2	5.0	99%	166	1.5	113	53	4,998		1,464	
Perrine Villas	21	365	2.2	5.0	99%	112	1.5	77	35	3,285		963	
Moody Gardens	43	365	2.3	5.0	99%	240	1.5	157	83	7,841		2,297	
Goulds Plaza	58	365	2.8	5.0	99%	392	1.5	212	180	16,967		4,971	
Grove Homes (Scattered Sites)	66	365	2.1	5.0	99%	330	1.5	242	89	8,361		2,450	89
South Miami	199	365	2.6	5.0	80%	1,273	1.5	728	545	63,994	637		
Homeownership (010) - (Scattered Sites)	7	365	1.8	5.0	90%	30	1.5	26	6	640		188	6
Heritage Village II	84	365	2.3	5.0	99%	481	1.5	307	154	14,511		4,252	154
Wayside	81	365	2.0	5.0	80%	404	1.5	296	107	12,554			107
Florida City Family	102	365	2.7	5.0	99%	663	1.5	373	289	27,312		8,002	289
Homestead Village	40	365	2.0	5.0	99%	193	1.5	145	48	4,561		1,336	48
Perrine Gardens	505	365	2.2	5.0	100%	2,650	1.5	1,848	802	72,167		21,145	
Richmond Homes	111	365	2.3	5.0	99%	621	1.5	409	214	20,241		5,931	214
FHA Scattered Homes (Scattered)	9	365	2.4	5.0	80%	54	1.5	33	21	2,405		705	21
Naranja	450	365	2.2	5.0	99%	2,410	1.5	1,647	763	72,008		21,096	
Moody Village	216	365	2.0	5.0	99%	1,048	1.5	791	258	24,343		7,133	258
Pine Island I	191	365	2.2	5.0	99%	1,032	1.5	869	333	31,468			333
Pine Island II	171	365	2.2	5.0	99%	905	1.5	626	280	26,396			280
Arthur Mays Village	556	365	2.3	5.0	80% / 100%	3,183	1.5	2,035	1,149	107,546	889	5,410	
Southridge I	181	365	1.9	5.0	80%	844	1.5	602	181	21,190	212		181
Southridge II	100	365	1.9	5.0	80%	462	1.5	366	96	11,164	112		96
Total											6,647	336,068	4,682

Gwen Cherry 22	15	365	1.9	8.0	99%	110	1.75	107	7	1,392		405		
Gwen Cherry 20	18	365	2.0	8.0	99%	141	1.75	123	18	3,317		972		
Emmer Turnkey	45	365	2.1	8.0	99%	374	1.75	307	67	12,646		3,705		
Kline Nunn	34	365	2.0	8.0	99%	265	1.75	232	32	6,108		1,790		
Peters Plaza	103	365	2.3	8.0	99%	929	1.75	704	225	42,515		12,457		
Twin Lakes	87	365	2.4	8.0	99%	691	1.75	594	206	38,934		11,407		
Palm Towers	100	365	2.5	8.0	99%	974	1.75	683	291	54,998		16,111		
Opa Locka Elderly	54	365	2.4	8.0	99%	506	1.75	369	137	25,871		7,580		
Gwen Cherry 07	105	365	2.5	8.0	80%	1,003	1.75	738	265	68,957	690			
Gwen Cherry 06	29	365	1.7	8.0	80%	193	1.75	157	0	0	0			
New Haven Gardens/Site 05	271	365	1.8	8.0	80%	1,851	1.75	1,851	0	0	0			
Scattered Sites - A	84	365	2.2	8.0	80%	705	1.75	574	131	30,648	306			
Manor Park (Scattered Sits)	91	365	2.8	8.0	99%	1,007	1.75	622	385	72,664		21,290	365	
Orchard Villa Homes (Scattered Site)	41	365	3.2	8.0	99%	504	1.75	280	224	42,308		12,396	224	
Little River Terrace	342	365	2.5	8.0	99%	3,375	1.75	2,306	1,038	196,083		57,446		
Annie Coleman (Scattered Site) 15	421	365	2.8	8.0	99%	4,637	1.75	2,876	1,761	332,475		97,414		
FHA Homes Dade Co. - C (Scattered)	15	365	2.0	8.0	80%	120	1.75	105	15	3,612	36			15
Venetian Gardens (Scattered Site)	167	365	3.8	8.0	82%	1,458	1.75	713	745	173,985	1,749			745
Vista Verde (Scattered)	88	365	4.1	8.0	80%	889	1.75	376	513	119,999	1,199			513
Liberty Square (2)	893	365	3.4	8.0	99%	9,162	1.75	4,734	4,428	836,002		244,846		
Liberty Square (3)	889	365	3.2	8.0	99%	11,060	1.75	6,093	4,967	941,552		275,901		
Liberty Square (5)	470	365	3.4	8.0	99%	6,219	1.75	3,211	3,008	567,889		166,391		
Liberty Homes	116	365	2.8	8.0	99%	1,285	1.75	792	492	92,923		27,228	492	
Edison Courts	587	365	3.2	8.0	99%	7,298	1.75	4,010	3,318	626,409		183,563		
Edison Park (Family, Scanered Site)	111	365	2.7	8.0	80%	1,187	1.75	758	429	100,235	1,002			429
Model Cities - C (Scattered Sites)	132	365	2.4	8.0	80%	1,250	1.75	902	348	81,271	813			
Victory Homes (Scattered Sites)	348	365	3.6	8.0	80%	4,712	1.75	2,384	2,327	543,822	5,438			
Donn Gardens	69	365	4.6	8.0	99%	1,231	1.75	471	760	143,493		42,043		
Scattered Site 9 - D	16	365	2.8	8.0	99%	172	1.75	109	62	11,795		3,455		
Scattered Site 11 - D	40	365	3.0	8.0	99%	465	1.75	273	191	36,117		10,582		
Falk Turnkey	49	365	3.1	8.0	99%	596	1.75	335	261	47,408		13,889		
Joe Moretti	258	365	2.6	8.0	99%	2,659	1.75	1,763	896	169,248		49,589		
Medvin Apartments	14	365	2.5	8.0	99%	137	1.75	96	41	7,739		2,268	41	
In Cities -Wynwood (Scattered Site)	117	365	2.4	8.0	80%	1,086	1.75	799	287	69,356		20,325	287	
Buena Vista Homes (Scattered)	64	365	2.3	8.0	80%	562	1.75	437	125	29,188	292			125
Wynwood Homes - C (Scattered)	119	365	3.4	8.0	80%	1,593	1.75	813	780	182,199	1,822			780
Gwen Cherry 23 - C (Scattered)	89	365	2.7	8.0	80%	921	1.75	608	313	73,062	731			
Rainbow Village	249	365	2.9	8.0	80%	2,863	1.75	1,701	1,162	271,410	2,714			
Town Park	98	366	3.4	8.0	80%	977	1.75	502	475	110,954	1,110			475
Culmer Place	414	365	1.4	8.0	80%	2,277	1.75	2,828	0	0	0			
Culmer Gardens	169	366	2.6	8.0	80%	1,739	1.75	1,155	584	136,534	1,365			584
Little Havana Homes (Scattered)	25	365	3.0	8.0	99%	299	1.75	171	122	61,730		18,087	122	
Gwen Cherry 08	69	365	2.8	8.0	99%	741	1.75	471	269	50,858		14,901		
Gwen Cherry 12	15	365	2.2	8.0	80%	127	1.75	102	24	5,701	57			
Gwen Cherry 13	88	365	2.8	8.0	80%	962	1.75	601	361	84,261	843			
Gwen Cherry 14	247	365	2.7	8.0	80%	2,579	1.75	1,687	892	208,400	2,084			
Gwen Cherry 15	80	365	2.3	8.0	80%	703	1.75	547	156	36,485	365			
Gwen Cherry 16	231	365	3.6	8.0	80%	3,209	1.75	1,578	1,631	381,022	3,810			
Allapattah Homes (Scattered Site)	165	365	3.7	8.0	99%	1,495	1.75	705	791	149,308		43,747	791	
Santa Clara Homes (Scattered Site)	42	365	2.8	8.0	99%	451	1.75	287	164	30,957		9,070	164	
Biscayne Plaza	55	365	3.1	8.0	99%	662	1.75	376	286	54,092		15,937		
Homestead Gardens	365	365	2.4	8.0	99%	3,607	1.75	2,630	977	184,454		54,045		
Florida City Gardens	47	365	2.6	8.0	99%	492	1.75	321	161	30,312		8,881	161	
W. Homestead Gardens	8	365	1.8	8.0	99%	56	1.75	55	2	295		86		
Homestead East	31	365	1.8	8.0	99%	136	1.75	132	4	714		209		
Perrine Villas	21	365	2.7	8.0	99%	220	1.75	143	76	14,385		4,218		
Moody Gardens	43	365	2.2	8.0	99%	364	1.75	284	76	13,206		3,869		
Goulds Plaza	68	365	2.8	8.0	99%	638	1.75	396	242	45,743		13,403		
Grove Homes (Scattered Sites)	66	365	2.5	8.0	99%	644	1.75	451	193	36,486		10,690	193	
South Miami	199	365	3.2	8.0	80%	2,454	1.75	1,359	1,095	265,835	2,658			
Homeownership (010) (Scattered Sites)	7	365	2.5	8.0	60%	68	1.75	48	20	2,419		709	20	
Heritage Village II	84	365	2.3	8.0	99%	769	1.75	574	191	36,117		10,582	191	
Wayside	81	365	2.3	8.0	80%	711	1.75	553	158	36,941			158	
Florida City Family	102	365	2.6	8.0	99%	644	1.75	436	208	39,353		11,530	208	
Homestead Village	40	365	2.7	8.0	99%	417	1.75	271	147	27,729		8,124	147	
Perrine Gardens	505	365	2.2	8.0	100%	4,430	1.75	3,450	980	178,341		51,667		
Richmond Homes	111	366	2.4	8.0	99%	1,024	1.75	758	265	50,112		14,683	265	
FHA Scattered Homes (Scattered)	9	365	3.0	8.0	80%	106	1.75	61	44	10,262		3,007	44	
Naranja	450	365	2.7	8.0	99%	4,820	1.75	3,074	1,746	326,656		96,569		
Moody Village	216	365	2.7	8.0	99%	2,286	1.75	1,475	791	149,258		43,732	791	
Pine Island I	191	365	3.1	8.0	99%	1,734	1.75	979	755	142,542			755	
Pine Island II	171	365	2.5	8.0	99%	1,690	1.75	1,168	522	98,469			522	
Annie Mays Village	556	365	2.8	8.0	100%	6,007	1.75	3,798	2,208	412,818	4,274	20,975		
Southridge I	161	365	2.3	8.0	80%	1,635	1.75	1,237	399	93,162	932		399	
Southridge II	100	365	2.1	8.0	80%	907	1.75	683	124	28,884	289		124	
Total											34,459	1,741,798	10,159	
										Total Aerator and Showerhead Savings	41,115	2,077,855	14,841	

C) ECM-2 - Install Low-Flow Showerheads & Faucet Aerators Option C – Frozen Rolling Base (FRB) M&V Approach

Approach Summary:

ECM-2 FRB Savings are included in Appendix G-1.

Table G-5.2.E: ECM-2 Option C FRB M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option C	Natural Gas Electric Water & Sewer FRB	Monthly	**Utility Bill Analysis**	All applicable utility bills
		Every 5th Year	**Operation Verification** – Visual Inspection of Installed Equipment	Random sampling of each AMP's units selected using 80/10 confidence/precision level

The baseline and proposed water savings calculations were based on the current occupancy as specified in Table G.5.1.F. Refer to Appendix G-1 for utility bill analysis and visual inspection procedures.

G-5.3 Install Front-Loading Washers (ECM-3)

IPMVP Methodologies Employed: Option A and Option C

Option A methodology will apply to the master-metered electric, natural gas and water and sewer savings for ECM-3 included as part of the Additional Operating Savings (AOS) for the PHA developments listed in Table G-5A in accordance with Appendix G-2.

Option C methodology will apply to the master-metered electric, natural gas and water and sewer savings for ECM-3 included as part of the Frozen Rolling Base (FRB) Savings Incentive for the PHA developments listed in Table G-5A in accordance with Appendix G-1.

A) ECM-3 - Install Front-Loading Washers Option A – Additional Operating Subsidy (AOS) M&V Approach

Approach Summary:

ECM-3 AOS Savings are included in Appendix G-2.

Table G-5.3.A: ECM-3 Option A - AOS M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option A	Electric Natural Gas Water & Sewer AOS	Before (Baseline)	**Performance Parameter** – Gallons per load from manufacturer (calculated)	All New Washers
		Immediately After Installation (Post)	(Same as Baseline)	
		Annually	**Operation Verification** – Visual Inspection of Installed Equipment	
		Every 5th Year	**Performance Parameter** – Gallons per load from manufacturer (calculated)	

Formulae for Savings:

Laundry Water and Sewer Savings in CCFs = {[Baseline Washer Water Use in Gallons/Load] x [Total Number of Loads Per Year]} - {[Post Washer Water Use in Gallons/Load] x [Total Number of Loads Per Year]} ÷ [748 Gallons/CCF]

Domestic Hot Water Energy Savings in Therms = [*Laundry Water and Sewer Savings in CCF*] x [748 Gallons/CCF] x [8.33 lb/Gallon] x [1 Btu/lb °F] x [Temperature Rise of Water] ÷ [DHW % Efficiency] ÷ 100,000 btu/therm

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Input Values:

The existing and proposed washer gallons per load, number of loads, water heating efficiency, and average water temperature rise are specified in Table G.5.3.B and will be held fixed throughout the contract term, except as noted in the following Inspections & Baseline/Savings Adjustments Section.

Output Values:

The electric, natural gas and water and sewer AOS Savings will be in accordance with Table G.5.3.B, and held fixed throughout the contract term, unless otherwise adjusted as noted in the following Inspections & Baseline/Savings Adjustments Section.

Inspections & Baseline/Savings Adjustments:

Due to the difficulty and expense associated with measuring the Performance Parameter for this ECM, the gallons per load from the manufacturer will be agreed upon and held constant for the term of the contract. For each year of the contract term Ameresco will verify the operation (Operation Verification) of the equipment installed as part of ECM-3 by visually inspecting all washers installed under this project at the developments where the Option A - AOS M&V Approach is utilized to verify if the equipment is still installed and functioning as intended. The results of these inspections will be reported to PHA annually.

In addition to the baseline/savings adjustments noted in this section, all applicable baseline adjustments noted in Section G-5.15 Baseline Adjustments and/or Sections 8 and 10 of the ESA will apply to the ECM-3 Option A - AOS M&V Approach.

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Table G-5.3.B: Install Front-Loading Washers (ECM-3) - AOS Savings Calculations

Notes:

1. Thermal savings associated with front-loading washers at the sites listed below will be held constant throughout the contract term, unless otherwise adjusted per the M&V protocol.
2. Average existing top-loading washer flow rates in gallons-per-load (GPM) is based on nameplate data for existing equipment.
3. Loads per person per week figures based on an end-use analysis, factoring in toilet, laundry, and other water end-uses.
4. Water heater system efficiency is typical efficiency based on observed site conditions.

			Existing				Predicted				Savings		
Laundry Consumption	Sq. Ft. Occupants	Days Per Year	Laundry Use (Loads Per Person Week)	Machine Use (Gal/Wash)	Water Heating System Efficiency	Annual Water Use Attributable to Laundry (CCF)	New Laundry Consumption (Gal/Load)	Annual Water Use Attributable to Laundry (CCF)	Estimated Laundry Savings (CCF)	Thermal Savings to Average Temperature (Rise of 75°F) (MBTU)	Add-On Gas Savings (Therms)	Add-On Electric Savings (kWh)	Add-On Water Savings (CCF)
Lemon City	105	365	0.80	32	80%	184	16	93	91	4,935	49		
Emmer Turnkey	45	365	0.80	32	99%	79	16	40	39	1,709		501	
Kline Nunn	34	365	0.80	32	99%	60	16	30	29	1,291		378	
Little River Plaza	75	365	0.80	32	80%	131	16	67	65	3,525	35		
Palm Towers	100	365	0.80	32	99%	175	16	89	86	3,796		1,113	
Opa Locka Elderly	54	365	0.80	32	99%	95	16	48	47	2,051		601	
Palmetto Gardens	47	365	0.80	32	80%	82	16	42	41	2,209	22		41
Wynwood Elderly	74	365	0.80	32	80%	130	16	66	64	3,478	35		
Parkside I & II	58	365	0.80	32	80%	102	16	52	50	2,726	27		
Phyllis Whealley	38	365	0.80	32	80%	67	16	34	33	1,786	18		
Claude Pepper	179	365	0.80	32	99%	314	16	159	154	6,798		1,992	
Helen Sawyer Plaza, ALF	92	365	0.80	32	80%	161	16	82	79	4,324	43		
Donn Gardens	69	365	0.80	32	99%	121	16	61	59	2,620		768	
Abe Arronovitz	58	365	0.80	32	80%	102	16	52	50	2,726	27		
Falk Turnkey	49	365	0.80	32	99%	86	16	44	42	1,861		545	
Jose Marti Plaza	66	365	0.80	32	80%	116	16	59	57	3,102	31		
Joe Morelli	258	365	0.80	32	99%	452	16	230	222	9,798		2,871	
Harry Cain	156	365	0.80	32	80%	273	16	139	134	7,332	73		
Homestead Gardens	385	365	0.80	32	99%	674	16	343	332	14,622		4,284	
Florida City Gardens	47	365	0.80	32	99%	82	16	42	41	1,785		523	
W. Homestead Gardens	8	365	0.80	32	99%	14	16	7	7	304		89	7
Homestead East	31	365	0.80	32	99%	54	16	28	27	1,177		345	27
Moody Gardens	43	365	0.80	32	99%	75	16	38	37	1,633		478	
Total											361	14,488	74
										Total Front-loading Washer Savings	361	14,488	74

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B) ECM-3 - Install Front-Loading Washers Option C – Frozen Rolling Base (FRB) M&V Approach

Approach Summary:

ECM-3 FRB Savings are included in the total FRB Savings provided in Appendix G-1.

Table G-5.3.C: ECM-3 Option C FRB M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option C	W&S FRB	Monthly	**Utility Bill Analysis**	All applicable utility bills
		Every 5th Year	**Operation Verification** – Visual Inspection of Installed Equipment	All New Washers

Refer to Appendix G-1 for utility bill analysis and visual inspection procedures.

G-5.4 Upgrade Common Area Lighting (ECM-4)

IPMVP Methodology Employed: Option A and Option C

Option A methodology will apply to the master-metered electric savings for ECM-4 included as part of the Additional Operating Subsidy (AOS) Savings for the PHA developments listed in Table G-5A in accordance with Appendix G-2.

Option C methodology will apply to the master-metered electric savings for ECM-4 included as part of the Frozen Rolling Base (FRB) Savings Incentive for the PHA developments listed in Table G-5A in accordance with Appendix G-1.

A) ECM-4 - Upgrade Common Area Lighting Option A – Additional Operating Subsidy (AOS) M&V Approach

Approach Summary:

ECM-4 AOS Savings are included in Appendix G-2.

Table G-5.4.A: ECM-4 Option A - AOS M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option A	Electric AOS	Before (Baseline)	**Performance Parameter** – Lighting Fixture Wattage Measurements	Random sampling of each development's fixture types selected using 80/10 confidence/precision level
		Immediately After Installation (Post)	(Same as Baseline)	
		Annually	**Operation Verification** – Visual Inspection of Installed Equipment	
		Every 5th Year	**Performance Parameter** – Lighting Fixture Wattage Measurements	

Formulae for Savings:

Electric Energy Savings in kWh = {[Existing Fixture Watts] x [Quantity of Existing Fixtures] – [Proposed Fixture Watts] x [Quantity of Proposed Fixtures]} x [Hours of Operation] ÷ 1,000

Refer to Attachment 2 of the ESA for the detailed AOS savings calculations for the Upgrade Common Area Lighting ECM.

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Input Values:

The existing and proposed fixture quantities, wattages, and hours of operation are specified in the detailed lighting audit included in Attachment 2 of the ESA and will be held fixed throughout the contract term, except as noted in the following Inspections & Baseline/Savings Adjustments Section.

Output Values:

The electric savings will be in accordance with Attachment 2 of the ESA and held fixed throughout the contract term, unless otherwise adjusted as noted in the following Inspections & Baseline/Savings Adjustments Section.

Inspections & Baseline/Savings Adjustments:

For each year of the contract term Ameresco will verify the operation (Operation Verification) of the equipment installed as part of ECM-4 by visually inspecting a sample of fixture types at the developments where the Option A - AOS M&V Approach is utilized to verify if the equipment is still installed and functioning as intended. These visual inspections will be taken for a randomly selected quantity of fixture types as required to ensure an 80% confidence level and 10% precision level per AMP and the results of these inspections will be reported to the PHA annually.

Additionally, after the installation of ECM-4 and subsequently in years 6, 11, and 16 (every 5th year after post installation inspection), Ameresco will verify the Performance Parameter. For ECM-4 the Performance Parameter that will be measured will be fixture wattages. These measurements will be taken for a randomly selected quantity of fixture types as required to ensure an 80% confidence level and 10% precision level per development where the Option A - AOS M&V Approach is utilized. If the average variance between the measured Performance Parameter and the rated values presented in Attachment 2 of the ESA is greater than 10%, then the PHA will first adjust and/or repair as necessary the equipment to achieve a less than 10% average variance between measured and rated values. If, after such actions have been taken, the measured values still vary in excess of 10% from the rated values, then the savings estimates will be revised to reflect the average of the final measured values.

In addition to the baseline/savings adjustments noted in this section, all applicable baseline adjustments noted in Section G-5.15 Baseline Adjustments and/or Sections 8 and 10 of the ESA will apply to the ECM-4 Option A - AOS M&V Approach.

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B) ECM-4 - Upgrade Common Area Lighting Option C - FRB M&V Approach

Approach Summary:

ECM-4 FRB Savings are included in Appendix G-1.

Table G-5.4.B: ECM-4 Option C FRB M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option C	Electric FRB	Monthly	**Utility Bill Analysis**	All applicable utility bills
		Every 5th Year	**Operation Verification** – Visual Inspection of Installed Equipment	Random sampling of each developments fixture types selected using 80/10 confidence/precision level

Refer to Appendix G-1 for utility bill analysis and visual inspection procedures.

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G-5.5 Upgrade Apartment Lighting (ECM-5)

IPMVP Methodology Employed: Option A and Option C

Option A methodology will apply to the master-metered electric savings for ECM-5 included as part of the AOS Savings for the PHA developments listed in Table G-5A in accordance with Appendix G-2. Option A methodology will also apply to the tenant-paid electric savings for ECM-5 included as part of the Utility Allowance Savings (UAS) for the PHA developments listed in Table G-5B in accordance with Appendix G-3. Please see Appendix G-7 for the calculated electric tenant utility allowance adjustments that will result from this ECM.

Option C methodology will apply to the master-metered electric savings for ECM-5 included as part of the Frozen Rolling Base (FRB) Savings Incentive for the PHA developments listed in Table G-5A in accordance with Appendix G-1.

A) ECM-5 - Upgrade Apartment Lighting Option A - AOS M&V Approach

Approach Summary:

ECM-5 AOS Savings are included in Appendix G-2.

Table G-5.5.A: ECM-5 Option A - AOS M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option A	Electric AOS	Before (Baseline)	**Performance Parameter** – Lighting Fixture Wattage Measurements	Random sampling of each AMP's units selected using 80/10 confidence/precision level
		Immediately After Installation (Post)	(Same as Baseline)	
		Annually	**Operation Verification** – Visual Inspection of Installed Equipment	
		Every 5th Year	**Performance Parameter** – Lighting Fixture Wattage Measurements	

Formulae for Savings:

Electric Energy Savings in kWh = {[Existing Fixture Watts] x [Quantity of Existing Fixtures] – [Proposed Fixture Watts] x [Quantity of Proposed Fixtures]} x [Hours of Operation] ÷ [1,000 Watt / kW]

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Refer to Attachment 2 of the ESA for the detailed AOS savings calculations for the Upgrade Apartment Lighting ECM.

Input Values:

The existing and proposed fixture quantities, wattages, and hours of operation are specified in the detailed lighting audit included in Attachment 2 of the ESA and will be held fixed throughout the contract term, except as noted in the following Inspections & Baseline/Savings Adjustments Section.

Output Values:

The electric savings will be in accordance with Attachment 2 of the ESA and held fixed throughout the contract term, unless otherwise adjusted as noted in the following Inspections & Baseline/Savings Adjustments Section.

Inspections & Baseline/Savings Adjustments:

For each year of the contract term, Ameresco will verify the operation (Operation Verification) of the equipment installed as part of ECM-5 by visually inspecting a sample of units at the developments where the Option A - AOS M&V Approach is utilized to verify if the equipment is still installed and functioning as intended. These visual inspections will be taken for a randomly selected quantity of units as required to ensure an 80% confidence level and 10% precision level per AMP and the results of these inspections will be reported to the PHA annually.

Before and after the installation of ECM-5, then subsequently in years 6, 11, and 16 (every 5th year after post installation inspection) Ameresco will verify the Performance Parameter. For ECM-5 the Performance Parameter that will be measured will be fixture wattages. These measurements will be taken for a randomly selected quantity of units as required to ensure an 80% confidence level and 10% precision level per AMP where the Option A - AOS M&V Approach is utilized. If the average variance between the measured Performance Parameter and the rated values presented in Attachment 2 of the ESA is greater than 10%, then the PHA will first adjust and/or repair as necessary the equipment to achieve a less than 10% average variance between measured and rated values. If, after such actions have been taken, the measured values still vary in excess of 10% from the rated values, then the savings estimates will be revised to reflect the average of the final measured values.

In addition to the baseline/savings adjustments noted in this section, all applicable baseline adjustments noted in Section G-5.15 Baseline Adjustments and/or Sections 8 and 10 of the ESA will apply to the ECM-5 Option A - AOS M&V Approach.

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B) ECM-5 - Upgrade Apartment Lighting Option A – Utility Allowance Savings (UAS) M&V Approach

Approach Summary:

ECM-5 UAS Savings are included in Appendix G-3.

Table G-5.5.B: ECM-5 Option A - UAS M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option A	Electric UAS	Before (Baseline)	**Performance Parameter** – Lighting Fixture Wattage Measurements	Random sampling of each AMP's units selected using 80/10 confidence/precision level
		Immediately After Installation (Post)	(Same as Baseline)	
		Annually	**Operation Verification** – Visual Inspection of Installed Equipment	
		Every 5th Year	**Performance Parameter** – Lighting Fixture Wattage Measurements	

Formulae for Savings:

Electric Energy Savings in kWh = {[Existing Fixture Watts] x [Quantity of Existing Fixtures] – [Proposed Fixture Watts] x [Quantity of Proposed Fixtures]} x [Hours of Operation] ÷ [1,000 Watt / kW]

Refer to Attachment 2 of the ESA for the detailed UAS savings calculations for the Upgrade Apartment Lighting ECM.

Input Values:

The existing and proposed fixture quantities, wattages, and hours of operation are specified in the detailed lighting audit included in Attachment 2 of the ESA and will be held fixed throughout the contract term, except as noted in the following Inspections & Baseline/Savings Adjustments Section.

Output Values:

The electric savings will be in accordance with Attachment 2 of the ESA and held fixed throughout the contract term, unless otherwise adjusted as noted in the following Inspections & Baseline/Savings Adjustments Section.

Inspections & Baseline/Savings Adjustments:

For each year of the contract term Ameresco will verify the operation (Operation Verification) of the equipment installed as part of ECM-5 by visually inspecting a sample of units at the developments where the Option A - UAS M&V Approach is utilized to verify if the equipment is still installed and functioning as intended.

These visual inspections will be taken for a randomly selected quantity of units as required to ensure an 80% confidence level and 10% precision level per AMP and the results of these inspections will be reported to the PHA annually.

Before and after the installation of ECM-5, and then subsequently in years 6, 11, and 16 (every 5th year after post installation inspection), Ameresco will verify the Performance Parameter.

For ECM-5 the Performance Parameter that will be measured will be fixture wattages. These measurements will be taken for a randomly selected quantity of units as required to ensure an 80% confidence level and 10% precision level per AMP where the Option A - UAS M&V Approach is utilized. If the average variance between the measured Performance Parameter and the rated values presented in Attachment 2 of the ESA is greater than 10%, then the PHA will first adjust and/or repair as necessary the equipment to achieve a less than 10% average variance between measured and rated values.

If, after such actions have been taken, the measured values still vary in excess of 10% from the rated values, then the savings estimates will be revised to reflect the average of the final measured values.

In addition to the baseline/savings adjustments noted in this section, all applicable baseline adjustments noted in Section G-5.15 Baseline Adjustments and/or Sections 8 and 10 of the ESA will apply to the ECM-5 Option A - UAS M&V Approach.

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C) ECM-5 - Upgrade Apartment Lighting Option C - FRB M&V Approach

Approach Summary:

ECM-5 FRB Savings are included in Appendix G-1.

Table G-5.5.C: ECM-5 Option C FRB M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option C	Electric FRB	Monthly	**Utility Bill Analysis**	All applicable utility bills
		Every 5th Year	**Operation Verification** – Visual Inspection of Installed Equipment	Random sampling of each developments fixture types selected using 80/10 confidence/precision level

Refer to Appendix G-1 for utility bill analysis and visual inspection procedures.

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G-5.6 Install Vending Machine Controls (ECM-6)

IPMVP Methodology Employed: Option A and Option C

Option A methodology will apply to the master-metered electric savings for ECM-6 included as part of the Additional Operating Subsidy (AOS) Savings for the PHA developments listed in Table G-5A in accordance with Appendix G-2.

Option C methodology will apply to the master-metered electric savings for ECM-6 included as part of the Frozen Rolling Base (FRB) Savings Incentive for the PHA developments listed in Table G-5A in accordance with Appendix G-1.

A) ECM-6 - Install Vending Machine Controls Option A - AOS M&V Approach

Approach Summary:

ECM-6 AOS Savings are included in Appendix G-3.

Table G-5.6.A: ECM-6 Option A - AOS M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option A	Electric AOS	Before (Baseline)	**Performance Parameter** – Electric Usage (calculated)	Random sampling of controls selected using 80/10 confidence/precision level
		Immediately After Installation (Post)	(Same as Baseline)	
		Annually	**Operation Verification** – Visual Inspection of Installed Equipment	
		Every 5th Year	**Performance Parameter** – Electric Usage (calculated)	

Formulae for Savings:

Electric Energy Savings in kWh = [# of Existing Units] x [Average Unit Watts] x [Existing Operating Hours – Post-retrofit Operating Hours] ÷ [1,000 Watt / kW]

Input Values:

The existing and proposed vending machine control quantities, vending machine wattages, and hours of operation are specified in Table G.5.6.B and will be held fixed throughout the contract term, except as noted in the following Inspections & Baseline/Savings Adjustments Section.

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Output Values:

The electric savings will be in accordance with Table G.5.6.B, and held fixed throughout the contract term, unless otherwise adjusted as noted in the following Inspections & Baseline/Savings Adjustments Section.

Inspections & Baseline/Savings Adjustments:

Due to the expense with measuring the Performance Parameter and the relatively small level of savings, the calculated pre and post-electric consumption will be agreed upon and held constant for the term of the project.

For each year of the contract term Ameresco will verify the operation (Operation Verification) of the equipment installed as part of ECM-6 by visually inspecting a sample of controls at the developments where the Option A - AOS M&V Approach is utilized to verify if the equipment is still installed and functioning as intended. These visual inspections will be taken for a randomly selected quantity of units as required to ensure an 80% confidence level and 10% precision level across the entire quantity of installed controls and the results of these inspections will be reported to PHA annually.

In addition to the baseline/savings adjustments noted in this section, all applicable baseline adjustments noted in Section G-5.15 Baseline Adjustments and/or Sections 8 and 10 of the ESA will apply to the ECM-6 Option A - AOS M&V Approach.

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Table G-5.6.B: Install Vending Machine Controls (ECM-6) - AOS Savings Calculations

NOTES:

1. Electric savings associated with vending machines at the sites listed below will be held constant throughout the contract term, unless otherwise adjusted per the M&V protocol.
2. Existing operating hours per week based on current vending machine operation of 24/7. Facility occupied hours per week based on occupancy disturbing occupancy sensors that will be installed on vending machines.

S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
Development	Machine Location Type	Quantity Machines	kWh per Machine	Baseline Operating Hours	Baseline kWh per Machine	Baseline kWh	Project Hours	Proposed kWh	Proposed kWh per Machine	Proposed kWh	kWh Savings
Liberty Square (2)	B-P	1	400	8,760	3,504	3,504	2,912	6,576	2,630	2,630	874
Liberty Square (2)	B-O	0	400	8,760	3,504	0	6,136	4,158	1,663	0	0
Liberty Square (2)	S-P	0	85	8,760	745	0	2,912	6,576	559	0	0
Liberty Square (2)	S-O	0	85	8,760	745	0	6,136	4,158	353	0	0
Total		1		35,040		3,504	18,096	21,468		2,630	874
Falk Turnkey	B-P	1	400	8,760	3,504	3,504	2,912	6,576	2,630	2,630	874
Falk Turnkey	B-O	0	400	8,760	3,504	0	6,136	4,158	1,663	0	0
Falk Turnkey	S-P	1	85	8,760	745	745	2,912	6,576	559	559	186
Falk Turnkey	S-O	0	85	8,760	745	0	6,136	4,158	353	0	0
Total		2		35,040		4,249	18,096	21,468		3,189	1,059
									Total Vending Machine Controls Savings		1,933

Assumptions

A1	Equipment list provided by site personnel or field verified by Ameresco.	
A2	Average power consumption of beverage machine *Based on manufacturer data and case studies.* *When the compressor is on, machine draws between 500 and 600 Watts.* *When the compressor is off, machine draws betwn 250 and 350 Watts.*	400 W
A3	Average power consumption of snack machine *Based on manufacturer data and case studies.*	85 W
A4	Baseline operating hours	8760 hr/yr
A5	Towers generally occupied from 7 AM to 11 PM daily and offices 7 AM until 5 PM on week days	
A6	Percent of time machine will operate during unoccupied hours	25%

Savings Calculation Column Explanations:

S1	See Assumption A1.
S2	See Assumption A1.
S3	See Assumption A1.
S4	See Assumptions A2 and A3.
S5	See Assumption A4.
S6	S6 = S4 X S5 / 1,000
S7	S7=S6*S3
S8	See Assumption A5.
S9	S9 = S5 - (1-A6) X S8
S10	S10 = S9*S4/1000
S11	S11=S10*S3
S12	S12=S7-S11

Machine -Location Type Code

B-O	Beverage machine with occupancy hours similar to an office
B-P	Beverage machine with possible round the clock occupancy hours
S-O	Snack machine with occupancy hours similar to an office
S-P	Snack machine with possible round the clock occupancy hours

B) ECM-6 - Install Vending Machine Controls Option C – Frozen Rolling Base (FRB) M&V Approach

Approach Summary:

ECM-6 FRB Savings are included in Appendix G-1.

Table G-5.6.C: ECM-6 Option C FRB M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option C	Electric FRB	Monthly	**Utility Bill Analysis**	All applicable utility bills
		Every 5th Year	**Operation Verification** – Visual Inspection of Installed Equipment	Random sampling of each developments fixture types selected using 80/10 confidence/precision level

Refer to Appendix G-1 for utility bill analysis and visual inspection procedures.

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G-5.7 Install Energy Management System (ECM-7)

IPMVP Methodologies Employed: Option C

Option C methodology will apply to the master-metered electric savings for ECM-7 included as part of the Frozen Rolling Base (FRB) Savings Incentive for the PHA developments listed in Table G-5A in accordance with Appendix G-1.

ECM-7 Option C - FRB M&V Approach

Approach Summary:

ECM-7 FRB Savings are included in Appendix G-1.

Table G-5.7.A: ECM-7 Option C FRB M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option C	NG FRB	Monthly	**Utility Bill Analysis**	All applicable utility bills
		Every 5th Year	**Operation Verification** – Visual Inspection of Installed Equipment	All newly install controls

Refer to Appendix G-1 for utility bill analysis and visual inspection procedures.

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G-5.9 Install Water Cooled Heat Pumps (ECM-9)

IPMVP Methodologies Employed: Option C

Option C methodology will apply to the master-metered water and sewer and electric savings for ECM-9 included as part of the Frozen Rolling Base (FRB) Savings Incentive for the PHA developments listed in Table G-5A in accordance with Appendix G-1.

ECM-9 - Install Water Cooled Heat Pumps Option C - FRB M&V Approach

Approach Summary:

ECM-9 FRB Savings are included in Appendix G-1.

Table G-5.9.A: ECM-7 Option C FRB M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option C	W&S Electric FRB	Monthly	**Utility Bill Analysis**	All applicable utility bills
		Every 5th Year	**Operation Verification** – Visual Inspection of Installed Equipment	Random sampling of each developments new units selected using 80/10 confidence/precision level

Refer to Appendix G-1 for utility bill analysis and visual inspection procedures.

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G-5.10 Install Variable Volume HVAC Systems (ECM-10)

IPMVP Methodologies Employed: Option C

Option C methodology will apply to the master-metered electric savings for ECM-10 included as part of the Frozen Rolling Base (FRB) Savings Incentive for the PHA developments listed in Table G-5.10.A in accordance with Appendix G-1.

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A) ECM-10-Variable Volume HVAC Option C – Frozen Rolling Base (FRB) M&V Approach

Approach Summary:

ECM-10 FRB Savings are included in Appendix G-1.

Table G-5.10.C: ECM-10 Option C FRB M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option C	Electric FRB	Monthly	**Utility Bill Analysis**	All applicable utility bills
		Every 5th Year	**Operation Verification** – Visual Inspection of Installed Equipment	Random sampling of each developments new units selected using 80/10 confidence/precision level

Refer to Appendix G-1 for utility bill analysis and visual inspection procedures.

G-5.11 Replace Windows (ECM-11)

IPMVP Methodologies Employed: Option A and Option C

Option A methodology will apply to the master-metered electric savings for ECM-11 included as part of the Additional Operating Subsidy (AOS) Savings for the PHA developments listed in Table G-5.11.A in accordance with Appendix G-2.

Option C methodology will apply to the master-metered electric savings for ECM-11 included as part of the Frozen Rolling Base (FRB) Savings Incentive for the PHA developments listed in Table G-5.11.A in accordance with Appendix G-1.

A) ECM-11 - Replace Windows Option A - AOS M&V Approach

Approach Summary:

ECM-11 AOS Savings are included in Appendix G-1.

Table G-5.11.A: ECM-11 Option A - AOS M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option A	Electrics AOS	Before (Baseline)	**Performance Parameter** – Window U-values and Shading Coefficient values (calculated)	None
		Immediately After Installation (Post)	(Same as Baseline)	
		Annually	**Operation Verification** – None	
		Every 5th Year	**Performance Parameter** – Window U-values and Shading Coefficient values (calculated)	

Formulae for Savings:

To calculate energy cost savings for this measure, first a calibrated building simulation model was created using Trane Trace™ 700 software. Once the initial model is created, the energy usage and demand projected by the model are compared to the metered building utility data. The inputs are refined so that the building simulation model is calibrated to the utility data.

Once the baseline model is calibrated to the building utility data, the proposed energy conservation measures are applied to the model as separate runs. The simulations model allows the interactive effects of the energy conservation measures on building conditions

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to be accounted for when determining the post-installation energy consumption. For this measure, the energy saving strategy implemented is: *replacement of the exterior windows.*

Energy savings for each measure are calculated by subtracting energy consumption between two consecutive runs in the building simulation model. Total savings can be calculated by subtracting energy consumption projected by the post-installation model, with all energy conservation measures included, from energy consumption projected by the baseline model. The sum of energy savings for each measure, determined by subtracting the energy consumption between consecutive runs, would equal the total difference in consumption between the post-installation model and the baseline model.

Input Values:

The existing and proposed heating, ventilating and air conditioning (HVAC) loads are specified in the Trane Trace™ 700 software model and will be held fixed throughout the contract term, except as noted in the following Inspections & Baseline/Savings Adjustments Section. The Trace 700 program uses an internally loaded average hourly weather data for each day of the month for a specific location; this information originates from NOAA and ASHRAE historical weather data. The model was run with the Miami weather data. Input values are presented in table G-5.11.B (Base Model Assumptions).

Output Values:

The electric AOS Savings will be in accordance with Table G.5.11.C.1 (Monthly Energy Consumption) and Table G-511.C.2 (Savings Summary), and will be held fixed throughout the contract term, unless otherwise adjusted as noted in the following Inspections & Baseline/Savings Adjustments Section.

Inspections & Baseline/Savings Adjustments:

Due to the difficulty and expense associated with measuring the Performance Parameter for this ECM, the window U-values and shading coefficients will be agreed upon and held constant for the term of the contract. No ongoing operational inspections will be completed for the term of the project since the new windows will be permanently installed.

In addition to the baseline/savings adjustments noted in this section, all applicable baseline adjustments noted in Section G-5.15 Baseline Adjustments and/or Sections 8 and 10 of the ESA will apply to the ECM-11 Option A - AOS M&V Approach.

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Table G-5.11.B: Replace Windows (ECM-11) - AOS Savings Input Parameters (Base Model Assumptions)

- Lemon City
- Palm Court
- Edison Plaza (Elderly)
- Halen Sawyer Plaza ALF

Lemon City - Model Assumptions

BASELINE ASSUMPTIONS:

- A baseline cooling load was first established using Trane Trace™ 700, a building simulation software program. A typical unit with four different orientations was used to develop the model. Weather data for Miami, FL was used to determine the building's cooling load. Other factors that Trace™ 700 uses to determine the building's cooling load are heat gain from occupants, lights, and equipment; occupancy, lighting, and equipment schedules; and building geometry, construction, and orientation. The following is a list of major inputs into the Trace™ 700 model:

1. Total space area = 18 ft by 22 ft area (per apartment).
2. Building is oriented true north.
3. Set points
   - Occupied cooling set point = 73°F
   - Occupied heating set point = 70°F
4. U-values
   - Wall U-value = 0.2 Btu/hr-°F-ft^2
   - Glass U-value = 1 Btu/hr-°F-ft^2
   - Glass SC-value (as is) = 0.95
   - Partially open internal shades: Overall summer U-value (as is) = 0.8 Btu/hr-°F-ft^2
   - Partially open internal shades: Overall SC-value (as is) = 0.7 Btu/hr-°F-ft^2
   - Roof U-value = 0.0681 Btu/hr-°F-ft^2
5. Exterior overhang
   - None for North, East and West windows
   - Six feet overhang for South windows
6. Internal Loads
   - Occupant density = 200 ft^2/person
     Latent heat gain from occupants = 205 Btuh/person
     Sensible heat gain from occupants = 245 Btuh/person
   - Density of work stations = 1 per person
   - Heat gain from recessed fluorescent lighting = 1 W/ ft2
   - Heat gain from miscellaneous equipment = 0.5 W/ ft^2
7. Ventilation
   - Infiltration airflow rate = 0.6 air changes per hour.

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- Ventilation flow = 0.6 air changes per hour

8. Schedules for
   - Occupancy: Schedule "People – for MDPH" (12a to 8a) 100%, (8a to 9a) 70%, (9a to 4p) 88%, (4p to 5p) 88%, (5p to 7p) 95%, (7p to 12a) 100%.
   - Lighting: Schedule "Lights – for MDPH" (12a to 6a) 11%, (6a to 9a) 88%, (9a to 11a) 66%, (11a to 5p) 55%, (5p to 8p) 66%, (8p to 11p) 100%, (11p to 12a) 11%.
   - Miscellaneous equipment: Schedule "Misc – for MDPH" (12a to 9a) 50%, (9a to 10a) 100%, (10a to 4p) 60%, (4p to 5p) 100%, (5p to 12a) 70%.

- Cooling/Heating Equipment

  Each individual apartment has a dedicated PTAC unit. The fan is assumed to be constant volume cycling with the load. Average efficiency for the unit is estimated at 1.1 kW/ton. Heating is provided by a central heating hot water system with an estimated percent efficiency of 83.3.

LIGHTING ADJUSTMENTS FOR SAVINGS:

- Heat gain from recessed fluorescent lighting = 0.8 W/ ft^2

NEW WINDOWS ADJUSTMENTS FOR SAVINGS:

1. Ventilation (new windows)
   - Infiltration airflow rate = 0.3 air changes per hour (Trace 700: Neutral, Tight Construction)
   - Ventilation flow = 0.3 air changes per hour
2. Impact Window Tinted (ALL)
   - Glass U-value = 0.86 Btu/hr-°F-ft2
   - Glass SC-value = 0.45
   - Partially open internal shades: Overall summer U-value = 0.75 Btu/hr-°F-ft2
   - Partially open internal shades: Overall SC-value = 0.35 Btu/hr-°F-ft^2

Palm Court - Model Assumptions

BASELINE ASSUMPTIONS:

- A baseline cooling load was first established using Trane Trace™ 700, a building simulation software program. A typical unit with four different orientations was used to develop the model. Weather data for Miami, FL was used to determine the building's cooling load. Other factors that Trace™ 700 uses to determine the building's cooling load are heat gain from occupants, lights, and equipment; occupancy, lighting, and equipment schedules; and building geometry, construction, and orientation. The following is a list of major inputs into the Trace™ 700 model:

  1.Total space area = 18 ft by 22 ft area (per apartment).

2.Building is oriented true north.

3.Set points
- Occupied cooling set point = 73°F
- Occupied heating set point = 70°F

4.U-values
- Wall U-value = 0.3 Btu/hr-°F-ft^2
- Glass U-value = 1 Btu/hr-°F-ft^2
- Glass SC-value (as is) = 0.95
- Partially open internal shades: Overall summer U-value (as is) = 0.8 Btu/hr-°F-ft^2
- Partially open internal shades: Overall SC-value (as is) = 0.7 Btu/hr-°F-ft^2
- Roof U-value = 0.0681 Btu/hr-°F-ft^2

5.Exterior overhang
- None for North, East and South windows
- Six feet for West windows

6.Internal Loads
- Occupant density = 200 ft^2/person
  Latent heat gain from occupants = 205 Btuh/person
  Sensible heat gain from occupants = 245 Btuh/person
- Density of work stations = 1 per person
- Heat gain from recessed fluorescent lighting = 0.9 W/ ft2
- Heat gain from miscellaneous equipment = 0.4 W/ ft^2

7.Ventilation
- Infiltration airflow rate = 0.6 air changes per hour.
- Ventilation flow = 0.6 air changes per hour

8.Schedules for
- Occupancy: Schedule "People – for MDPH" (12a to 8a) 100%, (8a to 9a) 70%, (9a to 4p) 88%, (4p to 5p) 88%, (5p to 7p) 95%, (7p to 12a) 100%.
- Lighting: Schedule "Lights – for MDPH" (12a to 6a) 11%, (6a to 9a) 88%, (9a to 11a) 66%, (11a to 5p) 55%, (5p to 8p) 66%, (8p to 11p) 100%, (11p to 12a) 11%.
- Miscellaneous equipment: Schedule "Misc – for MDPH" (12a to 9a) 50%, (9a to 10a) 100%, (10a to 4p) 60%, (4p to 5p) 100%, (5p to 12a) 70%.

- Cooling/Heating Equipment

  Each individual apartment has a dedicated PTAC unit. The fan is assumed to be constant volume cycling with the load. Average efficiency for the unit is estimated at 1.1 kW/ton. Heating is provided by a central heating hot water system with an estimated percent efficiency of 83.3.

LIGHTING ADJUSTMENTS FOR SAVINGS:

- Heat gain from recessed fluorescent lighting = 0.7 W/ ft^2

NEW WINDOWS ADJUSTMENTS FOR SAVINGS:

1. Ventilation (new windows)
   - Infiltration airflow rate = 0.4 air changes per hour (Trace 700: Neutral, Tight Construction). Use 0.4 because the smaller fixed window will not be replaced.
   - Ventilation flow = 0.4 air changes per hour
2. Impact Window Tinted (ALL)
   - Glass U-value = 0.86 Btu/hr-°F-ft^2
   - Glass SC-value = 0.45
   - Partially open internal shades: Overall summer U-value = 0.75 Btu/hr-°F-ft^2
   - Partially open internal shades: Overall SC-value = 0.35 Btu/hr-°F-ft^2

Edison Plaza Elderly - Model Assumptions

BASELINE ASSUMPTIONS:

- A baseline cooling load was first established using Trane Trace™ 700, a building simulation software program. A typical unit with four different orientations was used to develop the model. Weather data for Miami, FL was used to determine the building's cooling load. Other factors that Trace™ 700 uses to determine the building's cooling load are heat gain from occupants, lights, and equipment; occupancy, lighting, and equipment schedules; and building geometry, construction, and orientation. The following is a list of major inputs into the Trace™ 700 model:

1. Total space area = 18 ft by 22 ft area (per apartment).
2. Building is oriented true north.
3. Set points
   - Occupied cooling set point = 73°F
   - Occupied heating set point = 70°F
4. U-values
   - Wall U-value = 0.3 Btu/hr-°F-ft^2
   - Glass U-value = 1 Btu/hr-°F-ft^2
   - Glass SC-value (as is) = 0.95
   - Partially open internal shades: Overall summer U-value (as is) = 0.8 Btu/hr-°F-ft^2
   - Partially open internal shades: Overall SC-value (as is) = 0.7 Btu/hr-°F-ft^2
   - Roof U-value = 0.0681 Btu/hr-°F-ft^2
5. Exterior overhang
   - None for North, East and South windows
   - Six feet for West windows
6. Internal Loads
   - Occupant density = 200 ft^2/person
     Latent heat gain from occupants = 205 Btuh/person
     Sensible heat gain from occupants = 245 Btuh/person
   - Density of work stations = 1 per person
   - Heat gain from recessed fluorescent lighting = 1.2 W/ ft2
   - Heat gain from miscellaneous equipment = 0.8 W/ ft^2
7. Ventilation

- Infiltration airflow rate = 0.6 air changes per hour.
- Ventilation flow = 0.6 air changes per hour.

8. Schedules for
   - Occupancy: Schedule "People – for MDPH" (12a to 8a) 100%, (8a to 9a) 70%, (9a to 4p) 88%, (4p to 5p) 88%, (5p to 7p) 95%, (7p to 12a) 100%.
   - Lighting: Schedule "Lights – changed for MDPH" (12a to 6a) 11%, (6a to 9a) 88%, (9a to 11a) 66%, (11a to 5p) 55%, (5p to 8p) 66%, (8p to 11p) 100%, (11p to 12a) 11%.
   - Miscellaneous equipment: Schedule "Misc – for MDPH" (12a to 9a) 50%, (9a to 10a) 100%, (10a to 4p) 60%, (4p to 5p) 100%, (5p to 12a) 70%.

- Cooling/Heating Equipment

  Each individual apartment has a dedicated PTAC unit. The fan is assumed to be constant volume cycling with the load. Average efficiency for the unit is estimated at 1.1 kW/ton. Heating is provided by a central heating hot water system with an estimated percent efficiency of 83.3.

LIGHTING ADJUSTMENTS FOR SAVINGS:

- Heat gain from recessed fluorescent lighting = 0.7 W/ ft^2

NEW WINDOWS ADJUSTMENTS FOR SAVINGS:

1. Ventilation (new windows)
   - Infiltration airflow rate = 0.4 air changes per hour (Trace 700: Neutral, Tight Construction). Use 0.4 because the smaller fixed window will not be replaced.
   - Ventilation flow = 0.4 air changes per hour
2. Impact Window Tinted (ALL)
   - Glass U-value = 0.86 Btu/hr-°F-ft^2
   - Glass SC-value = 0.45
   - Partially open internal shades: Overall summer U-value = 0.75 Btu/hr-°F-ft^2
   - Partially open internal shades: Overall SC-value = 0.35 Btu/hr-°F-ft^2

Helen Sawyer ALF - Model Assumptions

BASELINE ASSUMPTIONS:

- A baseline cooling load was first established using Trane Trace™ 700, a building simulation software program. A typical unit with four different orientations was used to develop the model. Weather data for Miami, FL was used to determine the building's cooling load. Other factors that Trace™ 700 uses to determine the building's cooling load are heat gain from occupants, lights, and equipment; occupancy, lighting, and equipment schedules; and building

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geometry, construction, and orientation. The following is a list of major inputs into the Trace™ 700 model:

1. Total space area modeled (three typical apartments by orientation)
   - North facing apartments 756 ft by 22 ft
   - South facing apartments 756 ft by 22 ft
   - West facing apartments 378 ft by 22 ft
2. Building is oriented true north.
3. Set points
   - Occupied cooling set point = 73°F
   - Occupied heating set point = 70°F
4. U-values
   - Wall U-value = 0.2 Btu/hr-°F-ft2
   - Glass U-value = 1 Btu/hr-°F-ft2
   - Glass SC-value (as is) = 0.7 (existing windows are tinted)
   - Partially open internal shades: Overall summer U-value (as is) = 0.8 Btu/hr-°F-ft2
   - Partially open internal shades: Overall SC-value (as is) = 0.7 Btu/hr-°F-ft2
   - Roof U-value = 0.0681 Btu/hr-°F-ft^2
5. Exterior overhang
   - Six feet overhang for all windows
6. Internal Loads
   - Occupant density = 200 ft2/person
   - Latent heat gain from occupants = 205 Btuh/person
   - Sensible heat gain from occupants = 245 Btuh/person
   - Density of work stations = 1 per person
   - Heat gain from recessed fluorescent lighting = 1 W/ ft2
   - Heat gain from miscellaneous equipment = 1 W/ ft^2
7. Ventilation
   - Infiltration airflow rate = 0.6 air changes per hour.
   - Ventilation flow = 0.6 air changes per hour.
8. Schedules for
   - Occupancy: Schedule "People – for MDPH" (12a to 8a) 100%, (8a to 9a) 70%, (9a to 4p) 88%, (4p to 5p) 88%, (5p to 7p) 95%, (7p to 12a) 100%.
   - Lighting: Schedule "Lights – for MDPH" (12a to 6a) 11%, (6a to 9a) 88%, (9a to 11a) 66%, (11a to 5p) 55%, (5p to 8p) 66%, (8p to 11p) 100%, (11p to 12a) 11%.
   - Miscellaneous equipment: Schedule "Misc – for MDPH" (12a to 9a) 50%, (9a to 10a) 100%, (10a to 4p) 60%, (4p to 5p) 100%, (5p to 12a) 70%.

- Cooling/Heating Equipment

Each individual apartment has a dedicated PTAC unit. The fan is assumed to be constant volume cycling with the load. Average efficiency for the unit is estimated at 1.1 kW/ton. Heating is provided by a central heating hot water system with an estimated percent efficiency of 83.3.

LIGHTING ADJUSTMENTS FOR SAVINGS:

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- Heat gain from recessed fluorescent lighting = 0.8 W/ ft^2

NEW WINDOWS ADJUSTMENTS FOR SAVINGS:

1. Ventilation (new balcony sliding door windows)
   - Infiltration airflow rate = 0.4 air changes per hour (Trace 700: Neutral, Tight Construction for new sliding doors and Neutral, Average Const. for remaining existing window)
   - Ventilation flow = 0.4 air changes per hour
2. Impact Window Tinted (ALL)
   - Glass U-value = 0.8 Btu/hr-°F-ft^2 (double pane glass, none impact)
   - Glass SC-value = 0.45
   - Partially open internal shades: Overall summer U-value = 0.7 Btu/hr-°F-ft^2
   - Partially open internal shades: Overall SC-value = 0.35 Btu/hr-°F-ft^2

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Table G-5.11.C.1: Replace Windows (ECM-11) - AOS Savings Output Parameters (Monthly Energy Consumption)

MONTHLY ENERGY CONSUMPTION

By Ameresco

Monthly Energy Consumption

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 1 Lemon City - Units for Window R													
Electric													
On-Pk Cons. (kWh)	35,301	32,122	47,793	51,364	65,890	61,406	68,232	68,778	63,501	55,178	46,264	42,464	627,323
On-Pk Demand (kW)	88	87	136	135	139	134	138	140	135	118	106	87	140

Energy Consumption		Environmental Impact Analysis	
Building	54,067 Btu/(ft2-year)	CO2	8,151,796 lbm/year
Source	162,217 Btu/(ft2-year)	SO2	25,967 gm/year
		NOX	14,685 gm/year
Floor Area	39,600 ft2		

Alternative: 2 Lighting													
Electric													
On-Pk Cons. (kWh)	31,950	28,258	43,382	47,665	61,512	57,158	63,798	64,379	59,303	48,760	42,346	36,123	575,646
On-Pk Demand (kW)	78	81	133	129	134	129	132	134	125	112	101	81	134

Energy Consumption		Environmental Impact Analysis	
Building	49,613 Btu/(ft2-year)	CO2	8,987,947 lbm/year
Source	145,555 Btu/(ft2-year)	SO2	28,626 gm/year
		NOX	13,475 gm/year
Floor Area	39,600 ft2		

Project Name: Miami-Dade Public Housing MDPH
Data set Name: LEMONC-WNW.TRC

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MONTHLY ENERGY CONSUMPTION

By Ameresco

---- Monthly Energy Consumption ----

Utility		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 3	**New Windows**													
Electric														
On-Pk Cons.	(kWh)	30,501	27,025	41,765	45,226	49,457	55,025	61,692	62,457	57,752	47,524	41,842	37,167	557,013
On-Pk Demand	(kW)	78	75	95	107	105	125	125	126	123	105	96	87	126

Energy Consumption		
Building	48,007	Btu/(ft2-year)
Source	144,035	Btu/(ft2-year)
Floor Area	39,500	ft2

Environmental Impact Analysis	
CO2	8,125,059 lbm/year
SO2	23,037 gm/year
NOX	13,099 gm/year

Project Name: Miami-Dade Public Housing MDPH
Dataset Name: LEMONC-WNW.TRC

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MONTHLY ENERGY CONSUMPTION

By Ameresco

------ Monthly Energy Consumption ------

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 1	Palm Court - Units for Window R												
Electric													
On-Pk Cons. (kWh)	29,010	25,724	40,406	43,593	47,576	52,974	59,315	60,182	55,859	45,551	39,167	35,123	534,285
On-Pk Demand (kW)	69	67	90	95	103	114	116	117	116	89	90	76	117

Energy Consumption			Environmental Impact Analysis	
Building	52,526	Btu/(ft2-year)	CO2	6,858,960 lbm/year
Source	156,894	Btu/(ft2-year)	SO2	19,462 gm/year
			NOX	11,006 gm/year
Floor Area	34,848	ft2		

Alternative: 2	Lighting												
Electric													
On-Pk Cons. (kWh)	25,239	22,378	35,534	38,567	43,733	48,243	55,445	56,317	51,807	41,586	35,444	31,285	459,123
On-Pk Demand (kW)	65	62	83	92	97	107	109	110	110	93	84	73	110

Energy Consumption			Environmental Impact Analysis	
Building	47,905	Btu/(ft2-year)	CO2	6,279,371 lbm/year
Source	143,728	Btu/(ft2-year)	SO2	17,817 gm/year
			NOX	10,078 gm/year
Floor Area	34,848	ft2		

Project Name: Miami-Dade Public Housing MDPH
Dataset Name: PALM-C-WNEW.TRC

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MONTHLY ENERGY CONSUMPTION

By Ameresco

Monthly Energy Consumption

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 3 New Windows - Palm Court													
Electric													
On-Pk Cons. (kWh)	23,349	20,415	34,315	37,675	41,554	47,256	53,313	54,300	49,917	39,674	33,859	29,529	464,551
On-Pk Demand (kW)	61	59	75	85	93	103	105	109	104	88	80	77	109

Energy Consumption		Environmental Impact Analysis	
Building	45,531 Btu/(ft2-year)	CO2	5,566,274 lbm/year
Source	126,607 Btu/(ft2-year)	SO2	16,934 gm/year
		NOX	9,577 gm/year
Floor Area	34,948 ft2		

Project Name: Miami-Dade Public Housing MDPH
Dataset Name: PALM-C-WNW.TRC

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MONTHLY ENERGY CONSUMPTION

By Ameresco

Monthly Energy Consumption

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 1 Edison Plaza Elderly													
Electric													
On-Pk Cons. (kWh)	36,174	32,268	45,382	46,254	51,855	54,952	60,957	61,991	57,800	42,929	43,178	40,662	568,842
On-Pk Demand (kW)	76	79	104	112	112	121	127	132	128	109	94	85	132

Energy Consumption		Environmental Impact Analysis	
Building	65,556 Btu/(ft2-year)	CO2	3,470,826 lbm/year
Source	156,655 Btu/(ft2-year)	SO2	15,360 gm/year
		NOX	10,382 gm/year
Floor Area	30,240 ft2		

Alternative: 2 Lights													
Electric													
On-Pk Cons. (kWh)	32,907	29,340	42,975	45,098	48,230	51,714	57,496	58,236	53,747	45,587	39,953	37,372	541,693
On-Pk Demand (kW)	71	75	99	108	108	118	123	127	123	104	90	80	127

Energy Consumption		Environmental Impact Analysis	
Building	51,136 Btu/(ft2-year)	CO2	6,094,667 lbm/year
Source	133,431 Btu/(ft2-year)	SO2	17,123 gm/year
		NOX	9,653 gm/year
Floor Area	30,240 ft2		

Project Name: Miami-Dade Public Housing MDPH
Dataset Name: EDISON-WNW.TRC

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MONTHLY ENERGY CONSUMPTION

By Ameresco

Monthly Energy Consumption

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 3 New Windows													
Electric													
On-Pk Cons. (kWh)	32,159	29,448	40,700	43,391	46,508	50,304	55,509	56,551	52,439	44,651	39,812	36,796	527,240
On-Pk Demand (kW)	68	70	89	93	99	109	114	117	113	97	85	77	117

Energy Consumption		
Building	58,564	Btu/(ft2-year)
Source	178,537	Btu/(ft2-year)
Floor Area	20,240	ft2

Environmental Impact Analysis	
CO2	5,873,682 lbm/year
SO2	16,666 gm/year
NOX	9,425 gm/year

Project Name: Miami-Dade Public Housing MDPH
Dataset Name: EDISON-WNW.TRC

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MONTHLY ENERGY CONSUMPTION

By Ameresco

—— Monthly Energy Consumption ——

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 1 Helen Sawyer ALF - Units for Window R													
Electric													
On-Pk Cons. (kWh)	51,223	43,844	55,864	62,939	67,527	72,614	80,171	80,527	76,576	66,736	60,969	55,345	792,337
On-Pk Demand (kW)	113	105	120	126	132	146	151	154	149	136	131	125	154

Energy Consumption		Environmental Impact Analysis	
Building	64,052 Btu/(ft2-year)	CO2	11,953,283 lbm/year
Source	192,176 Btu/(ft2-year)	SO2	38,515 gm/year
		NOX	15,180 gm/year
Floor Area	41,580 ft2		

Alternative: 2 Lights													
Electric													
On-Pk Cons. (kWh)	46,572	38,772	55,248	58,456	62,907	68,148	75,483	75,846	71,006	62,100	56,523	53,753	725,926
On-Pk Demand (kW)	107	98	114	120	125	140	145	148	142	129	125	119	148

Energy Consumption		Environmental Impact Analysis	
Building	59,586 Btu/(ft2-year)	CO2	11,119,904 lbm/year
Source	178,776 Btu/(ft2-year)	SO2	31,552 gm/year
		NOX	37,848 gm/year
Floor Area	41,580 ft2		

Project Name: Miami-Dade Public Housubg MDPH
Dataset Name: HELEN-S-ALF.TRC

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MONTHLY ENERGY CONSUMPTION

By Ameresco

Monthly Energy Consumption

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Alternative: 3	**New sliding door windows - no impact**												
Electric													
On-Pk Cons. (kWh)	46,956	40,622	53,939	55,945	59,645	62,074	62,112	59,524	65,513	59,923	54,362	52,530	690,267
On-Pk Demand (kW)	107	103	116	119	122	133	136	139	135	128	123	116	139

Energy Consumption		
Building	56,535	Btu/(ft2-year)
Source	169,994	Btu/(ft2-year)
Floor Area	41,550	ft2

Environmental Impact Analysis	
CO2	16,575,577 lbm/year
SO2	32,592 gm/year
NOX	15,956 gm/year

Project Name: Miami-Dade Public Housing MDPH
Dataset Name: HELEN-S-ALF.TRC

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Table G-5.11.C.2: Replace Windows (ECM-11) - AOS Savings Output Parameters (**Lemon City - Savings Summary**)

Savings Summary per site

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total			
Alternative: 1	Lemon City - Units for Window R															
Electric																
On-Pk Cons. (kWh)	36,301	32,123	47,753	51,314	55,890	61,405	68,232	68,778	63,601	53,178	46,264	42,484	627,323	627,323		
On-Pk Demand (kW)	87.74	86.97	108.33	114.51	119.88	134.43	138.24	139.5	135.19	117.85	106.38	96.74	139.5	1385.76		
Energy Consumption		Building	54,067	Btu/(ft2-year)			Source	162,217	Btu/(ft2-year)					Floor Area	39,600	ft2
Alternative: 2	Lighting															
Electric																
On-Pk Cons. (kWh)	31,980	28,258	43,382	47,065	51,512	57,158	63,793	64,319	59,303	48,760	42,016	38,103	575,649	575,649		
On-Pk Demand (kW)	77.77	81.18	102.63	108.78	114.17	129	132.32	133.57	129.38	112.1	100.66	90.99	133.57	1312.55		
Energy Consumption		Building	49,613	Btu/(ft2-year)			Source	148,855	Btu/(ft2-year)					Floor Area	39,600	ft2
Alternative: 3	New Windows															
Electric																
On-Pk Cons. (kWh)	30,901	27,025	41,765	45,226	49,457	55,026	61,690	62,457	57,752	47,504	41,042	37,167	557,013	557,013		
On-Pk Demand (kW)	75.72	74.55	95.48	101.16	104.84	120.65	124.7	126.13	123.16	106.05	95.56	86.64	126.13	1234.64		
Energy Consumption		Building	48,007	Btu/(ft2-year)			Source	144,036	Btu/(ft2-year)					Floor Area	39,600	ft2
Project Name:	Miami-Dade Public Housubg MDPH							TRACE® 700 v6.2.8 calculated at 05:31 PM on 07/23/2014								
Dataset Name:	LEMONC-WNW.TRC							Alternative - 3 Monthly Energy Consumption report Page -1 of 1								
Detailed numbers																
Description (apartment)		Description and/or Window Type						kW/yr.	kWh/yr.							
All inclusive		As Is (U=1.0 SC=0.95)						1,385.8	627,323							
All inclusive Lighting		Changed lighting from 1 to 0.8 W/sq.ft						1,312.6	575,649							
All inclusive all windows		New Impact Window (U=0.86, SC=0.45)						1,234.6	557,013							
Note: 1) for energy savings a lower number of windows was used than the actual count. The number of windows modeled was based on 100 occupied units																
2) For pricing, a quantity of 102 large windows (74" x 55") was used. For energy savings calculations, a quantity of 100 large windows was used.																
								Sav	Sav							
		Summary Savings:						kW	kWh							
		New Impact Window (U = 0.86, SC = 0.45)						78	18,636							

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Table G-5.11.C.2: Replace Windows (ECM-11) - AOS Savings Output Parameters (**Palm Court - Savings Summary**)

Savings Summary per site

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total			
Alternative: 1	Palm Court - Units for Window R															
Electric																
On-Pk Cons. (kWh)	29,010	25,724	40,405	43,590	47,576	52,974	59,315	60,182	55,653	45,551	39,167	35,123	534,269	534,269		
On-Pk Demand (kW)	68.98	67.29	89.5	98.29	102.76	113.68	115.86	116.61	115.89	98.84	90.04	77.8	116.61	1155.54		
Energy Consumption		Building	52,326	Btu/(ft2-year)			Source	156,994	Btu/(ft2-year)					Floor Area	1,800	ft2
Alternative: 2	Lighting															
Electric																
On-Pk Cons. (kWh)	25,239	28,258	36,584	39,867	43,733	49,243	55,445	56,317	51,907	41,686	35,444	31,285	489,123	495,011		
On-Pk Demand (kW)	62.53	61.89	83.2	92.06	96.56	107.31	109.48	110.2	109.51	92.62	83.81	72.51	110.2	1081.68		
Energy Consumption		Building	47,905	Btu/(ft2-year)			Source	143,728	Btu/(ft2-year)					Floor Area	1,800	ft2
Alternative: 3	New Windows - Palm Court															
Electric																
On-Pk Cons. (kWh)	23,349	20,415	34,315	37,675	41,554	47,206	53,313	54,300	49,917	39,674	33,650	29,523	464,891	464,891		
On-Pk Demand (kW)	60.93	58.78	78.44	85.28	89	102.92	105.86	109.05	103.94	87.93	79.88	70.83	109.05	1032.84		
Energy Consumption		Building	45,531	Btu/(ft2-year)			Source	136,607	Btu/(ft2-year)					Floor Area	1,800	ft2
Project Name:	Miami-Dade Public Housubg MDPH						TRACE® 700 v6.2.8 calculated at 05:15 PM on 07/23/2013									
Dataset Name:	PALM-C-WNW.TRC						Alternative - 3 Monthly Energy Consumption report Page -1 of 2									
Detailed numbers:																
Description (apartment)		Description and/or Window Type						kW/yr.	kWh/yr.							
All inclusive		As Is (U=1.0, SC=0.95)						1,156	534,269							
All inclusive Lighting		Changed lighting from 1 to 0.8 W/sq.ft						1,082	489,123							
All inclusive all windows		New Impact Window (U=0.86, SC=0.45)						1,033	464,891							
Note: 1) for energy savings a lower number of windows was used than the actual count. The number of windows modeled was based on 88 occupied units																
2) For pricing, a quantity of 102 large windows (74" x 55") was used. For energy savings calculations, a quantity of 88 large windows was used.																
								Sav	Sav							
		Summary Savings:						kW	kWh							
		New Impact Window (U = 0.86, SC = 0.45)						49	24,232							

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Table G-5.11.C.2: Replace Windows (ECM-11) - AOS Savings Output Parameters (**Edison Plaza - Savings Summary**)

Savings Summary per site

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total			
Alternative. 1	Edison Plaza Elderly															
Electric																
On-Pk Cons. (kWh)	36,174	32,266	45,382	48,254	51,555	54,952	60,857	61,591	57,000	48,939	43,178	40,692	580,842	580,842		
On-Pk Demand (kW)	75.92	79.02	103.8	112.41	112.4	120.7	127.29	131.54	127.59	108.51	94.33	84.55	131.54	1409.6		
Energy Consumption		Building	65,556	Btu/(ft2-year)			Source	196,688	Btu/(ft2-year)					Floor Area	30,240	ft2
Alternative: 2	Lights															
Electric																
On-Pk Cons. (kWh)	32,907	28,258	42,075	45,038	48,230	51,714	57,496	58,236	53,747	45,587	39,953	37,370	541,693	540,611		
On-Pk Demand (kW)	70.83	74.53	98.55	108.01	107.99	116.3	122.9	126.98	123.04	104.14	89.92	80.11	126.98	1350.28		
Energy Consumption		Building	61,138	Btu/(ft2-year)			Source	183,431	Btu/(ft2-year)					Floor Area	30,240	ft2
Alternative: 3	New Windows															
Electric																
On-Pk Cons. (kWh)	32,159	28,418	40,700	43,391	46,608	50,304	55,909	56,551	52,438	44,651	39,312	36,798	527,240	527,240		
On-Pk Demand (kW)	68.4	70.19	89.93	97.72	99.46	108.96	114.33	117.25	113.48	96.93	85.76	77.14	117.25	1256.8		
Energy Consumption		Building	59,506	Btu/(ft2-year)			Source	178,537	Btu/(ft2-year)					Floor Area	30,240	ft2
Project Name:	Miami-Dade Public Housubg MDPH						TRACE® 700 v6.2.8 calculated at 03:00 PM on 07/23/2013									
Dataset Name:	EDISON-WNW.TRC						Alternative - 3 Monthly Energy Consumption report Page -1 of 2									
Detailed numbers																
Description (apartment)		Description and/or Window Type						kW/yr.	kWh/yr.							
All inclusive		As Is (U=1.0 SC=0.95)						1,410	580,842							
All inclusive Lighting		Changed lighting from 1 to 0.8 W/sq.ft.						1,350	541,693							
All inclusive all windows		New Impact Window (U=0.86, SC=0.45)						1,257	527,240							
Note: 1) For pricing actual quantity was used. For energy savings calculations, a quantity of 80 balcony windows was used.																
2) Energy savings safety factor used on kW = 0.5																
								Sav	Sav							
		Summary Savings:						kW	kWh							
		New Impact Window (U = 0.86, SC = 0.45)						47	14,453							

Table G-5.11.C.2: Replace Windows (ECM-11) - AOS Savings Output Parameters (**Helen Sawyer - Savings Summary**)

Savings Summary per site

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total			
Alternative: 1	Helen Sawyer ALF - Units for Window R															
Electric																
On-Pk Cons. (kWh)	52,520	44,968	61,227	64,099	68,788	73,851	81,337	81,839	76,715	68,021	62,194	59,518	795,079	795,079		
On-Pk Demand (kW)	114.14	105.88	120.8	126.92	131.95	147.09	152.57	156.03	148.62	135.69	131.97	126.09	156.03	1597.75		
Energy Consumption		Building	65,262	Btu/(ft2-year)			Source	195,806	Btu/(ft2-year)					Floor Area	41,580	ft2
Alternative: 2	Lights															
Electric																
On-Pk Cons. (kWh)	47,975	28,258	56,617	59,622	64,173	69,381	76,613	77,169	72,162	63,388	57,750	54,934	740,690	728,043		
On-Pk Demand (kW)	107.95	99.72	114.65	120.83	126.06	141.02	146.45	149.88	142.49	129.53	125.92	120.06	149.88	1524.56		
Energy Consumption		Building	60,798	Btu/(ft2-year)			Source	182,412	Btu/(ft2-year)					Floor Area	41,580	ft2
Alternative: 3	New sliding door windows - no Impact															
Electric																
On-Pk Cons. (kWh)	47,548	41,151	55,086	57,061	60,894	64,481	70,565	71,219	66,993	60,277	55,275	53,188	703,738	703,738		
On-Pk Demand (kW)	105.86	102.16	115.59	119.4	122.42	133.47	137.02	139.54	136.68	127.72	123.08	116.92	139.54	1479.86		
Energy Consumption		Building	57,765	Btu/(ft2-year)			Source	173,312	Btu/(ft2-year)					Floor Area	41,580	ft2
Project Name:	Miami-Dade Public Housubg MDPH						TRACE® 700 v6.2.8 calculated at 12:59 AM on 07/22/2013									
Dataset Name:	HELEN-S-ALF.TRC						Alternative - 3 Monthly Energy Consumption report Page -1 of 2									
Detailed numbers																
Description (apartment)		Description and/or Window Type						kW/yr.	kWh/yr.							
All inclusive		As Is (U=1.0, SC=0.7)						1,598	795,079							
All inclusive Lighting		Changed lighting from 1 to 0.8 W/sq.ft.						1,525	740,690							
All inclusive all sliders		New Sliding Door Window (U=0.8, SC=0.45)						1,480	703,738							
Note: 1) for energy savings a lower number of windows was used than the actual count. The number of windows modeled was based on 104 occupied units																
									Sav	Sav						
		Summary Savings:							kW	kWh						
		New regular sliding door windows (U = 1, SC = 0.45)							45		0.2205					

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B) ECM-11 - Replace Windows Option C – Frozen Rolling Base (FRB) M&V Approach

Approach Summary:

ECM-11 FRB Savings are included in Appendix G-1.

Table G-5.11.C: ECM-11 Option C FRB M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option C	Electric FRB	Monthly	**Utility Bill Analysis**	All applicable utility bills
		Every 5th Year	**Operation Verification** – None	None

Refer to Appendix G-1 for utility bill analysis and visual inspection procedures.

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G-5.12 Convert Electric Dryers to Gas (ECM-12)

IPMVP Methodologies Employed: Option A and Option C

Option A methodology will apply to the master-metered natural gas and electric savings for ECM-12 included as part of the Additional Operating Subsidy (AOS) Savings for the PHA developments listed in Table G-5A in accordance with Appendix G-2.

Option C methodology will apply to the master-metered natural gas and electric savings for ECM-12 included as part of the Frozen Rolling Base (FRB) Savings Incentive for the PHA developments listed in Table G-5A in accordance with Appendix G-1.

A) ECM-12 - Convert Electric Dryers to Gas Option A - AOS M&V Approach

Approach Summary:

ECM-12 AOS Savings are included in Appendix G-2.

Table G-5.12.A: ECM-12 Option A - AOS M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option A	Natural Gas Electric AOS	Before (Baseline)	**Performance Parameter** – Electric and gas use per load from manufacturer (calculated)	All New Dryers
		Immediately After Installation (Post)	(Same as Baseline)	
		Annually	**Operation Verification** – Visual Inspection of Installed Equipment	
		Every 5th Year	**Performance Parameter** – Electric and gas use per load from manufacturer (calculated)	

Formulae for Savings:

Dryer Electric Savings in kWh = {[Baseline Dryer Electric Use in kWh/Load] x [Total Number of Loads Per Year]}

Dryer Natural Gas Savings in Therms = {-[Proposed Dryer Gas Use in Therms/Load] x [Total Number of Loads Per Year]}

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Input Values:

The existing and proposed dryer electric and gas use per load, number of loads are specified in Table G.5.12.B and will be held fixed throughout the contract term, except as noted in the following Inspections & Baseline/Savings Adjustments Section.

Output Values:

The natural gas and electric AOS Savings will be in accordance with Table G.5.12.B, and held fixed throughout the contract term, unless otherwise adjusted as noted in the following Inspections & Baseline/Savings Adjustments Section.

Inspections & Baseline/Savings Adjustments:

Due to the difficulty and expense associated with measuring the Performance Parameter for this ECM, the electric and gas use per load from the manufacturer will be agreed upon and held constant for the term of the contract. For each year of the contract term Ameresco will verify the operation (Operation Verification) of the equipment installed as part of ECM-12 by visually inspecting all dryers installed under this project at the developments where the Option A - AOS M&V Approach is utilized to verify if the equipment is still installed and functioning as intended. The results of these inspections will be reported to PHA annually.

In addition to the baseline/savings adjustments noted in this section, all applicable baseline adjustments noted in Section G-5.15 Baseline Adjustments and/or Sections 8 and 10 of the ESA will apply to the ECM-12 Option A - AOS M&V Approach.

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Table G-5.12.B: Convert Electric Dryers to Gas (ECM-12) - AOS Savings Calculations

Notes:

1. Gas and electric savings associated with the dryers at the sites listed below will be held constant throughout the contract term, unless otherwise adjusted per the M&V protocol.
2. Average existing dryer energy use in kWh is based on nameplate data for existing equipment.
3. Loads per person per week figures based on laundry end-use analysis.

Column			A	B	C	D	E	F	G	H	
Site Name	AMP #	# of Apts.	# Of Elec. Dryers	# Of Occupants	Laundry Loads Per Person per Week	Annual Laundry Loads	kWh Used Before	CCF Used After	Electric Savings (kWh)	Gas Savings (CCF)	Comments
Ward Towers ALF	144	100	10	92	0.8	3,827		625	0	-625	**Electric is FRB**
Little River Plaza	057	86	2	75	0.8	3,120		509	0	-509	**Electric is FRB**
Peters Plaza	039	102	4	103	0.8	4,285		699	0	-699	**Electric is FRB**
Palm Towers	043	103	3	100	0.8	4,160	19,885	679	19,885	-679	
Wynwood Elderly	094	72	3	74	0.8	3,078		502	0	-502	**Electric is FRB**
Abe Arronovitz	011	55	2	58	0.5	1,508		246	0	-246	**Electric is FRB**
Total									**19,885**	**-3,260**	

Measured Commercial Dryer Energy Use		Cell Ref
4.76	kWh used per 12-16 lb average dryer load (net of motor)	A1
0.163	Therms used per 12-16 lb average dryer load	A2

Cell Ref.	Comment
A,B	MDPHA-provided data
C	Avg. loads/week for elderly residents
D	= [col B] x [col C] x 52
E	= [col D] x A1
F	= [col D] x A2
G	= [col E]
H	= - [col F]

B) ECM-12 - Convert Electric Dryers to Gas Option C - FRB M&V Approach

Approach Summary:

ECM-12 FRB Savings are included in Appendix G-1.

Table G-5.12.C: ECM-12 Option C FRB M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option C	Natural Gas Electric FRB	Monthly	**Utility Bill Analysis**	All applicable utility bills
		Every 5th Year	**Operation Verification** – Visual Inspection of Installed Equipment	All New Dryers

Refer to Appendix G-1 for utility bill analysis and visual inspection procedures.

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G-5.13 Upgrade Exterior Area Lighting (ECM-13)

IPMVP Methodology Employed: Option A and Option C

Option A methodology will apply to the master-metered electric savings for ECM-13 included as part of the Additional Operating Subsidy (AOS) Savings for the PHA developments listed in Table G-5A in accordance with Appendix G-2.

Option C methodology will apply to the master-metered electric savings for ECM-13 included as part of the Frozen Rolling Base (FRB) Savings Incentive for the PHA developments listed in Table G-5A in accordance with Appendix G-1.

A) ECM-13 - Upgrade Exterior Area Lighting Option A - AOS M&V Approach

Approach Summary:

ECM-13 AOS Savings are included in Appendix G-1.

Table G-5.13.A: ECM-13 Option A - AOS M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option A	Electric AOS	Before (Baseline)	**Performance Parameter** – Lighting Fixture Wattage Measurements	Random sampling of each development's fixture type selected using 80/10 confidence/precision level
		Immediately After Installation (Post)	(Same as Baseline)	
		Annually	**Operation Verification** – Visual Inspection of Installed Equipment	
		Every 5th Year	**Performance Parameter** – Lighting Fixture Wattage Measurements	

Formulae for Savings:

Electric Energy Savings in kWh = {[Existing Fixture Watts] x [Quantity of Existing Fixtures] – [Proposed Fixture Watts] x [Quantity of Proposed Fixtures]} x [Hours of Operation] ÷ 1,000

Refer to Attachment 2 of the ESA for the detailed AOS savings calculations for the Upgrade Common Area Exterior Lighting ECM.

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Input Values:

The existing and proposed fixture quantities, wattages, and hours of operation are specified in the detailed lighting audit included in Attachment 2 of the ESA and will be held fixed throughout the contract term, except as noted in the following Inspections & Baseline/Savings Adjustments Section.

Output Values:

The electric savings will be in accordance with Attachment 2 of the ESA and held fixed throughout the contract term, unless otherwise adjusted as noted in the following Inspections & Baseline/Savings Adjustments Section.

Inspections & Baseline/Savings Adjustments:

For each year of the contract term Ameresco will verify the operation (Operation Verification) of the equipment installed as part of ECM-13 by visually inspecting a sample of fixture types at the developments where the Option A - AOS M&V Approach is utilized to verify if the equipment is still installed and functioning as intended. These visual inspections will be taken for a randomly selected quantity of fixture types as required to ensure an 80% confidence level and 10% precision level per development and the results of these inspections will be reported to PHA annually.

Before and after the installation of ECM-13, and then subsequently in years 6, 11, and 16 (every 5th year after post installation inspection), Ameresco will verify the Performance Parameter. For ECM-13 the Performance Parameter that will be measured will be fixture wattages. These measurements will be taken for a randomly selected quantity of fixture types as required to ensure an 80% confidence level and 10% precision level per development where the Option A - AOS M&V Approach is utilized. If the average variance between the measured Performance Parameter and the rated values presented in Attachment 2 of the ESA is greater than 10%, then PHA will first adjust and/or repair as necessary the equipment to achieve a less than 10% average variance between measured and rated values. If, after such actions have been taken, the measured values still vary in excess of 10% from the rated values, then the savings estimates will be revised to reflect the average of the final measured values.

In addition to the baseline/savings adjustments noted in this section, all applicable baseline adjustments noted in Section G-5.15 Baseline Adjustments and/or Sections 8 and 10 of the ESA will apply to the ECM-13 Option A - AOS M&V Approach.

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B) ECM-13 - Upgrade Exterior Area Lighting Option C – Frozen Rolling Base (FRB) M&V Approach

Approach Summary:

ECM-13 FRB Savings are included in Appendix G-1.

Table G-5.13.B: ECM-13 Option C FRB M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option C	Electric FRB	Monthly	**Utility Bill Analysis**	All applicable utility bills
		Every 5th Year	**Operation Verification** – Visual Inspection of Installed Equipment	Random sampling of each development's fixture types selected using 80/10 confidence/precision level

Refer to Appendix G-1 for utility bill analysis and visual inspection procedures.

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G-5.14 Install Lighting Controls (ECM-14)

IPMVP Methodology Employed: Option A and Option C

Option A methodology will apply to the master-metered electric savings for ECM-14 included as part of the Additional Operating Subsidy (AOS) Savings for the PHA developments listed in Table G-5A in accordance with Appendix G-2.

Option C methodology will apply to the master-metered electric savings for ECM-14 included as part of the Frozen Rolling Base (FRB) Savings Incentive for the PHA developments listed in Table G-5A in accordance with Appendix G-1.

A) ECM-14 - Install Lighting Controls Option A - AOS M&V Approach

Approach Summary:

ECM-14 AOS Savings are included in Appendix G-1.

Table G-5.14.A: ECM-14 Option A - AOS M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option A	Electric AOS	Before (Baseline)	**Performance Parameter** – Lighting Fixture Operating Hours	Random sampling of each development's fixture type selected using 80/10 confidence/precision level
		Immediately After Installation (Post)	(Same as Baseline)	
		Annually	**Operation Verification** – Visual Inspection of Installed Equipment	
		Every 5th Year	**Performance Parameter** – Lighting Fixture Operating Hours	

Formulae for Savings:

Electric Energy Savings in kWh = [Proposed Fixture Watts] x [Quantity of Proposed Fixtures] x {[Existing Hours of Operation] - [Proposed Hours of Operation]} ÷ 1,000

Refer to Attachment 2 of the ESA for the detailed AOS savings calculations for the Install Lighting Controls ECM.

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Input Values:

The fixture quantities, wattages, and existing and proposed hours of operation are specified in the detailed lighting audit included in Attachment 2 of the ESA and will be held fixed throughout the contract term, except as noted in the following Inspections & Baseline/Savings Adjustments Section.

Output Values:

The electric savings will be in accordance with Attachment 2 of the ESA and held fixed throughout the contract term, unless otherwise adjusted as noted in the following Inspections & Baseline/Savings Adjustments Section.

Inspections & Baseline/Savings Adjustments:

For each year of the contract term Ameresco will verify the operation (Operation Verification) of the equipment installed as part of ECM-14 by visually inspecting a sample of fixture types with new controls at the developments where the Option A - AOS M&V Approach is utilized to verify if the equipment is still installed and functioning as intended. These visual inspections will be taken for a randomly selected quantity of fixture types as required to ensure an 80% confidence level and 10% precision level per development and the results of these inspections will be reported to PHA annually.

Before and after the installation of ECM-14, and then subsequently in years 6, 11, and 16 (every 5th year after post installation inspection) Ameresco will verify the Performance Parameter. For ECM-14 the Performance Parameter that will be measured will be fixture operating hours. These measurements will be taken for a randomly selected quantity of fixture types as required to ensure an 80% confidence level and 10% precision level per development where the Option A - AOS M&V Approach is utilized. If the average variance between the measured Performance Parameter and the rated values presented in Attachment 2 of the ESA is greater than 10%, then PHA will first adjust and/or repair as necessary the equipment to achieve a less than 10% average variance between measured and rated values. If, after such actions have been taken, the measured values still vary in excess of 10% from the rated values, then the savings estimates will be revised to reflect the average of the final measured values.

In addition to the baseline/savings adjustments noted in this section, all applicable baseline adjustments noted in Section G-5.15 Baseline Adjustments and/or Sections 8 and 10 of the ESA will apply to the ECM-14 Option A - AOS M&V Approach.

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B) ECM-14 - Install Lighting Controls Option C – Frozen Rolling Base (FRB) M&V Approach

Approach Summary:

ECM-14 FRB Savings are included in Appendix G-1.

Table G-5.14.B: ECM-14 Option C FRB M&V Approach Summary

M&V Type	Incentive Type	Inspection Frequency	Inspection Verification Component	Sample Size
Option C	Electric FRB	Monthly	**Utility Bill Analysis**	All applicable utility bills
		Every 5th Year	**Operation Verification** – Visual Inspection of Installed Equipment	Random sampling of each development's fixture types selected using 80/10 confidence/precision level

Refer to Appendix G-1 for utility bill analysis and visual inspection procedures.

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G-5.15 Baseline Adjustments

I. If the hours of occupied operation of the Property, or any portion thereof, are materially changed, as that term is defined in Section 8.E. of the Energy Services Agreement, subsequent to the date of this Agreement, the Baseline will be equitably recalculated by Ameresco and approved in writing by the MDPHCD, such approval not to be unreasonably withheld.

II. In the event that the type of fuel used at the Property, or any portion thereof, changes at any time during the contract period in any manner which Ameresco reasonably believes affects the Baseline and/or Ameresco's Guarantee, the Baseline and/or the Guarantee will be equitably recalculated by Ameresco and approved in writing by the MDPHCD, such approval not to be unreasonably withheld, in accordance with the Material Change provisions of Sections 8.E. and F.

III. It is understood and agreed that the MDPHCD may be subject to laws and regulations which may require the MDPHCD to alter the minimum or maximum temperature at any given time and the MDPHCD will comply with the same. In the event that Ameresco reasonably believes that such a change in temperature affects the Baseline and/or Ameresco's Guarantee, the Baseline and/or the Guarantee will be equitably recalculated by Ameresco and approved in writing by the MDPHCD, such approval not to be unreasonably withheld.

IV. In the event that MDPHCD or persons using the Property add or remove energy consuming devices (including, but not limited to, vending machines, kilns, computers, printers and other electronic or fossil fuel consuming devices), or change the use of existing devices, which materially increase or decrease energy usage as defined in Section 8 of the Energy Services Agreement, MDPHCD will inform Ameresco by written notice within thirty (30) days of becoming aware thereof, as to any such changes which could result, in aggregate or over time, in a change of total annual energy savings as set forth in Section 8.E. Should such Material Change require an adjustment to the Baseline or savings Guarantee as set forth in Section 8.F., Ameresco will report such change in its Annual Reconciliation to the MDPHCD and adjust the Baseline or savings Guarantee accordingly.

V. Weather related changes. In the event the applicable weather varies from the baseline weather, adjustments to the Baseline may be warranted. Weather adjustments will be based on temperature correlation factors applied against the current weather, as measured in degree-days from the nearest available NOAA weather station.

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Appendix G-6: Utility Account Data

Table G-6.1: Summary of Utility Providers

Development	Electricity (Supply/Delivery)	Natural Gas (Supply/Delivery)	Liquid Propane (Supply/Delivery)	Water & Sewer
All Affected Developments	Florida Power & Light, The City of Homestead	Florida City Gas, Peoples Gas System	Heritage Operating LP	Miami Dade Water and Sewer Department, The City of Florida City, The City of Homestead, The City of North Miami, The City of North Miami Beach, The City of Opa Lock

Table G-6.2: Summary of Electric Frozen Rolling Base Accounts

Developments	Account #	Meter #	Rate	Service Address
Gwen Cherry 20	8309687849	AC12952	68	76 NW 77TH ST # HL
Ward Towers	2367069271	AC14233	44	2200 NW 54TH ST # 102 HUD
Ward Towers	6949042466	AC14235	44	2200 NW 54TH ST # 105 HUD
Ward Towers	8771073106	DU32784	170	2200 NW 54TH ST # HL HUD
Ward Towers	8772071133	6T39297	68	2200 NW 54 ST #COMM CTR
Ward Towers ALF	4318539444	6U72097	72	5301 NW 23RD AVE
Little River Plaza	3037878166	6U54798	72	8255 NW MIAMI CT # HL
Little River Plaza	3038876193	AE00091	68	8255 NW MIAMI CT # SOC
Peters Plaza	4355585621	6U35897	72	191 NE 75TH ST # HL
Twin Lakes	3327285767	5J25739	68	1201 NW 95 ST
Twin Lakes	3357285745	AC04853	68	1205 NW 95 ST #HL
Twin Lakes	3389281787	AC07462	68	1215 NW 95 ST #HL
Twin Lakes	4361280714	6Q35722	72	1221 NW 95TH ST
Twin Lakes	4365289711	AC04808	68	1225 NW 95 ST #HL
Liberty Square (3)	5001676260	0	72	1415 NW 63RD ST # OFC
Edison Park (Family, Scattered Site)	1511276204	AC05261	44	271 NW 56TH ST # F
Edison Park (Family, Scattered Site)	3409693201	AC05186	44	5551 NW 1ST PL # REAR HSE
Edison Park (Family, Scattered Site)	4539277535	AC05264	44	276 NW 56TH ST # HSE
Edison Park (Family, Scattered Site)	4752465205	AC05263	44	227 NW 56TH ST # F
Edison Park (Family, Scattered Site)	5764085170	AC13140	68	5560 NW 1ST PL # R
Edison Park (Family, Scattered Site)	9704408328	AC05262	44	256 NW 55TH ST # LIGHTING
Wynwood Elderly	9316375170	6U57726	72	3000 NW 3RD AVE # HL
Abe Arronovitz	9203372017	AC13267	68	2701 NW 18TH AVENUE PLZ # HL
Jose Marti Plaza	5574174123	6U39674	72	154 SW 17TH AVE # HSE
Jose Marti Plaza	5575172159	5L22079	68	154 SW 17TH AVE # REC
Harry Cain	1292004122	6L11045	68	460 NE 2ND AVE
Harry Cain	1676689738	6L20173	68	490 NE 2ND AVE # HUD-CA
Harry Cain	1677687764	6L45079	72	490 NE 2ND AVE # HUD-COA
Harry Cain	1679681716	DU52893	170	490 NE 2ND AVE # HL
Little Havana Homes (Scattered)	3563479165	5L99023	68	1255 SW 1ST ST # HL HUD
Gwen Cherry 14	1813525423	AC13269	44	2005 NW 23RD ST # HSE
Gwen Cherry 14	8125133440	0	11	2099 NW 23RD ST # OL
Biscayne Plaza	N/A	14465-4945	Homestead	15201 SW 288 ST
Perrine Villas	212775951	6C10771	68	10000 W JESSAMINE ST # LR
Goulds Plaza	4445378989	6C94306	68	11455 SW 213 ST #LNDR RM
Goulds Plaza	6061023369	AC33919	44	11471 SW 213TH ST

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Developments	Account #	Meter #	Rate	Service Address
South Miami	2946805278	AC17206	68	5983 SW 61ST COURT CIR # LEFT SIDE WALL
South Miami	5084869345	5C91214	68	5944 SW 66TH TER # HL
South Miami	6019867313	AC17254	68	5943 SW 61ST CT # HL
South Miami	9338262208	5C65381	68	5865 SW 68TH ST # HL
Perrine Gardens	1424065207	ACD9784	44	10153 SW 173RD CIRCLE PLZ # W
Perrine Gardens	3699717389	AC25556	44	10155 SW 173RD CIRCLE PLZ # W
Perrine Gardens	6982042449	0	11	10351 SW 180TH ST # OL
Perrine Gardens	7203766014	6C73348	68	10051 W FERN ST
Perrine Gardens	7546686028	AC25085	44	10152 SW 173RD CIRCLE PLZ # W
Perrine Gardens	9211176905	AC25025	68	10322 SW 179TH ST # REAR
Moody Village	2645601036	AC22114	68	26900 SW 135TH AVE
Moody Village	5262497174	AC22113	68	27034 SW 135TH AVE # HUDLIGHT
Arthur Mays Village	412070492	AC28445	44	21506 SW 113TH AVE
Arthur Mays Village	2206247450	AC33915	68	21451 SW 114TH CT
Arthur Mays Village	7832531086	AC33913	68	21451 SW 114TH CT #LIGHTS
Southridge I	6636294347	5C09687	68	19037 SW 112TH PL #LIGHTS
Southridge I	7564641442	5C59932	68	11318 SW 190TH LN #LIGHTS
Southridge I	8553470918	ACD2296	68	11246 SW 191ST LN
Southridge I	2721166540	0	68	11268 SW 191ST LN # LIGHTS

Table G-6.3: Summary of Natural Gas Thermal Frozen Rolling Base Accounts

Developments	Meter #	Rate	Service Address
Ward Towers	293328122	FCG	2200 NW 54TH ST
Ward Towers	3982128122	[Rate]	2200 NW 54TH ST
Ward Towers	7193228122	FCG 6k	2200 NW 54TH ST
Edison Plaza (Elderly)	722322	PPL GS-1	230 NW 55 ST
Edison Plaza (Elderly)	722314	[Rate]	230 NW 55 ST
Jollivette	4253018132	FCG 6k	2450 NW 64TH ST
Annie Coleman (Scattered Site) 14	5760656189	FCG 25k	4600 NW 25TH AVE
Annie Coleman (Scattered Site) 16	27648282	FCG	2604 NW 68TH ST
Annie Coleman (Scattered Site) 16	88308132	FCG	1942 NW 62ND ST
Annie Coleman (Scattered Site) 16	182859212	FCG	1905 NW 60TH ST
Annie Coleman (Scattered Site) 16	347898122	FCG	6101 NW 20TH AV
Annie Coleman (Scattered Site) 16	400508232	FCG	6019 NW 20TH AV
Annie Coleman (Scattered Site) 16	8324105515	FCG	6035 NW 20TH AVE
Annie Coleman (Scattered Site) 16	787708132	FCG	1926 NW 62ND ST
Annie Coleman (Scattered Site) 16	836948282	FCG	2610 NW 68TH ST
Annie Coleman (Scattered Site) 16	971408232	FCG	1840 NW 60TH ST
Annie Coleman (Scattered Site) 16	1165878232	FCG	6045 NW 20TH AV
Annie Coleman (Scattered Site) 16	1275778232	FCG	6041 NW 20TH AV
Annie Coleman (Scattered Site) 16	1469598222	FCG	1840 NW 60TH ST
Annie Coleman (Scattered Site) 16	1474708132	FCG	1902 NW 62ND ST
Annie Coleman (Scattered Site) 16	1480358282	FCG	6710 NW 26TH AV
Annie Coleman (Scattered Site) 16	1517570170	FCG	
Annie Coleman (Scattered Site) 16	1534708132	FCG	1900 NW 62ND ST
Annie Coleman (Scattered Site) 16	1540358282	FCG	6710 NW 26TH AV
Annie Coleman (Scattered Site) 16	1709608132	FCG	1946 NW 62ND ST
Annie Coleman (Scattered Site) 16	1780588222	FCG	1742 NW 60TH ST
Annie Coleman (Scattered Site) 16	1815918132	FCG	1824 NW 60TH ST
Annie Coleman (Scattered Site) 16	1975718132	FCG	1820 NW 60TH ST
Annie Coleman (Scattered Site) 16	2001698122	FCG	6240 NW 21ST AV
Annie Coleman (Scattered Site) 16	2321708232	FCG	1840 NW 60TH ST
Annie Coleman (Scattered Site) 16	2334638132	FCG	2615 NW 61ST ST
Annie Coleman (Scattered Site) 16	2365708132	FCG	1906 NW 62ND ST
Annie Coleman (Scattered Site) 16	2488169242	FCG 1.2k	6239 NW 24TH AV

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Developments	Meter #	Rate	Service Address
Annie Coleman (Scattered Site) 16	2489278222	FCG	5943 NW 19TH AV
Annie Coleman (Scattered Site) 16	2497519232	FCG 1.2k	2480 NW 63RD ST
Annie Coleman (Scattered Site) 16	2509498222	FCG	6017 NW 20TH AV
Annie Coleman (Scattered Site) 16	2513354448	FCG	2139 NW 53RD ST
Annie Coleman (Scattered Site) 16	2549278222	FCG	5945 NW 19TH AV
Annie Coleman (Scattered Site) 16	2590588222	FCG	1746 NW 60TH ST
Annie Coleman (Scattered Site) 16	2667118132	FCG	1872 NW 60TH ST
Annie Coleman (Scattered Site) 16	2853218212	FCG	6037 NW 20TH AV
Annie Coleman (Scattered Site) 16	2888008242	FCG	1724 NW 60TH ST
Annie Coleman (Scattered Site) 16	2980948232	FCG	1834 NW 60TH ST
Annie Coleman (Scattered Site) 16	3000408232	FCG	1933 NW 60TH ST
Annie Coleman (Scattered Site) 16	3058678222	FCG	5947 NW 19TH AV
Annie Coleman (Scattered Site) 16	3146408132	FCG	1910 NW 62ND ST
Annie Coleman (Scattered Site) 16	3305548282	FCG	2601 NW 67TH ST
Annie Coleman (Scattered Site) 16	3332508132	FCG	
Annie Coleman (Scattered Site) 16	3337508132	FCG	1922 NW 62ND ST
Annie Coleman (Scattered Site) 16	3343158282	FCG	6710 NW 26TH AV
Annie Coleman (Scattered Site) 16	3361208132	FCG	6125 NW 20TH AV
Annie Coleman (Scattered Site) 16	3493718132	FCG	6600 NW 26TH AV
Annie Coleman (Scattered Site) 16	3748198122	FCG	6103 NW 20TH AV
Annie Coleman (Scattered Site) 16	3817118132	FCG	1870 NW 60TH ST
Annie Coleman (Scattered Site) 16	4004518212	FCG	6033 NW 20TH AV
Annie Coleman (Scattered Site) 16	4008108132	FCG	1940 NW 62ND ST
Annie Coleman (Scattered Site) 16	4038218132	FCG	1911 NW 60TH ST
Annie Coleman (Scattered Site) 16	4111808232	FCG	1840 NW 60TH ST
Annie Coleman (Scattered Site) 16	4258018132	FCG	1909 NW 60TH ST
Annie Coleman (Scattered Site) 16	4411078132	FCG	2135 NW 52ND ST
Annie Coleman (Scattered Site) 16	4487991313	FCG	6121 NW 20TH AV
Annie Coleman (Scattered Site) 16	4752208132	FCG	6135 NW 20TH AV
Annie Coleman (Scattered Site) 16	4767208242	FCG	1722 NW 60TH ST
Annie Coleman (Scattered Site) 16	4871018132	FCG	2112 NW 62RD ST
Annie Coleman (Scattered Site) 16	4898948282	FCG	6710 NW 26TH AV
Annie Coleman (Scattered Site) 16	4907538232	FCG	1830 NW 60TH ST
Annie Coleman (Scattered Site) 16	4920908232	FCG	1840 NW 60TH ST
Annie Coleman (Scattered Site) 16	4928518132	FCG	1915 NW 60TH ST
Annie Coleman (Scattered Site) 16	5116248282	FCG	2609 NW 67TH ST
Annie Coleman (Scattered Site) 16	5159298222	FCG	6021 NW 20TH AV
Annie Coleman (Scattered Site) 16	5221588222	FCG	1748 NW 60TH ST
Annie Coleman (Scattered Site) 16	5365948282	FCG	2605 NW 67TH ST
Annie Coleman (Scattered Site) 16	5429868212	FCG	1864 NW 60TH ST
Annie Coleman (Scattered Site) 16	5433998232	FCG	1726 NW 60TH ST
Annie Coleman (Scattered Site) 16	5470088222	FCG	5941 NW 19TH AV
Annie Coleman (Scattered Site) 16	5481398122	FCG	6240 NW 21ST AV
Annie Coleman (Scattered Site) 16	5570308132	FCG	
Annie Coleman (Scattered Site) 16	5718248282	FCG	2608 NW 68TH ST
Annie Coleman (Scattered Site) 16	5790098122	FCG	6240 NW 21ST AV
Annie Coleman (Scattered Site) 16	5811508232	FCG	1840 NW 60TH ST
Annie Coleman (Scattered Site) 16	5890858282	FCG	6710 NW 26TH AV
Annie Coleman (Scattered Site) 16	5981408132	FCG	6127 NW 20TH AV
Annie Coleman (Scattered Site) 16	6178598122	FCG	6117 NW 20TH AV
Annie Coleman (Scattered Site) 16	6196748282	FCG	2611 NW 67TH ST
Annie Coleman (Scattered Site) 16	6288498122	FCG	6119 NW 20TH AV
Annie Coleman (Scattered Site) 16	6459268212	FCG	1862 NW 60TH ST
Annie Coleman (Scattered Site) 16	6482098122	FCG	6240 NW 21ST AV
Annie Coleman (Scattered Site) 16	6553467222	FCG	1832 NW 60TH ST
Annie Coleman (Scattered Site) 16	6610798122	FCG	6240 NW 21ST AV
Annie Coleman (Scattered Site) 16	6852548242	FCG	1947 NW 60TH ST
Annie Coleman (Scattered Site) 16	6899618132	FCG	5940 NW 18TH AV
Annie Coleman (Scattered Site) 16	7028868212	FCG	1860 NW 60TH ST

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Developments	Meter #	Rate	Service Address
Annie Coleman (Scattered Site) 16	7522608132	FCG	6139 NW 20TH AV
Annie Coleman (Scattered Site) 16	7573048242	FCG	1945 NW 60TH ST
Annie Coleman (Scattered Site) 16	7600228132	FCG	5948 NW 18TH AV
Annie Coleman (Scattered Site) 16	8024152572	FCG	
Annie Coleman (Scattered Site) 16	8181908232	FCG	6015 NW 20TH AV
Annie Coleman (Scattered Site) 16	8249738232	FCG	1836 NW 60TH ST
Annie Coleman (Scattered Site) 16	8324105515	FCG	6035 NW 20TH AV
Annie Coleman (Scattered Site) 16	8422248242	FCG	1941 NW 60TH ST
Annie Coleman (Scattered Site) 16	8545518212	FCG	6031 NE 20TH AV
Annie Coleman (Scattered Site) 16	8550408232	FCG	1931 NW 60TH ST
Annie Coleman (Scattered Site) 16	8579868212	FCG	1866 NW 60TH ST
Annie Coleman (Scattered Site) 16	8613301221	FCG	
Annie Coleman (Scattered Site) 16	8689242115	FCG	6123 NW 20TH AV
Annie Coleman (Scattered Site) 16	8710214152	FCG	6111 NW 20TH AV
Annie Coleman (Scattered Site) 16	8727708132	FCG	1924 NW 62ND ST
Annie Coleman (Scattered Site) 16	8730208132	FCG	
Annie Coleman (Scattered Site) 16	8819998222	FCG	1937 NW 60TH ST
Annie Coleman (Scattered Site) 16	8858808132	FCG	1944 NW 62ND ST
Annie Coleman (Scattered Site) 16	8928048282	FCG	2600 NW 68TH ST
Annie Coleman (Scattered Site) 16	8997408132	FCG	1920 NW 62ND ST
Annie Coleman (Scattered Site) 16	9020018132	FCG	2110 NW 63RD ST
Annie Coleman (Scattered Site) 16	9119918132	FCG	5946 NW 18TH AV
Annie Coleman (Scattered Site) 16	9122418132	FCG	6200 NW 21ST AV
Annie Coleman (Scattered Site) 16	9127418132	FCG	1907 NW 60TH ST
Annie Coleman (Scattered Site) 16	9252098122	FCG	6240 NW 21ST AV
Annie Coleman (Scattered Site) 16	9335103242	FCG	6137 NW 20TH AV
Annie Coleman (Scattered Site) 16	9398408242	FCG	1728 NW 60TH ST
Annie Coleman (Scattered Site) 16	9472108132	FCG	6131 NW 20TH AV
Annie Coleman (Scattered Site) 16	9494718132	FCG	6700 NW 26TH AV
Annie Coleman (Scattered Site) 16	9499718132	FCG	5942 NW 18TH AV
Annie Coleman (Scattered Site) 16	9566678232	FCG	6047 NW 20TH AV
Annie Coleman (Scattered Site) 16	9672448242	FCG	1943 NW 60TH ST
Annie Coleman (Scattered Site) 16	9720388222	FCG	1740 NW 60TH ST
Haley Sofge Towers	682294	PPL GS-2	750 NW 13 AVE

Table G-6.4: Summary of Water/Sewer Frozen Rolling Base Accounts

Developments	Account Number	Service Address
Lemon City	8512382200	150 NE 69TH ST
Ward Towers	9973382200	2200 NW 54TH ST
Ward Towers	9784436244	2200 NW 54TH ST
Ward Towers ALF	6161774623	5301 NW 23RD AVE
Ward Towers ALF	2153018339	5301 NW 23RD AVE
Emmer Turnkey	1283482200	7820 N MIAMI AVE
Kline Nunn	8824482200	8300 N MIAMI AVE
Little River Plaza	7824482200	8255 NW MIAMI CT
Peters Plaza	8803382200	191 NE 75TH ST
Twin Lakes	7930382200	1205 NW 95TH ST
Palm Towers	0474482200	950 NW 95TH ST
Palm Towers	41771370802	950 NW 95 ST
Palm Court	5924482200	930 NW 95TH ST
Palm Court	41771373801	930 NW 95 ST
Opa Locka Elderly	02225-01	
Opa Locka Elderly	02226-01	
Opa Locka Elderly	02241-01	

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Developments	Account Number	Service Address
Opa Locka Elderly	02476-01	
Edison Plaza (Elderly)	4903382200	200 NW 55TH ST
Edison Plaza (Elderly)	3891835932	
Edison Plaza (Elderly)	4287689342	5510 NW 1ST PL
Jollivette	5321482200	6319 NW 24TH PL
Gwen Cherry 07	12482200	6750 NE 1ST CT
Gwen Cherry 07	8872382200	170 NE 67TH ST
Gwen Cherry 07	9902482200	6610 NE 1ST AVE
New Haven Gardens/Site 05	9149282200	101 NE 71ST ST
Scattered Sites - A	4083382200	2220 NW 52ND ST
Scattered Sites - A	8394382200	2635 NW 61ST ST
Little River Terrace	9824482200	8351 NW 5TH PL
Annie Coleman (Scattered Site) 14	2168382200	4755 NW 24TH AVE
Annie Coleman (Scattered Site) 14	3259382200	5300 NW 21ST AVE
Annie Coleman (Scattered Site) 14	4294382200	2485 NW 48TH ST
Annie Coleman (Scattered Site) 14	6164382200	2435 NW 50TH ST
Annie Coleman (Scattered Site) 14	6809382200	5200 NW 22ND AVE
Annie Coleman (Scattered Site) 14	6814382200	2285 NW 50TH ST
Annie Coleman (Scattered Site) 14	7814382200	2295 NW 51ST ST
Annie Coleman (Scattered Site) 14	8294382200	2510 NW 48TH ST
Annie Coleman (Scattered Site) 14	9709382200	5125 NW 22ND AVE
Annie Coleman (Scattered Site) 14	9714382200	2230 NW 50TH ST
Annie Coleman (Scattered Site) 14	9954382200	2301 NW 50TH ST
Annie Coleman (Scattered Site) 15	1359382200	5650 NW 22ND AVE
Annie Coleman (Scattered Site) 15	4499382200	5800 NW 25TH AVE
Annie Coleman (Scattered Site) 15	7294382200	2500 NW 58TH ST
Annie Coleman (Scattered Site) 16	294382200	2450 NW 63RD ST
Annie Coleman (Scattered Site) 16	301517947	2451 NW 66TH ST
Annie Coleman (Scattered Site) 16	707061320	2465 NW 66TH ST
Annie Coleman (Scattered Site) 16	1161236592	6610 NW 24TH CT
Annie Coleman (Scattered Site) 16	3082382200	1800 NW 60TH ST
Annie Coleman (Scattered Site) 16	3394382200	2590 NW 68TH ST
Annie Coleman (Scattered Site) 16	4164382200	2350 NW 63RD ST
Annie Coleman (Scattered Site) 16	4753244367	6601 NW 25TH AVE
Annie Coleman (Scattered Site) 16	4803382200	1900 NW 62ND ST
Annie Coleman (Scattered Site) 16	5394382200	2600 NW 68TH ST
Annie Coleman (Scattered Site) 16	6394382200	2601 NW 66TH ST
Annie Coleman (Scattered Site) 16	6993962762	2450 NW 67TH ST
Annie Coleman (Scattered Site) 16	7972382200	1740 NW 60TH ST
Liberty Square (2)	331382200	1301 NW 62ND ST
Liberty Square (2)	771382200	1319 NW 65TH ST
Liberty Square (2)	802482200	6515 NW 13TH CT
Liberty Square (2)	871382200	1360 NW 65TH TER
Liberty Square (2)	1321482200	6315 NW 13TH CT
Liberty Square (2)	1331382200	1301 NW 62ND TER
Liberty Square (2)	1431382200	1316 NW 62ND TER
Liberty Square (2)	1802482200	6515 NW 13TH PL
Liberty Square (2)	2321482200	6315 NW 13TH PL
Liberty Square (2)	2331382200	1301 NW 63RD TER
Liberty Square (2)	2431382200	1316 NW 63RD ST
Liberty Square (2)	2580482200	6215 NW 13TH CT
Liberty Square (2)	2671382200	1316 NW 67TH ST
Liberty Square (2)	2771382200	1319 NW 66TH ST
Liberty Square (2)	2871382200	1360 NW 67TH ST
Liberty Square (2)	3331382200	1301 NW 64TH ST
Liberty Square (2)	3431382200	1316 NW 63RD TER
Liberty Square (2)	3580482200	6215 NW 13TH PL
Liberty Square (2)	3871382200	1361 NW 62ND LN

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Developments	Account Number	Service Address
Liberty Square (2)	4231382200	1300 NW 64TH ST
Liberty Square (2)	4321482200	6316 NW 13TH PL
Liberty Square (2)	4331382200	1301 NW 65TH ST
Liberty Square (2)	4431382200	1316 NW 65TH TER
Liberty Square (2)	4671382200	1319 NW 62ND LN
Liberty Square (2)	4771382200	1360 NW 62ND TER
Liberty Square (2)	4871382200	1361 NW 62ND ST
Liberty Square (2)	5231382200	1300 NW 65TH TER
Liberty Square (2)	5331382200	1301 NW 65TH TER
Liberty Square (2)	5580482200	6216 NW 13TH PL
Liberty Square (2)	5680382200	1300 NW 62ND LN
Liberty Square (2)	5871382200	1361 NW 64TH ST
Liberty Square (2)	6231382200	1300 NW 66TH ST
Liberty Square (2)	6331382200	1301 NW 66TH ST
Liberty Square (2)	6671382200	1319 NW 62ND ST
Liberty Square (2)	6680382200	1300 NW 62ND TER
Liberty Square (2)	6802482200	6516 NW 13TH CT
Liberty Square (2)	6871382200	1361 NW 65TH ST
Liberty Square (2)	7231382200	1300 NW 67TH ST
Liberty Square (2)	7680382200	1300 NW 63RD ST
Liberty Square (2)	7871382200	1361 NW 66TH ST
Liberty Square (2)	8671382200	1319 NW 64TH ST
Liberty Square (2)	8680382200	1300 NW 63RD TER
Liberty Square (2)	8771382200	1360 NW 63RD TER
Liberty Square (2)	9231382200	1301 NW 62ND LN
Liberty Square (3)	99282200	1201 NW 63RD ST
Liberty Square (3)	140382200	1219 NW 66TH ST
Liberty Square (3)	321482200	6315 NW 12TH PKWY
Liberty Square (3)	680382200	1237 NW 62ND ST
Liberty Square (3)	1040382200	1212 NW 65TH ST
Liberty Square (3)	1140382200	1224 NW 63RD ST
Liberty Square (3)	1580482200	6215 NW 12TH PL
Liberty Square (3)	1680382200	1238 NW 62ND TER
Liberty Square (3)	1930382200	1202 NW 62ND LN
Liberty Square (3)	2140382200	1228 NW 65TH ST
Liberty Square (3)	2480382200	1232 NW 67TH ST
Liberty Square (3)	2580382200	1234 NW 65TH TER
Liberty Square (3)	2680382200	1239 NW 65TH TER
Liberty Square (3)	2830382200	1201 NW 64TH ST
Liberty Square (3)	2989282200	1200 NW 62ND TER
Liberty Square (3)	3040382200	1215 NW 63RD ST
Liberty Square (3)	3321482200	6316 NW 12TH CT
Liberty Square (3)	3580382200	1234 NW 66TH ST
Liberty Square (3)	3680382200	1239 NW 66TH ST
Liberty Square (3)	3930382200	1202 NW 64TH ST
Liberty Square (3)	3989282200	1200 NW 63RD ST
Liberty Square (3)	4040382200	1215 NW 65TH ST
Liberty Square (3)	4580382200	1235 NW 62ND TER
Liberty Square (3)	4580482200	6216 NW 12TH PL
Liberty Square (3)	4802482200	6516 NW 12TH PL
Liberty Square (3)	4830382200	1201 NW 65TH ST
Liberty Square (3)	4989282200	1200 NW 65TH ST
Liberty Square (3)	5040382200	1216 NW 65TH TER
Liberty Square (3)	5580382200	1235 NW 63RD ST
Liberty Square (3)	5930382200	1202 NW 66TH ST
Liberty Square (3)	5989282200	1202 NW 66TH ST
Liberty Square (3)	6040382200	1216 NW 67TH ST
Liberty Square (3)	6580382200	1235 NW 64TH ST

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Developments	Account Number	Service Address
Liberty Square (3)	6830382200	1201 NW 65TH TER
Liberty Square (3)	6989282200	1200 NW 67TH ST
Liberty Square (3)	7040382200	1218 NW 62ND TER
Liberty Square (3)	7580382200	1236 NW 62ND LN
Liberty Square (3)	7989282200	1201 NW 62ND LN
Liberty Square (3)	8040382200	1219 NW 62ND LN
Liberty Square (3)	8580382200	1236 NW 64TH ST
Liberty Square (3)	8989282200	1201 NW 62ND ST
Liberty Square (3)	9040382200	1219 NW 62ND ST
Liberty Square (3)	9480382200	1233 NW 65TH ST
Liberty Square (3)	9580382200	1237 NW 62ND LN
Liberty Square (3)	9702482200	6515 NW 12TH PL
Liberty Square (3)	9830382200	1201 NW 66TH ST
Liberty Square (3)	9930382200	1212 NW 63RD ST
Liberty Square (3)	9989282200	1201 NW 62ND TER
Liberty Square (5)	8412382200	1415 NW 63RD ST
Liberty Square (5)	240482200	6202 NW 14TH AVE
Liberty Square (5)	512382200	1418 NW 67TH ST
Liberty Square (5)	971382200	1401 NW 65TH ST
Liberty Square (5)	1240482200	6202 NW 14TH CT
Liberty Square (5)	1512382200	1419 NW 63RD ST
Liberty Square (5)	1861482200	6513 NW 14TH CT
Liberty Square (5)	1902482200	6534 NW 14TH AVE
Liberty Square (5)	2340482200	6213 NW 14TH CT
Liberty Square (5)	2512382200	1419 NW 65TH ST
Liberty Square (5)	2861482200	6514 NW 14TH AVE
Liberty Square (5)	2971382200	1402 NW 63RD ST
Liberty Square (5)	3512382200	1420 NW 63RD ST
Liberty Square (5)	3761482200	6501 NW 14TH CT #6
Liberty Square (5)	3861482200	6514 NW 14TH CT
Liberty Square (5)	4340482200	6214 NW 14TH CT
Liberty Square (5)	4412382200	1403 NW 62ND ST
Liberty Square (5)	4512382200	1420 NW 65TH ST
Liberty Square (5)	4761482200	6502 NW 14TH AVE
Liberty Square (5)	4902482200	6534 NW 14TH CT
Liberty Square (5)	5512382200	1431 NW 62ND ST
Liberty Square (5)	5761482200	6502 NW 14TH CT #6
Liberty Square (5)	6321482200	6332 NW 14TH CT
Liberty Square (5)	6412382200	1409 NW 65TH ST
Liberty Square (5)	6512382200	1432 NW 67TH ST
Liberty Square (5)	6680482200	6300 NW 14TH AVE
Liberty Square (5)	6771382200	6300 NW 14TH AVE
Liberty Square (5)	7321482200	6340 NW 14TH CT
Liberty Square (5)	7412382200	1410 NW 63RD ST
Liberty Square (5)	7580482200	6233 NW 14TH CT
Liberty Square (5)	7680482200	6302 NW 14TH CT
Liberty Square (5)	8580482200	1236 NW 64TH ST
Liberty Square (5)	8680482200	6304 NW 14TH AVE
Liberty Square (5)	9140482200	6201 NW 14TH CT
Liberty Square (5)	9221482200	6314 NW 14TH CT
Liberty Square (5)	9240482200	6212 NW 14TH AVE
Liberty Square (5)	9412382200	1417 NW 62ND ST
Liberty Square (5)	9580482200	6234 NW 14TH CT
Liberty Square (5)	9802482200	6533 NW 14TH CT
Liberty Square (5)	3438999284	
Edison Courts	395382200	350 NW 66TH ST
Edison Courts	1395382200	350 NW 67TH ST
Edison Courts	2294382200	247 NW 65TH ST

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Developments	Account Number	Service Address
Edison Courts	3421482200	6401 NW 2ND CT
Edison Courts	4421482200	6401 NW 3RD CT
Edison Courts	5294382200	249 NW 64TH ST
Edison Courts	5421482200	6405 NW 4TH AVE
Edison Courts	5902482200	6600 NW 2ND PL
Edison Courts	6294382200	250 NW 67TH ST
Edison Courts	6421482200	6406 NW 2ND CT
Edison Courts	6902482200	6601 NW 2ND CT
Edison Courts	6973382200	216 NW 65TH TER
Edison Courts	7164382200	
Edison Courts	7295382200	347 NW 64TH ST
Edison Courts	7661482200	6415 NW 2ND CT
Edison Courts	7902482200	6601 NW 4TH AVE
Edison Courts	7903382200	201 NW 64TH ST
Edison Courts	8295382200	349 NW 65TH ST
Edison Courts	8902482200	6605 NW 2ND CT
Edison Courts	9294382200	252 NW 64TH ST
Edison Courts	9295382200	350 NW 64TH ST
Edison Courts	9355382200	325 NW 62ND ST
Model Cities - C (Scattered Sites)	283482200	7655 NW 17TH AVE
Victory Homes (Scattered Sites)	28382200	411 NW 73RD ST
Victory Homes (Scattered Sites)	140482200	611 NW 73RD TER
Victory Homes (Scattered Sites)	259382200	530 NW 73RD LN
Victory Homes (Scattered Sites)	421482200	640 NW 74TH ST
Victory Homes (Scattered Sites)	586916797	500 NW 72ND LN
Victory Homes (Scattered Sites)	599382200	600 NW 74TH ST
Victory Homes (Scattered Sites)	605232594	601 NW 74TH TER
Victory Homes (Scattered Sites)	680482200	626 NW 72ND LN
Victory Homes (Scattered Sites)	699382200	610 NW 73RD ST
Victory Homes (Scattered Sites)	761482200	650 NW 74TH ST
Victory Homes (Scattered Sites)	780482200	631 NW 73RD LN
Victory Homes (Scattered Sites)	844743484	600 NW 72ND LN
Victory Homes (Scattered Sites)	858382200	431 NW 72ND ST
Victory Homes (Scattered Sites)	861482200	651 NW 74TH TER
Victory Homes (Scattered Sites)	918382200	391 NW 72ND LN
Victory Homes (Scattered Sites)	933482200	7311 NW 3RD PL
Victory Homes (Scattered Sites)	1028382200	420 NW 72ND LN
Victory Homes (Scattered Sites)	1068382200	450 NW 73RD TER
Victory Homes (Scattered Sites)	1140482200	611 NW 74TH ST
Victory Homes (Scattered Sites)	1259382200	530 NW 73RD TER
Victory Homes (Scattered Sites)	1353010422	7301 NW 4TH AVE
Victory Homes (Scattered Sites)	1421482200	640 NW 74TH TER
Victory Homes (Scattered Sites)	1599382200	600 NW 74TH TER
Victory Homes (Scattered Sites)	1680482200	630 NW 72ND LN
Victory Homes (Scattered Sites)	1761482200	650 NW 74TH TER
Victory Homes (Scattered Sites)	1780482200	631 NW 73RD ST
Victory Homes (Scattered Sites)	1858382200	431 NW 73RD ST
Victory Homes (Scattered Sites)	1909382200	521 NW 73RD ST
Victory Homes (Scattered Sites)	1933482200	7311 NW 4TH AVE
Victory Homes (Scattered Sites)	1958382200	440 NW 73RD TER
Victory Homes (Scattered Sites)	1980110244	600 NW 73RD LN
Victory Homes (Scattered Sites)	2028382200	420 NW 73RD ST
Victory Homes (Scattered Sites)	2140482200	611 NW 74TH TER
Victory Homes (Scattered Sites)	2152994645	631 NW 74TH TER
Victory Homes (Scattered Sites)	2237035591	610 NW 72ND LN
Victory Homes (Scattered Sites)	2240482200	621 NW 73RD LN
Victory Homes (Scattered Sites)	2259382200	530 NW 74TH TER
Victory Homes (Scattered Sites)	2359382200	566 NW 72ND LN

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Developments	Account Number	Service Address
Victory Homes (Scattered Sites)	2421482200	640 NW 75TH ST
Victory Homes (Scattered Sites)	2599382200	600 NW 75TH ST
Victory Homes (Scattered Sites)	2609382200	500 NW 73RD TER
Victory Homes (Scattered Sites)	2680482200	630 NW 73RD ST
Victory Homes (Scattered Sites)	2699382200	610 NW 74TH ST
Victory Homes (Scattered Sites)	2709382200	510 NW 72ND LN
Victory Homes (Scattered Sites)	2809382200	520 NW 72ND LN
Victory Homes (Scattered Sites)	2818382200	390 NW 72ND LN
Victory Homes (Scattered Sites)	2833482200	7261 NW 3RD CT
Victory Homes (Scattered Sites)	2918382200	391 NW 74TH ST
Victory Homes (Scattered Sites)	2933482200	7320 NW 4TH AVE
Victory Homes (Scattered Sites)	2950663507	450 NW 73RD ST
Victory Homes (Scattered Sites)	3028382200	420 NW 74TH ST
Victory Homes (Scattered Sites)	3140482200	620 NW 72ND LN
Victory Homes (Scattered Sites)	3240482200	621 NW 73RD TER
Victory Homes (Scattered Sites)	3359382200	570 NW 72ND LN
Victory Homes (Scattered Sites)	3599382200	601 NW 73RD LN
Victory Homes (Scattered Sites)	3661482200	641 NW 73RD ST
Victory Homes (Scattered Sites)	3680482200	630 NW 73RD TER
Victory Homes (Scattered Sites)	3699382200	610 NW 74TH TER
Victory Homes (Scattered Sites)	3809382200	520 NW 73RD ST
Victory Homes (Scattered Sites)	3833482200	7270 NW 3RD CT
Victory Homes (Scattered Sites)	3933482200	7321 NW 4TH AVE
Victory Homes (Scattered Sites)	4028382200	420 NW 75TH ST
Victory Homes (Scattered Sites)	4140482200	620 NW 73RD ST
Victory Homes (Scattered Sites)	4259382200	531 NW 73RD LN
Victory Homes (Scattered Sites)	4274046273	
Victory Homes (Scattered Sites)	4359382200	570 NW 73RD ST
Victory Homes (Scattered Sites)	4599382200	601 NW 73RD ST
Victory Homes (Scattered Sites)	4609382200	500 NW 73RD ST
Victory Homes (Scattered Sites)	4661482200	641 NW 73RD TER
Victory Homes (Scattered Sites)	4680482200	630 NW 74TH ST
Victory Homes (Scattered Sites)	4699382200	610 NW 75TH ST
Victory Homes (Scattered Sites)	4709382200	510 NW 73RD ST
Victory Homes (Scattered Sites)	4809382200	520 NW 73RD TER
Victory Homes (Scattered Sites)	4818382200	390 NW 73RD ST
Victory Homes (Scattered Sites)	4833482200	7271 NW 3RD CT
Victory Homes (Scattered Sites)	4958382200	441 NW 72ND LN
Victory Homes (Scattered Sites)	5028382200	421 NW 72ND LN
Victory Homes (Scattered Sites)	5140482200	620 NW 73RD TER
Victory Homes (Scattered Sites)	5240482200	621 NW 74TH ST
Victory Homes (Scattered Sites)	5259382200	531 NW 73RD ST
Victory Homes (Scattered Sites)	5287789357	601 NW 73RD TER
Victory Homes (Scattered Sites)	5359382200	570 NW 73RD TER
Victory Homes (Scattered Sites)	5599382200	601 NW 74TH ST
Victory Homes (Scattered Sites)	5661482200	641 NW 74TH ST
Victory Homes (Scattered Sites)	5680482200	630 NW 74TH TER
Victory Homes (Scattered Sites)	5709382200	510 NW 73RD TER
Victory Homes (Scattered Sites)	5809382200	520 NW 75TH ST
Victory Homes (Scattered Sites)	5833482200	7300 NW 3RD PL
Victory Homes (Scattered Sites)	5918382200	398 NW 72ND LN
Victory Homes (Scattered Sites)	6028382200	421 NW 73RD ST
Victory Homes (Scattered Sites)	6068382200	451 NW 72ND LN
Victory Homes (Scattered Sites)	6140482200	620 NW 74TH ST
Victory Homes (Scattered Sites)	6168382200	501 NW 72ND LN
Victory Homes (Scattered Sites)	6168477559	650 NW 75TH ST
Victory Homes (Scattered Sites)	6259382200	531 NW 73RD TER
Victory Homes (Scattered Sites)	6359382200	571 NW 73RD ST

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Developments	Account Number	Service Address
Victory Homes (Scattered Sites)	6397260803	621 NW 73RD ST
Victory Homes (Scattered Sites)	6580482200	622 NW 72ND LN
Victory Homes (Scattered Sites)	6661482200	641 NW 74TH TER
Victory Homes (Scattered Sites)	6709382200	511 NW 72ND LN
Victory Homes (Scattered Sites)	6761482200	651 NW 73RD LN
Victory Homes (Scattered Sites)	6818382200	390 NW 74TH ST
Victory Homes (Scattered Sites)	6833482200	7300 NW 4TH AVE
Victory Homes (Scattered Sites)	6858382200	440 NW 72ND LN
Victory Homes (Scattered Sites)	6918382200	401 NW 73RD ST
Victory Homes (Scattered Sites)	6923239949	631 NW 73RD TER
Victory Homes (Scattered Sites)	6958382200	441 NW 73RD ST
Victory Homes (Scattered Sites)	7028382200	421 NW 74TH ST
Wynwood Elderly	2325382200	3000 NW 3RD AVE
Parkside I & II	2395382200	357 NW 3RD ST
Parkside I & II	3295382200	333 NW 4TH AVE
Phyllis Wheatley	972382200	1701 NW 2ND CT
Claude Pepper	3083482200	750 NW 18TH TER
Helen Sawyer Plaza, ALF	8889282200	1150 NW 11TH STREET RD
Haley Sofge Towers	43482200	750 NW 13TH AVE
Haley Sofge Towers	8933482200	750 NW 13TH AVE
Donn Gardens	3803382200	1871 NW 28TH ST
Abe Arronovitz	7082382200	1840 NW 28TH ST
Scattered Site 9 - D	6355382200	3169 NW 21ST AVE
Scattered Site 11 - D	9803382200	1919 NW 29TH ST
Three Round Towers	9225382200	2920 NW 18TH AVE
Falk Turnkey	168382200	455 SW 16TH AVE
Jose Marti Plaza	5742382200	154 SW 17TH AVE
Joe Moretti	2283482200	801 SW 6TH ST
Joe Moretti	3283482200	802 SW 6TH ST
Joe Moretti	3924482200	920 SW 2ND AVE
Joe Moretti	4068382200	450 SW 5TH ST
Joe Moretti	4924482200	920 SW 2ND AVE
Joe Moretti	7259382200	535 SW 6TH AVE
Joe Moretti	7918382200	404 SW 6TH AVE
Joe Moretti	8709382200	512 SW 4TH AVE
Harry Cain	3168382200	490 NE 2ND AVE
Harry Cain	1168382200	460 NE 2ND AVE
Gwen Cherry 23 - C (Scattered)	6903382200	2001 NW 4TH CT
Rainbow Village	13382200	2100 NW 3RD AVE
Rainbow Village	8355382200	321 NW 20TH ST
Culmer Place	6599382200	601 NW 8TH ST
Gwen Cherry 08	455382200	3277 NW 11TH PL
Gwen Cherry 08	889282200	1114 NW 33RD ST
Gwen Cherry 08	989282200	1166 NW 33RD ST
Gwen Cherry 08	1455382200	3290 NW 11TH CT
Gwen Cherry 08	1889282200	1120 NW 33RD ST
Gwen Cherry 08	2455382200	3291 NW 11TH CT
Gwen Cherry 08	2889282200	1125 NW 33RD ST
Gwen Cherry 08	4295382200	3333 NW 11TH CT
Gwen Cherry 08	4455382200	3301 NW 11TH CT
Gwen Cherry 08	4889282200	1130 NW 33RD ST
Gwen Cherry 08	5295382200	3345 NW 11TH CT
Gwen Cherry 12	5225382200	2772 NW 11TH AVE
Gwen Cherry 12	7225382200	2840 NW 10TH AVE
Gwen Cherry 13	3140382200	1231 NW 24TH ST
Gwen Cherry 13	8231382200	1301 NW 24TH ST
Gwen Cherry 14	903382200	1925 NW 23RD ST
Gwen Cherry 14	5164382200	2401 NW 21ST AVE

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Developments	Account Number	Service Address
Gwen Cherry 15	8954382200	2301 NW 23RD CT
Gwen Cherry 16	8903382200	2015 NW 18TH TER
Biscayne Plaza	2612382200	15201 SW 288TH ST
Homestead Gardens	367525163115	560 SW 15 AVE - HOME
Homestead Gardens	367925163325	
Homestead Gardens	368395163555	
Homestead Gardens	368935163785	
Homestead Gardens	369385163995	
Homestead Gardens	369935164255	
Homestead Gardens	370325164455	
Homestead Gardens	370735164665	
Perrine Villas	6149282200	10000 W JESSAMINE ST
Moody Gardens	4502737200	26900 SW 135TH AVE
Moody Gardens	9394382200	26800 SW 135TH AVE
Goulds Plaza	6889282200	11499 SW 213TH ST
South Miami	6502737200	6700 SW 59TH PL
South Miami	7502737200	5901 SW 68TH ST
Perrine Gardens	5149282200	10000 W EVERGREEN ST
Perrine Gardens	6972382200	17305 SW 102ND AVE
Naranja	7394382200	26201 SW 139TH AVE
Arthur Mays Village	841047200	22002 SW 115TH CT
Arthur Mays Village	941047200	22191 SW 115TH CT
Arthur Mays Village	1841047200	22001 SW 117TH AVE
Arthur Mays Village	1941047200	22115 SW 117TH AVE
Arthur Mays Village	2841047200	22001 SW 115TH CT
Arthur Mays Village	2941047200	22143 SW 116TH AVE
Arthur Mays Village	3841047200	22000 SW 116TH AVE
Arthur Mays Village	4841047200	22201 SW 116TH AVE
Arthur Mays Village	4941047200	22131 SW 116TH AVE
Arthur Mays Village	5540773789	22101 SW 116TH AVE
Arthur Mays Village	5811047200	22175 SW 116TH AVE
Arthur Mays Village	5889282200	11351 SW 216TH ST
Arthur Mays Village	6811047200	22171 SW 115TH CT
Arthur Mays Village	6841047200	22201 SW 115TH CT
Arthur Mays Village	7259273944	22141 SW 115TH CT
Arthur Mays Village	7811047200	22145 SW 117TH AVE
Arthur Mays Village	8811047200	22001 SW 116TH AVE
Arthur Mays Village	8841047200	22225 SW 116TH AVE
Arthur Mays Village	9741047200	22065 SW 115TH CT
Arthur Mays Village	9811047200	22075 SW 117TH AVE
Arthur Mays Village	9841047200	22225 SW 115TH CT

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Appendix G-7: Utility Allowance Adjustments

Tenant Utility Allowance Adjustments

The amounts of the adjustments are detailed in this Appendix G-7.

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APPENDIX H
STANDARDS OF COMFORT AND SERVICE

In so far as these conditions are affected by the Scope of Work included in this Agreement:

Heating & Cooling

Control of space temperature shall be maintained, subject to local building and occupancy codes, as follows:

Occupied cooling set point = 76°F
Occupied heating set point = 68°F

Domestic Hot Water

Control of domestic hot water temperature shall be maintained, subject to local building and occupancy codes, as follows:

110° F to 130° F

Lighting

The proposed lighting retrofits included in Appendix B of the ESA were selected to either meet or exceed existing light fixture rated lumen output, based on manufacturer-published data. At the option of the PHA and in accordance with Appendix K of the ESA, Ameresco can provide sample lighting retrofit installations, taking pre- and post-retrofit lumen readings and making any adjustment necessary to these readings to account for the initial burn-in period and degradation of the lighting systems over time.

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APPENDIX I - GUARANTEE

CONDITIONAL ENERGY SAVINGS GUARANTEE BY AMERESCO TO MIAMI-DADE COUNTY – PUBLIC HOUSING AND COMMUNITY DEVELOPMENT

Subsequent to the Execution Date and the closing of the Construction Financing and throughout the Term of the Project Operation Phase, as each of these terms is defined in the Energy Services Agreement ("ESA") between Ameresco, Inc. and the Miami-Dade County – Public Housing and Community Development ("PHA") dated , Ameresco guarantees that PHA shall realize sufficient electricity, natural gas (or fuel oil, if applicable), and water /sewer consumption savings set forth in Appendices D and G, and valued at the higher of current utility rates or the rates provided in Appendix G-4 ("Monitoring and Savings Verification Plan") to the ESA, as approved by the U.S. Department of Housing and Urban Development ("HUD") in the written approval dated _____, and contained within Appendix L to the ESA, to fulfill PHA's obligations to make annual installment payments as specified in the Construction Financing agreement (as defined in the ESA) and to cover the Incremental Maintenance Costs as set forth in Appendix D. Ameresco reserves the right to reduce its Annual Services Fee as required to meet its annual savings guarantee. Ameresco's guarantee does not extend to the impact of HUD pro-ration or other budget adaptations on PHA's operating fund incentives.

If, in a given year (every twelve consecutive months from the commencement of repayment of the Construction Financing), the total electricity, natural gas, fuel oil and water/sewer savings as specified above are less than the installment payments as specified in the Construction Financing agreement, Ameresco shall pay PHA the value of the difference. Should a Guarantee payment be required, payment shall be made within thirty (30) days of each Annual Reconciliation, as that term is defined in the ESA.

Calculations of delivered costs per unit of energy shall be consistent with the methodology contained within Appendix G of the ESA, as approved by HUD in the written approval attached to the ESA as Appendix L. Interest rates and financing terms shall be consistent with those within Appendix D of the ESA and the Construction Financing agreement. In the event Appendices D and G are amended by mutual agreement, the guaranteed Energy Savings provided by the ESA shall be as provided in such amendment.

Measurement, verification and computation of Energy Savings shall be consistent with the ESA and Appendices to the ESA as approved by HUD and, subject to the foregoing, PHA agrees that such methodology is acceptable.

Ameresco shall conduct an annual Reconciliation of Energy Savings as provided for in the ESA.

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This Guarantee is subject to the satisfactory performance by PHA of its obligations under the ESA including, but not limited to, the provisions of Sections (9) f. and g. regarding Material Changes and Adjustments, as well as the maintenance obligations set forth in Section (11). This Guarantee and all of Ameresco's obligations hereunder shall terminate upon termination or expiration of the ESA and/or an Event of Default by PHA, unless otherwise provided in the ESA.

AMERESCO, Inc.

By: _____

Date: _____

Title: _____

APPENDIX J
NOTICE TO PROCEED

[ON PHA LETTERHEAD]

Ms./Mr. _____
TITLE
Ameresco, Inc.
111 Speen Street, Suite 410
Framingham, MA 01701

SUBJECT: NOTICE TO PROCEED

Dear Ms./Mr. _____

In accordance with Section (5) of our Energy Services Agreement dated_____, Miami-Dade County – Public Housing and Community Development hereby submits to Ameresco, Inc. ("Ameresco") this Notice to Proceed in relation to the Scope of Services defined in the aforementioned Agreement.

Sincerely,

MIAMI-DADE COUNTY – PUBLIC HOUSING AND COMMUNITY DEVELOPMENT

Name: _____

Title: _____

Date: _____

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APPENDIX K
SAMPLE INSTALLATION APPROVAL CERTIFICATE

[ON PHA LETTERHEAD]

Ms./Mr. _____
TITLE
Ameresco, Inc., Suite 410
111 Speen Street, Framingham, MA 01701

Re: Energy Services Agreement ECM # ___ Test Installation Acceptance Certificate

Dear Ms./Mr. _____

The Miami-Dade County – Public Housing and Community Development ("PHA") has reviewed samples of certain Energy Conservation Measures ("ECMs"), to be installed pursuant to the above referenced Agreement, as set forth in the list attached hereto.

PHA hereby approves such sample installation ECMs and, if applicable, their respective aesthetics and performance [lighting] levels, for installation in the following DEVELOPMENTS:

_____
_____
_____
_____
_____

Ameresco, Inc. ("Ameresco") and any investor in the project or lender to Ameresco may rely upon PHA's approval herein for the purpose of procuring such ECMs to be used in the performance of the Agreement.

Very truly yours,

MIAMI-DADE COUNTY – PUBLIC HOUSING AND COMMUNITY DEVELOPMENT

Name: _____

Title: _____

Date: _____

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APPENDIX L
HUD APPROVAL LETTER

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APPENDIX M
PROJECT MILESTONES

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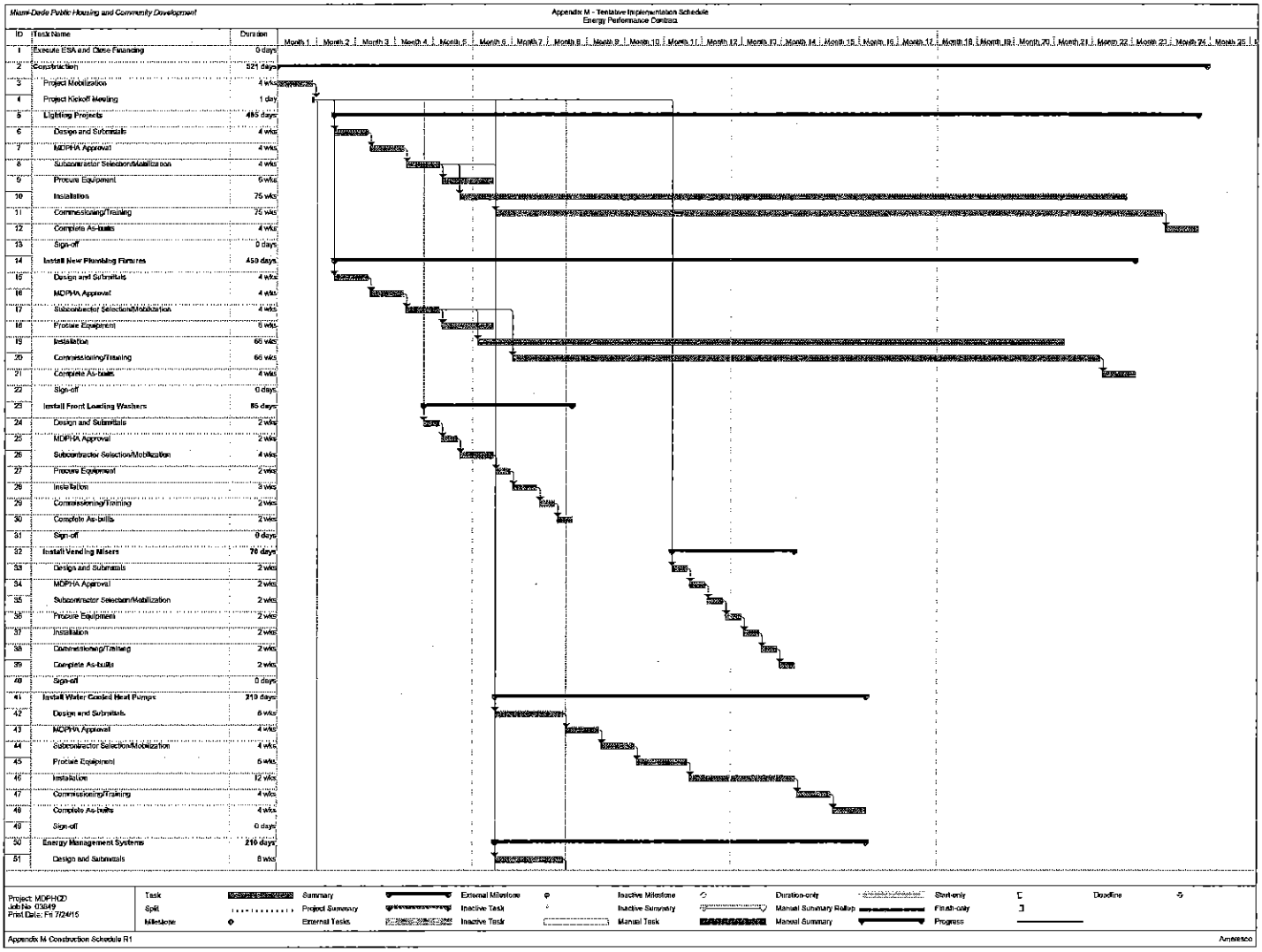
Miami-Dade Public Housing and Community Development
Appendix M - Tentative Implementation Schedule
Energy Performance Contract
ID
Task Name
Duration
1 Execute ESA and Close Financing 0 days
2 Construction 521 days
3 Project Mobilization 4 wks
4 Project Kickoff Meeting 1 day
5 Lighting Projects 485 days
6 Design and Submittals 4 wks
7 MDPHA Approval 4 wks
8 Subcontractor Selection/Mobilization 4 wks
9 Procure Equipment 6 wks
10 Installation 75 wks
11 Commissioning/Training 75 wks
12 Complete As-builts 4 wks
13 Sign-off 0 days
14 Install New Plumbing Fixtures 450 days
15 Design and Submittals 4 wks
16 MDPHA Approval 4 wks
17 Subcontractor Selection/Mobilization 4 wks
18 Procure Equipment 6 wks
19 Installation 66 wks
20 Commissioning/Training 66 wks
21 Complete As-builts 4 wks
22 Sign-off 0 days
23 Install Front Loading Washers 85 days
24 Design and Submittals 2 wks
25 MDPHA Approval 2 wks
26 Subcontractor Selection/Mobilization 4 wks
27 Procure Equipment 2 wks
28 Installation 3 wks
29 Commissioning/Training 2 wks
30 Complete As-builts 2 wks
31 Sign-off 0 days
32 Install Vending Misers 70 days
33 Design and Submittals 2 wks
34 MDPHA Approval 2 wks
35 Subcontractor Selection/Mobilization 2 wks
36 Procure Equipment 2 wks
37 Installation 2 wks
38 Commissioning/Training 2 wks
39 Complete As-builts 2 wks
40 Sign-off 0 days
41 Install Water Cooled Heat Pumps 310 days
42 Design and Submittals 6 wks
43 MDPHA Approval 4 wks
44 Subcontractor Selection/Mobilization 4 wks
45 Procure Equipment 6 wks
46 Installation 12 wks
47 Commissioning/Training 4 wks
48 Complete As-builts 4 wks
49 Sign-off 0 days
50 Energy Management Systems 210 days
51 Design and Submittals 8 wks
Month 1 Month 2 Month 3 Month 4 Month 5 Month 6 Month 7 Month 8 Month 9 Month 10 Month 11 Month 12 Month 13 Month 14 Month 15 Month 16 Month 17 Month 18 Month 19 Month 20 Month 21 Month 22 Month 23 Month 24 Month 25
Project: MDPHCD
Job No: 03649
Print Date: Fri 7/24/15
Task
Split
Milestone
Summary
Project Summary
External Tasks
External Milestone
Inactive Task
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
Progress
Deadline
Appendix M Construction Schedule R1
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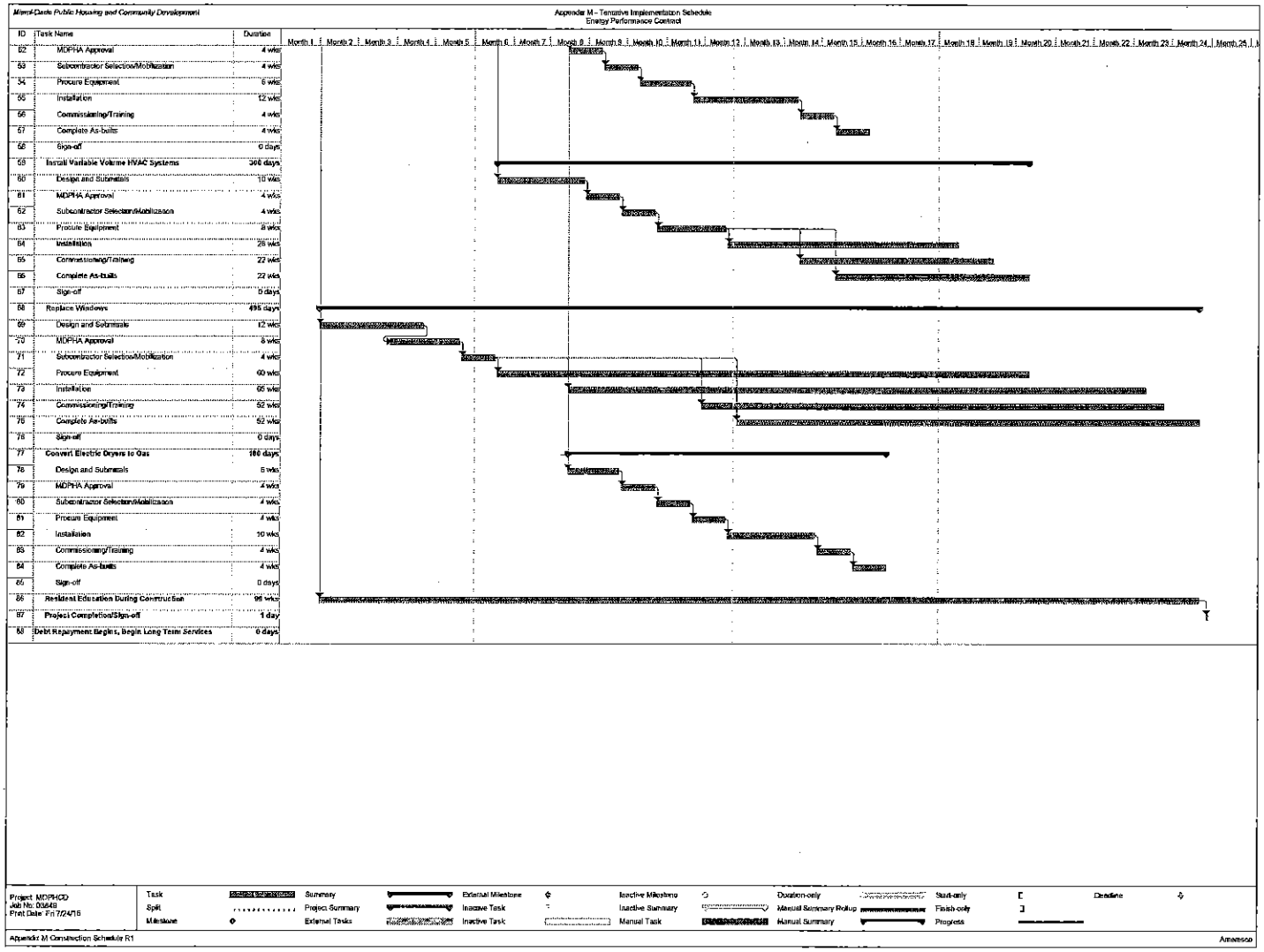
Mount Clarke Public Housing and Community Development
Appendix M - Tentative Implementation Schedule
Energy Performance Contract
ID
Task Name
Duration
62 MDPHA Approval 4 wks
63 Subcontractor Selection/Mobilization 4 wks
64 Procure Equipment 6 wks
65 Installation 12 wks
66 Commissioning/Training 4 wks
67 Complete As-builts 4 wks
68 Sign-off 0 days
69 Install Variable Volume HVAC Systems 366 days
70 Design and Submittals 10 wks
71 MDPHA Approval 4 wks
72 Subcontractor Selection/Mobilization 4 wks
73 Procure Equipment 8 wks
74 Installation 26 wks
75 Commissioning/Training 22 wks
76 Complete As-builts 22 wks
77 Sign-off 0 days
78 Replace Windows 496 days
79 Design and Submittals 12 wks
80 MDPHA Approval 8 wks
81 Subcontractor Selection/Mobilization 4 wks
82 Procure Equipment 60 wks
83 Installation 65 wks
84 Commissioning/Training 52 wks
85 Complete As-builts 52 wks
86 Sign-off 0 days
87 Convert Electric Dryers to Gas 166 days
88 Design and Submittals 6 wks
89 MDPHA Approval 4 wks
90 Subcontractor Selection/Mobilization 4 wks
91 Procure Equipment 4 wks
92 Installation 10 wks
93 Commissioning/Training 4 wks
94 Complete As-builts 4 wks
95 Sign-off 0 days
96 Resident Education During Construction 99 wks
97 Project Completion/Sign-off 1 day
98 Debt Repayment Begins, Begin Long Term Services 0 days
Month 1 Month 2 Month 3 Month 4 Month 5 Month 6 Month 7 Month 8 Month 9 Month 10 Month 11 Month 12 Month 13 Month 14 Month 15 Month 16 Month 17 Month 18 Month 19 Month 20 Month 21 Month 22 Month 23 Month 24 Month 25
Project: MDPHCD
Job No: 03449
Print Date: Fri 7/24/15
Task
Split
Milestone
Summary
Project Summary
External Tasks
External Milestone
Inactive Task
Inactive Task
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
Progress
Deadline
Appendix M Construction Schedule R1
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APPENDIX N
HUD GENERAL CONDITIONS FOR THE CONTRACT FOR CONSTRUCTION (FORM 5370 – EXP. 1-31-2017)

"Page content is subject to Confidentiality Restrictions"

General Conditions for Construction Contracts - Public Housing Programs

U.S. Department of Housing and Urban Development
Office of Public and Indian Housing
OMB Approval No. 2577-0157 (exp. 1/31/2017)

Applicability. This form is applicable to any construction/development contract greater than $100,000.

This form includes those clauses required by OMB's common rule on grantee procurement, implemented at HUD in 24 CFR 85.36, and those requirements set forth in Section 3 of the Housing and Urban Development Act of 1968 and its amendment by the Housing and Community Development Act of 1992, implemented by HUD at 24 CFR Part 135. The form is required for construction contracts awarded by Public Housing Agencies (PHAs).
The form is used by Housing Authorities in solicitations to provide necessary contract clauses. If the form were not used, HAs would be unable to enforce their contracts.
Public reporting burden for this collection of information is estimated to average 1.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Responses to the collection of information are required to obtain a benefit or to retain a benefit.
The information requested does not lend itself to confidentiality.
HUD may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB number.

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1. Definitions

(a) "Architect" means the person or other entity engaged by the PHA to perform architectural, engineering, design, and other services related to the work as provided for in the contract. When a PHA uses an engineer to act in this capacity, the terms "architect" and "engineer" shall be synonymous. The Architect shall serve as a technical representative of the Contracting Officer. The Architect's authority is as set forth elsewhere in this contract.

(b) "Contract" means the contract entered into between the PHA and the Contractor. It includes the forms of Bid, the Bid Bond, the Performance and Payment Bond or Bonds or other assurance of completion, the Certifications, Representations, and Other Statements of Bidders (form HUD-5370), these General Conditions of the Contract for Construction (form HUD-5370), the applicable wage rate determinations from the U.S. Department of Labor, any special conditions included elsewhere in the contract, the specifications, and drawings. It includes all formal changes to any of those documents by addendum, change order, or other modification.

(c) "Contracting Officer" means the person delegated the authority by the PHA to enter into, administer, and/or terminate this contract and designated as such in writing to the Contractor. The term includes any successor Contracting Officer and any duly authorized representative of the Contracting Officer also designated in writing. The Contracting Officer shall be deemed the authorized agent of the PHA in all dealings with the Contractor.

(d) "Contractor" means the person or other entity entering into the contract with the PHA to perform all of the work required under the contract.

(e) "Drawings" means the drawings enumerated in the schedule of drawings contained in the Specifications and as described in the contract clause entitled Specifications and Drawings for Construction herein.

(f) "HUD" means the United States of America acting through the Department of Housing and Urban Development including the Secretary, or any other person designated to act on its behalf. HUD has agreed, subject to the provisions of an Annual Contributions Contract (ACC), to provide financial assistance to the PHA, which includes assistance in financing the work to be performed under this contract. As defined elsewhere in these General Conditions or the contract documents, the determination of HUD may be required to authorize changes in the work or for release of funds to the PHA for payment to the Contractor. Notwithstanding HUD's role, nothing in this contract shall be construed to create any contractual relationship between the Contractor and HUD.

(g) "Project" means the entire project, whether construction or rehabilitation, the work for which is provided for in whole or in part under this contract.

(h) "PHA" means the Public Housing Agency organized under applicable state laws which is a party to this contract.

(j) "Specifications" means the written description of the technical requirements for construction and includes the criteria and tests for determining whether the requirements are met.

(l) "Work" means materials, workmanship, and manufacture and fabrication of components.

2. Contractor's Responsibility for Work

(a) The Contractor shall furnish all necessary labor, materials, tools, equipment, and transportation necessary for performance of the work. The Contractor shall also furnish all necessary water, heat, light, and power not made available to the Contractor by the PHA pursuant to the clause entitled Availability and Use of Utility Services herein.

(b) The Contractor shall perform on the site, and with its own organization, work equivalent to at least [ ] (12 percent unless otherwise indicated) of the total amount of work to be performed under the order. This percentage may be reduced by a supplemental agreement to this order if, during performing the work, the Contractor requests a reduction and the Contracting Officer determines that the reduction would be to the advantage of the PHA.

(c) At all times during performance of this contract and until the work is completed and accepted, the Contractor shall directly superintend the work or assign and have on the work site a competent superintendent who is satisfactory to the Contracting Officer and has authority to act for the Contractor.

(d) The Contractor shall be responsible for all damages to persons or property that occur as a result of the Contractor's fault or negligence, and shall take proper safety and health precautions to protect the work, the workers, the public, and the property of others. The Contractor shall hold and save the PHA, its officers and agents, free and harmless from liability of any nature occasioned by the Contractor's performance. The Contractor shall also be responsible for all materials delivered and work performed until completion and acceptance of the entire work, except for any completed unit of work which may have been accepted under the contract.

(e) The Contractor shall lay out the work from base lines and bench marks indicated on the drawings and be responsible for all lines, levels, and measurements of all work executed under the contract. The Contractor shall verify the figures before laying out the work and will be held responsible for any error resulting from its failure to do so.

(f) The Contractor shall confine all operations (including storage of materials) on PHA premises to areas authorized or approved by the Contracting Officer.

(g) The Contractor shall at all times keep the work area, including storage areas, free from accumulations of waste materials. After completing the work and before final inspection, the Contractor shall (1) remove from the premises all scaffolding, equipment, tools, and materials (including rejected materials) that are not the property of the PHA and all rubbish caused by its work; (2) leave the work area in a clean, neat, and orderly condition satisfactory to the Contracting Officer; (3) perform all specified tests; and, (4) deliver the installation in complete and operating condition.

(h) The Contractor's responsibility will terminate when all work has been completed, the final inspection made, and the work accepted by the Contracting Officer. The Contractor will then be released from further obligation except as required by the warranties specified elsewhere in the contract.

3. Architect's Duties, Responsibilities, and Authority

(a) The Architect for this contract, and any successor, shall be designated in writing by the Contracting Officer.

(b) The Architect shall serve as the Contracting Officer's technical representative with respect to architectural, engineering, and design matters related to the work performed under the contract. The Architect may provide direction on contract performance. Such direction shall be within the scope of the contract and may not be of a nature which: (1) institutes additional work outside the scope of the contract; (2) constitutes a change as defined in the Changes clause herein; (3) causes an increase or decrease in the cost of the contract; (4) alters the Construction Progress Schedule; or (5) changes any of the other express terms or conditions of the contract.

(c) The Architect's duties and responsibilities may include but shall not be limited to:

(1) Making periodic visits to the work site, and on the basis of his/her on-site inspections, issuing written reports to the PHA which shall include all observed deficiencies. The Architect shall file a copy of the report with the Contractor's designated representative at the site;

(2) Making modifications in drawings and technical specifications and assisting the Contracting Officer in the preparation of change orders and other contract modifications for issuance by the Contracting Officer;

(3) Reviewing and making recommendations with respect to - (i) the Contractor's construction progress schedules; (ii) the Contractor's shop and detailed drawings; (iii) the machinery, mechanical and other equipment and materials or other articles proposed for use by the Contractor; and, (iv) the Contractor's price breakdown and progress payment estimates; and

(4) Assisting in inspections, signing Certificates of Completion, and making recommendations with respect to acceptance of work completed under the contract.

4. Other Contracts

The PHA may undertake or award other contracts for additional work at or near the site of the work under this contract. The Contractor shall fully cooperate with the other contractors and with PHA employees and shall carefully adapt scheduling and performing the work under this contract to accommodate the additional work, heeding any direction that may be provided by the Contracting Officer. The Contractor shall not commit or permit any act that will interfere with the performance of work by any other contractor or by PHA employees

Construction Requirements

5. Pre-construction Conference and Notice to Proceed

(a) Within ten calendar days of contract execution, and prior to the commencement of work, the Contractor shall attend a preconstruction conference with representatives of the PHA, its Architect, and other interested parties convened by the PHA. The conference will serve to acquaint the participants with the general plan of the construction operation and all other requirements of the contract. The PHA will provide the Contractor with the date, time, and place of the conference.

(b) The contractor shall begin work upon receipt of a written Notice to Proceed from the Contracting Officer or designee. The Contractor shall not begin work prior to receiving such notice.

6. Construction Progress Schedule

(a) The Contractor shall, within five days after the work commences on the contract or another period of time determined by the Contracting Officer, prepare and submit to the Contracting Officer for approval three copies of a practicable schedule showing the order in which the Contractor proposes to perform the work, and the dates on which the Contractor contemplates starting and completing the several salient features of the work (including acquiring labor, materials, and equipment). The schedule shall be in the form of a progress chart of suitable scale to indicate appropriately the percentage of work scheduled for completion by any given date during the period. If the Contractor fails to submit a schedule within the time prescribed, the Contracting Officer may withhold approval of progress payments or take other remedies under the contract until the Contractor submits the required schedule.

(b) The Contractor shall enter the actual progress on the chart as required by the Contracting Officer, and immediately deliver three copies of the annotated schedule to the Contracting Officer. If the Contracting Officer determines, upon the basis of inspection conducted pursuant to the clause entitled Inspection and Acceptance of Construction, herein that the Contractor is not meeting the approved schedule, the Contractor shall take steps necessary to improve its progress, including those that may be required by the Contracting Officer, without additional cost to the PHA. In this circumstance, the Contracting Officer may require the Contractor to increase the number of shifts, overtime operations, days of work, and/or the amount of construction plant, and to submit for approval any supplementary schedule or schedules in chart form as the Contracting Officer deems necessary to demonstrate how the approved rate of progress will be regained.

(c) Failure of the Contractor to comply with the requirements of the Contracting Officer under this clause shall be grounds for a determination by the Contracting Officer that the Contractor is not prosecuting the work with sufficient diligence to ensure completion within the time specified in the Contract. Upon making this determination, the Contracting Officer may terminate the Contractor's right to proceed with the work, or any separable part of it, in accordance with the Default clause of this contract.

7. Site Investigation and Conditions Affecting the Work

(a) The Contractor acknowledges that it has taken steps reasonably necessary to ascertain the nature and location of the work, and that it has investigated and satisfied itself as to the general and local conditions which can affect the work or its cost, including but not limited to, (1) conditions bearing upon transportation, disposal, handling, and storage of materials; (2) the availability of labor, water, electric power, and roads;(3) uncertainties of weather, river stages, tides, or similar physical conditions at the site; (4) the conformation and conditions of the ground; and (5) the character of equipment and facilities needed preliminary to and during work performance. The Contractor also acknowledges that it has satisfied itself as to the character, quality, and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information is

reasonably ascertainable from an inspection of the site, including all exploratory work done by the PHA, as well as from the drawings and specifications made a part of this contract. Any failure of the Contractor to take the actions described and acknowledged in this paragraph will not relieve the Contractor from responsibility for estimating properly the difficulty and cost of successfully performing the work, or for proceeding to successfully perform the work without additional expense to the PHA.

(b) The PHA assumes no responsibility for any conclusions or interpretations made by the Contractor based on the information made available by the PHA. Nor does the PHA assume responsibility for any understanding reached or representation made concerning conditions which can affect the work by any of its officers or agents before the execution of this contract, unless that understanding or representation is expressly stated in this contract.

8. Differing Site Conditions

(a) The Contractor shall promptly, and before the conditions are disturbed, give a written notice to the Contracting Officer of (1) subsurface or latent physical conditions at the site which differ materially from those indicated in this contract, or (2) unknown physical conditions at the site(s), of an unusual nature, which differ materially from those ordinarily encountered and generally recognized as inhering in work of the character provided for in the contract.

(b) The Contracting Officer shall investigate the site conditions promptly after receiving the notice. Work shall not proceed at the affected site, except at the Contractor's risk, until the Contracting Officer has provided written instructions to the Contractor. If the conditions do materially so differ and cause an increase or decrease in the Contractor's cost of, or the time required for, performing any part of the work under this contract, whether or not changed as a result of the conditions, the Contractor shall file a claim in writing to the PHA within ten days after receipt of such instructions and, in any event, before proceeding with the work. An equitable adjustment in the contract price, the delivery schedule, or both shall be made under this clause and the contract modified in writing accordingly.

(c) No request by the Contractor for an equitable adjustment to the contract under this clause shall be allowed, unless the Contractor has given the written notice required; provided, that the time prescribed in (a) above for giving written notice may be extended by the Contracting Officer.

(d) No request by the Contractor for an equitable adjustment to the contract for differing site conditions shall be allowed if made after final payment under this contract.

9. Specifications and Drawings for Construction

(a) The Contractor shall keep on the work site a copy of the drawings and specifications and shall at all times give the Contracting Officer access thereto. Anything mentioned in the specifications and not shown on the drawings, or shown on the drawings and not mentioned in the specifications, shall be of like effect as if shown or mentioned in both. In case of difference between drawings and specifications, the specifications shall govern. In case of discrepancy in the figures, in the drawings, or in the specifications, the matter shall be promptly submitted to the Contracting Officer, who shall promptly make a determination in writing. Any adjustment by the Contractor without such a determination shall be at its own risk and expense. The Contracting Officer shall furnish from time to time such detailed drawings and other information as considered necessary, unless otherwise provided.

(b) Wherever in the specifications or upon the drawings the words "directed", "required", "ordered", "designated", "prescribed", or words of like import are used, it shall be understood that the "direction", "requirement", "order", "designation", or "prescription", of the Contracting Officer is intended and similarly the words "approved", "acceptable", "satisfactory", or words of like import shall mean "approved by", or "acceptable to", or "satisfactory to" the Contracting Officer, unless otherwise expressly stated.

(c) Where " shown" " indicated", " detailed", or words of similar import are used, it shall be understood that the reference is made to the drawings accompanying this contract unless stated otherwise. The word "provided" as used herein shall be understood to mean "provide complete in place" that is "furnished and installed".

(d) "Shop drawings" means drawings, submitted to the PHA by the Contractor, subcontractor, or any lower tier subcontractor, showing in detail (1) the proposed fabrication and assembly of structural elements and (2) the installation (i.e., form, fit, and attachment details) of materials of equipment. It includes drawings, diagrams, layouts, schematics, descriptive literature, illustrations, schedules, performance and test data, and similar materials furnished by the Contractor to explain in detail specific portions of the work required by the contract. The PHA may duplicate, use, and disclose in any manner and for any purpose shop drawings delivered under this contract.

(e) If this contract requires shop drawings, the Contractor shall coordinate all such drawings, and review them for accuracy, completeness, and compliance with other contract requirements and shall indicate its approval thereon as evidence of such coordination and review. Shop drawings submitted to the Contracting Officer without evidence of the Contractor's approval may be returned for resubmission. The Contracting Officer will indicate an approval or disapproval of the shop drawings and if not approved as submitted shall indicate the PHA's reasons therefore. Any work done before such approval shall be at the Contractor's risk. Approval by the Contracting Officer shall not relieve the Contractor from responsibility for any errors or omissions in such drawings, nor from responsibility for complying with the requirements of this contract, except with respect to variations described and approved in accordance with (f) below.

(f) If shop drawings show variations from the contract requirements, the Contractor shall describe such variations in writing, separate from the drawings, at the time of submission. If the Architect approves any such variation and the Contracting Officer concurs, the Contracting Officer shall issue an appropriate modification to the contract, except that, if the variation is minor or does not involve a change in price or in time of performance, a modification need not be issued.

(g) It shall be the responsibility of the Contractor to make timely requests of the PHA for such large scale and full size drawings, color schemes, and other additional information, not already in his possession, which shall be

required in the planning and production of the work. Such requests may be submitted as the need arises, but each such request shall be filed in ample time to permit appropriate action to be taken by all parties involved so as to avoid delay.

(h) The Contractor shall submit to the Contracting Officer for approval four copies (unless otherwise indicated) of all shop drawings as called for under the various headings of these specifications. Three sets (unless otherwise indicated) of all shop drawings, will be retained by the PHA and one set will be returned to the Contractor. As required by the Contracting Officer, the Contractor, upon completing the work under this contract, shall furnish a complete set of all shop drawings as finally approved. These drawings shall show all changes and revisions made up to the time the work is completed and accepted.

(i) This clause shall be included in all subcontracts at any tier. It shall be the responsibility of the Contractor to ensure that all shop drawings prepared by subcontractors are submitted to the Contracting Officer.

10. As-Built Drawings

(a) "As-built drawings," as used in this clause, means drawings submitted by the Contractor or subcontractor at any tier to show the construction of a particular structure or work as actually completed under the contract. "As-built drawings" shall be synonymous with "Record drawings."

(b) As required by the Contracting Officer, the Contractor shall provide the Contracting Officer accurate information to be used in the preparation of permanent as-built drawings. For this purpose, the Contractor shall record on one set of contract drawings all changes from the installations originally indicated, and record final locations of underground lines by depth from finish grade and by accurate horizontal offset distances to permanent surface improvements such as buildings, curbs, or edges of walks.

(c) This clause shall be included in all subcontracts at any tier. It shall be the responsibility of the Contractor to ensure that all as-built drawings prepared by subcontractors are submitted to the Contracting Officer.

11. Material and Workmanship

(a) All equipment, material, and articles furnished under this contract shall be new and of the most suitable grade for the purpose intended, unless otherwise specifically provided in this contract. References in the contract to equipment, material, articles, or patented processes by trade name, make, or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. The Contractor may, at its option, use any equipment, material, article, or process that, in the judgment of, and as approved by the Contracting Officer, is equal to that named in the specifications, unless otherwise specifically provided in this contract.

(b) Approval of equipment and materials.

(1) The Contractor shall obtain the Contracting Officer's approval of the machinery and mechanical and other equipment to be incorporated into the work. When requesting approval, the Contractor shall furnish to the Contracting Officer the name of the manufacturer, the model number, and other information concerning the performance, capacity, nature, and rating of the machinery and mechanical and other equipment. When required by this contract or by the Contracting Officer, the Contractor shall also obtain the Contracting Officer's approval of the material or articles which the Contractor contemplates incorporating into the work. When requesting approval, the Contractor shall provide full information concerning the material or articles. Machinery, equipment, material, and articles that do not have the required approval shall be installed or used at the risk of subsequent rejection.

(2) When required by the specifications or the Contracting Officer, the Contractor shall submit appropriately marked samples (and certificates related to them) for approval at the Contractor's expense, with all shipping charges prepaid. The Contractor shall label, or otherwise properly mark on the container, the material or product represented, its place of origin, the name of the producer, the Contractor's name, and the identification of the construction project for which the material or product is intended to be used.

(3) Certificates shall be submitted in triplicate, describing each sample submitted for approval and certifying that the material, equipment or accessory complies with contract requirements. The certificates shall include the name and brand of the product, name of manufacturer, and the location where produced.

(4) Approval of a sample shall not constitute a waiver of the PHA right to demand full compliance with contract requirements. Materials, equipment and accessories may be rejected for cause even though samples have been approved.

(5) Wherever materials are required to comply with recognized standards or specifications, such specifications shall be accepted as establishing the technical qualities and testing methods, but shall not govern the number of tests required to be made nor modify other contract requirements. The Contracting Officer may require laboratory test reports on items submitted for approval or may approve materials on the basis of data submitted in certificates with samples. Check tests will be made on materials delivered for use only as frequently as the Contracting Officer determines necessary to insure compliance of materials with the specifications. The Contractor will assume all costs of retesting materials which fail to meet contract requirements and/or testing materials offered in substitution for those found deficient.

(6) After approval, samples will be kept in the Project office until completion of work. They may be built into the work after a substantial quantity of the materials they represent has been built in and accepted.

(c) Requirements concerning lead-based paint. The Contractor shall comply with the requirements concerning lead-based paint contained in the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. 4821-4846) as implemented by 24 CFR Part 35.

12. Permits and Codes

(a) The Contractor shall give all notices and comply with all applicable laws, ordinances, codes, rules and regulations. Notwithstanding the requirement of the Contractor to comply with the drawings and specifications in the contract, all work installed shall comply with all applicable codes and regulations as amended by any

waivers. Before installing the work, the Contractor shall examine the drawings and the specifications for compliance with applicable codes and regulations bearing on the work and shall immediately report any discrepancy it may discover to the Contracting Officer. Where the requirements of the drawings and specifications fail to comply with the applicable code or regulation, the Contracting Officer shall modify the contract by change order pursuant to the clause entitled Changes herein to conform to the code or regulation.

(b) The Contractor shall secure and pay for all permits, fees, and licenses necessary for the proper execution and completion of the work. Where the PHA can arrange for the issuance of all or part of these permits, fees and licenses, without cost to the Contractor, the contract amount shall be reduced accordingly.

13. Health, Safety, and Accident Prevention

(a) In performing this contract, the Contractor shall:
(1) Ensure that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his/her health and/or safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation;
(2) Protect the lives, health, and safety of other persons;
(3) Prevent damage to property, materials, supplies, and equipment; and,
(4) Avoid work interruptions.

(b) For these purposes, the Contractor shall:
(1) Comply with regulations and standards issued by the Secretary of Labor at 29 CFR Part 1926. Failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act (Public Law 91-54, 83 Stat. 96), 40 U.S.C. 3701 et seq.; and
(2) Include the terms of this clause in every subcontract so that such terms will be binding on each subcontractor.

(c) The Contractor shall maintain an accurate record of exposure data on all accidents incident to work performed under this contract resulting in death, traumatic injury, occupational disease, or damage to property, materials, supplies, or equipment, and shall report this data in the manner prescribed by 29 CFR Part 1904.

(d) The Contracting Officer shall notify the Contractor of any noncompliance with these requirements and of the corrective action required. This notice, when delivered to the Contractor or the Contractor's representative at the site of the work, shall be deemed sufficient notice of the noncompliance and corrective action required. After receiving the notice, the Contractor shall immediately take corrective action. If the Contractor fails or refuses to take corrective action promptly, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. The Contractor shall not base any claim or request for equitable adjustment for additional time or money on any stop order issued under these circumstances.

(e) The Contractor shall be responsible for its subcontractors' compliance with the provisions of this clause. The Contractor shall take such action with respect to any subcontract as the PHA, the Secretary of Housing and Urban Development, or the Secretary of Labor shall direct as a means of enforcing such provisions.

14. Temporary Heating

The Contractor shall provide and pay for temporary heating, covering, and enclosures necessary to properly protect all work and materials against damage by dampness and cold, to dry out the work, and to facilitate the completion of the work. Any permanent heating equipment used shall be turned over to the PHA in the condition and at the time required by the specifications.

15. Availability and Use of Utility Services

(a) The PHA shall make all reasonably required amounts of utilities available to the Contractor from existing outlets and supplies, as specified in the contract. Unless otherwise provided in the contract, the amount of each utility service consumed shall be charged to or paid for by the Contractor at prevailing rates charged to the PHA or, where the utility is produced by the PHA, at reasonable rates determined by the Contracting Officer. The Contractor shall carefully conserve any utilities furnished without charge.

(b) The Contractor, at its expense and in a manner satisfactory to the Contracting Officer, shall install and maintain all necessary temporary connections and distribution lines, and all meters required to measure the amount of each utility used for the purpose of determining charges. Before final acceptance of the work by the PHA, the Contractor shall remove all the temporary connections, distribution lines, meters, and associated paraphernalia.

16. Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements

(a) The Contractor shall preserve and protect all structures, equipment, and vegetation (such as trees, shrubs, and grass) on or adjacent to the work site, which are not to be removed under this contract, and which do not unreasonably interfere with the work required under this contract.

(b) The Contractor shall only remove trees when specifically authorized to do so, and shall avoid damaging vegetation that will remain in place. If any limbs or branches of trees are broken during performance of this contract, or by the careless operation of equipment, or by workmen, the Contractor shall trim those limbs or branches with a clean cut and paint the cut with a tree-pruning compound as directed by the Contracting Officer.

(c) The Contractor shall protect from damage all existing improvements and utilities (1) at or near the work site and (2) on adjacent property of a third party, the locations of which are made known to or should be known by the Contractor. Prior to disturbing the ground at the construction site, the Contractor shall ensure that all underground utility lines are clearly marked.

(d) The Contractor shall shore up, brace, underpin, secure, and protect as necessary all foundations and other parts of existing structures adjacent to, adjoining, and in the vicinity of the site, which may be affected by the excavations or other operations connected with the construction of the project.

(e) Any equipment temporarily removed as a result of work under this contract shall be protected, cleaned, and replaced in the same condition as at the time of award of this contract.

(f) New work which connects to existing work shall correspond in all respects with that to which it connects and/or be similar to existing work unless otherwise required by the specifications.
(g) No structural members shall be altered or in any way weakened without the written authorization of the Contracting Officer, unless such work is clearly specified in the plans or specifications.
(h) If the removal of the existing work exposes discolored or unfinished surfaces, or work out of alignment, such surfaces shall be refinished, or the material replaced as necessary to make the continuous work uniform and harmonious. This, however, shall not be construed to require the refinishing or reconstruction of dissimilar finishes previously exposed, or finished surfaces in good condition, but in different planes or on different levels when brought together by the removal of intervening work, unless such refinishing or reconstruction is specified in the plans or specifications.
(i) The Contractor shall give all required notices to any adjoining or adjacent property owner or other party before the commencement of any work.
(j) The Contractor shall indemnify and save harmless the PHA from any damages on account of settlement or the loss of lateral support of adjoining property, any damages from changes in topography affecting drainage, and from all loss or expense and all damages for which the PHA may become liable in consequence of such injury or damage to adjoining and adjacent structures and their premises.
(k) The Contractor shall repair any damage to vegetation, structures, equipment, utilities, or improvements, including those that are the property of a third party, resulting from failure to comply with the requirements of this contract or failure to exercise reasonable care in performing the work. If the Contractor fails or refuses to repair the damage promptly, the Contracting Officer may have the necessary work performed and charge the cost to the Contractor.

17. Temporary Buildings and Transportation of Materials

(a) Temporary buildings (e.g., storage sheds, shops, offices, sanitary facilities) and utilities may be erected by the Contractor only with the approval of the Contracting Officer and shall be built with labor and materials furnished by the Contractor without expense to the PHA. The temporary buildings and utilities shall remain the property of the Contractor and shall be removed by the Contractor at its expense upon completion of the work. With the written consent of the Contracting Officer, the buildings and utilities may be abandoned and need not be removed.
(b) The Contractor shall, as directed by the Contracting Officer, use only established roadways, or use temporary roadways constructed by the Contractor when and as authorized by the Contracting Officer. When materials are transported in prosecuting the work, vehicles shall not be loaded beyond the loading capacity recommended by the manufacturer of the vehicle or prescribed by any federal, state, or local law or regulation. When it is necessary to cross curbs or sidewalks, the Contractor shall protect them from damage. The Contractor shall repair or pay for the repair of any damaged curbs, sidewalks, or roads.

18. Clean Air and Water

The contactor shall comply with the Clean Air Act, as amended, 42 USC 7401 et seq., the Federal Water Pollution Control Water Act, as amended, 33 U.S.C. 1251 et seq., and standards issued pursuant thereto in the facilities in which this contract is to be performed.

19. Energy Efficiency

The Contractor shall comply with mandatory standards and policies relating to energy efficiency which are contained in the energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub.L. 94-163) for the State in which the work under the contract is performed.

20. Inspection and Acceptance of Construction

(a) Definitions. As used in this clause -
(1) "Acceptance" means the act of an authorized representative of the PHA by which the PHA approves and assumes ownership of the work performed under this contract. Acceptance may be partial or complete.
(2) "Inspection" means examining and testing the work performed under the contract (including, when appropriate, raw materials, equipment, components, and intermediate assemblies) to determine whether it conforms to contract requirements.
(3) "Testing" means that element of inspection that determines the properties or elements, including functional operation of materials, equipment, or their components, by the application of established scientific principles and procedures.
(b) The Contractor shall maintain an adequate inspection system and perform such inspections as will ensure that the work performed under the contract conforms to contract requirements. All work is subject to PHA inspection and test at all places and at all reasonable times before acceptance to ensure strict compliance with the terms of the contract.
(c) PHA inspections and tests are for the sole benefit of the PHA and do not: (1) relieve the Contractor of responsibility for providing adequate quality control measures; (2) relieve the Contractor of responsibility for loss or damage of the material before acceptance; (3) constitute or imply acceptance; or, (4) affect the continuing rights of the PHA after acceptance of the completed work under paragraph (j) below.
(d) The presence or absence of the PHA inspector does not relieve the Contractor from any contract requirement, nor is the inspector authorized to change any term or condition of the specifications without the Contracting Officer's written authorization. All instructions and approvals with respect to the work shall be given to the Contractor by the Contracting Officer.
(e) The Contractor shall promptly furnish, without additional charge, all facilities, labor, and material reasonably needed for performing such safe and convenient inspections and tests as may be required by the Contracting Officer. The PHA may charge to the Contractor any additional cost of inspection or test when work is not ready at the time specified by the Contractor for inspection or test, or when prior rejection makes reinspection or retest necessary. The PHA shall perform all inspections and tests in a manner that will not unnecessarily delay the work. Special, full size, and performance tests shall be performed as described in the contract.

(f) The PHA may conduct routine inspections of the construction site on a daily basis.

(g) The Contractor shall, without charge, replace or correct work found by the PHA not to conform to contract requirements, unless the PHA decides that it is in its interest to accept the work with an appropriate adjustment in contract price. The Contractor shall promptly segregate and remove rejected material from the premises.

(h) If the Contractor does not promptly replace or correct rejected work, the PHA may (1) by contract or otherwise, replace or correct the work and charge the cost to the Contractor, or (2) terminate for default the Contractor's right to proceed.

(i) If any work requiring inspection is covered up without approval of the PHA, it must, if requested by the Contracting Officer, be uncovered at the expense of the Contractor. If at any time before final acceptance of the entire work, the PHA considers it necessary or advisable, to examine work already completed by removing or tearing it out, the Contractor, shall on request, promptly furnish all necessary facilities, labor, and material. If such work is found to be defective or nonconforming in any material respect due to the fault of the Contractor or its subcontractors, the Contractor shall defray all the expenses of the examination and of satisfactory reconstruction. If, however, such work is found to meet the requirements of the contract, the Contracting Officer shall make an equitable adjustment to cover the cost of the examination and reconstruction, including, if completion of the work was thereby delayed, an extension of time.

(j) The Contractor shall notify the Contracting Officer, in writing, as to the date when in its opinion all or a designated portion of the work will be substantially completed and ready for inspection. If the Architect determines that the state of preparedness is as represented, the PHA will promptly arrange for the inspection. Unless otherwise specified in the contract, the PHA shall accept, as soon as practicable after completion and inspection, all work required by the contract or that portion of the work the Contracting Officer determines and designates can be accepted separately. Acceptance shall be final and conclusive except for latent defects, fraud, gross mistakes amounting to fraud, or the PHA's right under any warranty or guarantee.

21. Use and Possession Prior to Completion

(a) The PHA shall have the right to take possession of or use any completed or partially completed part of the work. Before taking possession of or using any work, the Contracting Officer shall furnish the Contractor a list of items of work remaining to be performed or corrected on those portions of the work that the PHA intends to take possession of or use. However, failure of the Contracting Officer to list any item of work shall not relieve the Contractor of responsibility for complying with the terms of the contract. The PHA's possession or use shall not be deemed an acceptance of any work under the contract.

(b) While the PHA has such possession or use, the Contractor shall be relieved of the responsibility for (1) the loss of or damage to the work resulting from the PHA's possession or use, notwithstanding the terms of the clause entitled Permits and Codes herein; (2) all maintenance costs on the areas occupied; and, (3) furnishing heat, light, power, and water used in the areas occupied without proper remuneration therefore. If prior possession or use by the PHA delays the progress of the work or causes additional expense to the Contractor, an equitable adjustment shall be made in the contract price or the time of completion, and the contract shall be modified in writing accordingly.

22. Warranty of Title

The Contractor warrants good title to all materials, supplies, and equipment incorporated in the work and agrees to deliver the premises together with all improvements thereon free from any claims, liens or charges, and agrees further that neither it nor any other person, firm or corporation shall have any right to a lien upon the premises or anything appurtenant thereto.

23. Warranty of Construction

(a) In addition to any other warranties in this contract, the Contractor warrants, except as provided in paragraph (j) of this clause, that work performed under this contract conforms to the contract requirements and is free of any defect in equipment, material, or workmanship performed by the Contractor or any subcontractor or supplier at any tier. This warranty shall continue for a period of _____ (one year unless otherwise indicated) from the date of final acceptance of the work. If the PHA takes possession of any part of the work before final acceptance, this warranty shall continue for a period of (one year unless otherwise indicated) from the date that the PHA takes possession.

(b) The Contractor shall remedy, at the Contractor's expense, any failure to conform, or any defect. In addition, the Contractor shall remedy, at the Contractor's expense, any damage to PHA-owned or controlled real or personal property when the damage is the result of—
  (1) The Contractor's failure to conform to contract requirements; or
  (2) Any defects of equipment, material, workmanship or design furnished by the Contractor.

(c) The Contractor shall restore any work damaged in fulfilling the terms and conditions of this clause. The Contractor's warranty with respect to work repaired or replaced will run for (one year unless otherwise indicated) from the date of repair or replacement.

(d) The Contracting Officer shall notify the Contractor, in writing, within a reasonable time after the discovery of any failure, defect or damage.

(e) If the Contractor fails to remedy any failure, defect, or damage within a reasonable time after receipt of notice, the PHA shall have the right to replace, repair or otherwise remedy the failure, defect, or damage at the Contractor's expense.

(f) With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for work performed and materials furnished under this contract, the Contractor shall:
  (1) Obtain all warranties that would be given in normal commercial practice;
  (2) Require all warranties to be executed in writing, for the benefit of the PHA; and,
  (3) Enforce all warranties for the benefit of the PHA.

(g) In the event the Contractor's warranty under paragraph (a) of this clause has expired, the PHA may bring suit at its own expense to enforce a subcontractor's, manufacturer's or supplier's warranty.

(h) Unless a defect is caused by the negligence of the Contractor or subcontractor or supplier at any tier, the Contractor shall not be liable for the repair of any defect of material or design furnished by the PHA nor for the repair of any damage that results from any defect in PHA furnished material or design.

(i) Notwithstanding any provisions herein to the contrary, the establishment of the time periods in paragraphs (a) and (c) above relate only to the specific obligation of the Contractor to correct the work, and have no relationship to the time within which its obligation to comply with the contract may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to its obligation other than specifically to correct the work.

(j) This warranty shall not limit the PHA's rights under the Inspection and Acceptance of Construction clause of this contract with respect to latent defects, gross mistakes or fraud.

24. Prohibition Against Liens

The Contractor is prohibited from placing a lien on the PHA's property. This prohibition shall apply to all subcontractors at any tier and all materials suppliers.

Administrative Requirements

25. Contract Period

The Contractor shall complete all work required on this contract within calendar days of the effective date of the contract, or within the time schedule established in the notice to proceed issued by the Contracting Officer.

26. Order of Provisions

In the event of a conflict between these General Conditions and the Specifications, the General Conditions shall prevail. In the event of a conflict between the contract and any applicable state or local law or regulation, the state or local law or regulation shall prevail; provided that such state or local law or regulation does not conflict with, or is less restrictive than applicable federal law, regulation, or Executive Order. In the event of such a conflict, applicable federal law, regulation, and Executive Order shall prevail.

27. Payments

(a) The PHA shall pay the Contractor the price as provided in this contract.

(b) The PHA shall make progress payments approximately every 30 days as the work proceeds, on estimates of work accomplished which meets the standards of quality established under the contract, as approved by the Contracting Officer. The PHA may, subject to written determination and approval of the Contracting Officer, make more frequent payments to contractors which are qualified small businesses.

(c) Before the first progress payment under this contract, the Contractor shall furnish, in such detail as requested by the Contracting Officer, a breakdown of the total contract price showing the amount included therein for each principal category of the work, which shall substantiate the payment amount requested in order to provide a basis for determining progress payments. The breakdown shall be approved by the Contracting Officer and must be acceptable to HUD. If the contract covers more than one project, the Contractor shall furnish a separate breakdown for each. The values and quantities employed in making up this breakdown are for determining the amount of progress payments and shall not be construed as a basis for additions to or deductions from the contract price. The Contractor shall prorate its overhead and profit over the construction period of the contract.

(d) The Contractor shall submit, on forms provided by the PHA, periodic estimates showing the value of the work performed during each period based upon the approved breakdown of the contract price. Such estimates shall be submitted not later than _____ days in advance of the date set for payment and are subject to correction and revision as required. The estimates must be approved by the Contracting Officer with the concurrence of the Architect prior to payment. If the contract covers more than one project, the Contractor shall furnish a separate progress payment estimate for each.

(e) Along with each request for progress payments and the required estimates, the Contractor shall furnish the following certification, or payment shall not be made: I hereby certify, to the best of my knowledge and belief, that:

(1) The amounts requested are only for performance in accordance with the specifications, terms, and conditions of the contract;

(2) Payments to subcontractors and suppliers have been made from previous payments received under the contract, and timely payments will be made from the proceeds of the payment covered by this certification, in accordance with subcontract agreements; and,

(3) This request for progress payments does not include any amounts which the prime contractor intends to withhold or retain from a subcontractor or supplier in accordance with the terms and conditions of the subcontract.

_____

Name:

_____

Title:

_____

Date:

(f) Except as otherwise provided in State law, the PHA shall retain ten (10) percent of the amount of progress payments until completion and acceptance of all work under the contract; except, that if upon completion of 50 percent of the work, the Contracting Officer, after consulting with the Architect, determines that the Contractor's performance and progress are satisfactory, the PHA may make the remaining payments in full for the work subsequently completed. If the Contracting Officer subsequently determines that the Contractor's performance and progress are unsatisfactory, the PHA shall reinstate the ten (10) percent (or other percentage as provided in State law) retainage until such time as the Contracting Officer determines that performance and progress are satisfactory.

(g) The Contracting Officer may authorize material delivered on the site and preparatory work done to be taken into consideration when computing progress payments.

Material delivered to the Contractor at locations other than the site may also be taken into consideration if the Contractor furnishes satisfactory evidence that (1) it has acquired title to such material; (2) the material is properly stored in a bonded warehouse, storage yard, or similar suitable place as may be approved by the Contracting Officer; (3) the material is insured to cover its full value; and (4) the material will be used to perform this contract. Before any progress payment which includes delivered material is made, the Contractor shall furnish such documentation as the Contracting Officer may require to assure the protection of the PHA's interest in such materials. The Contractor shall remain responsible for such stored material notwithstanding the transfer of title to the PHA.

(h) All material and work covered by progress payments made shall, at the time of payment become the sole property of the PHA, but this shall not be construed as (1) relieving the Contractor from the sole responsibility for all material and work upon which payments have been made or the restoration of any damaged work; or, (2) waiving the right of the PHA to require the fulfillment of all of the terms of the contract. In the event the work of the Contractor has been damaged by other contractors or persons other than employees of the PHA in the course of their employment, the Contractor shall restore such damaged work without cost to the PHA and to seek redress for its damage only from those who directly caused it.

(i) The PHA shall make the final payment due the Contractor under this contract after (1) completion and final acceptance of all work; and (2) presentation of release of all claims against the PHA arising by virtue of this contract, other than claims, in stated amounts, that the Contractor has specifically excepted from the operation of the release. Each such exception shall embrace no more than one claim, the basis and scope of which shall be clearly defined. The amounts for such excepted claims shall not be included in the request for final payment. A release may also be required of the assignee if the Contractor's claim to amounts payable under this contract has been assigned.

(j) Prior to making any payment, the Contracting Officer may require the Contractor to furnish receipts or other evidence of payment from all persons performing work and supplying material to the Contractor, if the Contracting Officer determines such evidence is necessary to substantiate claimed costs.

(k) The PHA shall not; (1) determine or adjust any claims for payment or disputes arising there under between the Contractor and its subcontractors or material suppliers; or, (2) withhold any moneys for the protection of the subcontractors or material suppliers. The failure or refusal of the PHA to withhold moneys from the Contractor shall in nowise impair the obligations of any surety or sureties under any bonds furnished under this contract.

28. Contract Modifications

(a) Only the Contracting Officer has authority to modify any term or condition of this contract. Any contract modification shall be authorized in writing.

(b) The Contracting Officer may modify the contract unilaterally (1) pursuant to a specific authorization stated in a contract clause (e.g., Changes); or (2) for administrative matters which do not change the rights or responsibilities of the parties (e.g., change in the PHA address). All other contract modifications shall be in the form of supplemental agreements signed by the Contractor and the Contracting Officer.

(c) When a proposed modification requires the approval of HUD prior to its issuance (e.g., a change order that exceeds the PHA's approved threshold), such modification shall not be effective until the required approval is received by the PHA.

29. Changes

(a) The Contracting Officer may, at any time, without notice to the sureties, by written order designated or indicated to be a change order, make changes in the work within the general scope of the contract including changes:
(1)In the specifications (including drawings and designs);
(2)In the method or manner of performance of the work;
(3) PHA-furnished facilities, equipment, materials, services, or site; or,
(4) Directing the acceleration in the performance of the work.

(b) Any other written order or oral order (which, as used in this paragraph (b), includes direction, instruction, interpretation, or determination) from the Contracting Officer that causes a change shall be treated as a change order under this clause; provided, that the Contractor gives the Contracting Officer written notice stating (1) the date, circumstances and source of the order and (2) that the Contractor regards the order as a change order.

(c) Except as provided in this clause, no order, statement or conduct of the Contracting Officer shall be treated as a change under this clause or entitle the Contractor to an equitable adjustment.

(d) If any change under this clause causes an increase or decrease in the Contractor's cost of, or the time required for the performance of any part of the work under this contract, whether or not changed by any such order, the Contracting Officer shall make an equitable adjustment and modify the contract in writing. However, except for a adjustment based on defective specifications, no proposal for any change under paragraph (b) above shall be allowed for any costs incurred more than 20 days (5 days for oral orders) before the Contractor gives written notice as required. In the case of defective specifications for which the PHA is responsible, the equitable adjustment shall include any increased cost reasonably incurred by the Contractor in attempting to comply with the defective specifications.

(e) The Contractor must assert its right to an adjustment under this clause within 30 days after (1) receipt of a written change order under paragraph (a) of this clause, or (2) the furnishing of a written notice under paragraph (b) of this clause, by submitting a written statement describing the general nature and the amount of the proposal. If the facts justify it, the Contracting Officer may extend the period for submission. The proposal may be included in the notice required under paragraph (b) above. No proposal by the Contractor for an equitable adjustment shall be allowed if asserted after final payment under this contract.

(f) The Contractor's written proposal for equitable adjustment shall be submitted in the form of a lump sum proposal supported with an itemized breakdown of all increases and decreases in the contract in at least the following details:

(1) Direct Costs. Materials (list individual items, the quantity and unit cost of each, and the aggregate cost); Transportation and delivery costs associated with materials; Labor breakdowns by hours or unit costs (identified with specific work to be performed); Construction equipment exclusively necessary for the change; Costs of preparation and/ or revision to shop drawings resulting from the change; Worker's Compensation and Public Liability Insurance; Employment taxes under FICA and FUTA; and, Bond Costs when size of change warrants revision.

(2) Indirect Costs. Indirect costs may include overhead, general and administrative expenses, and fringe benefits not normally treated as direct costs.

(3) Profit. The amount of profit shall be negotiated and may vary according to the nature, extent, and complexity of the work required by the change. The allowability of the direct and indirect costs shall be determined in accordance with the Contract Cost Principles and Procedures for Commercial Firms in Part 31 of the Federal Acquisition Regulation (48 CFR 1-31), as implemented by HUD Handbook 2210.18, in effect on the date of this contract. The Contractor shall not be allowed a profit on the profit received by any subcontractor. Equitable adjustments for deleted work shall include a credit for profit and may include a credit for indirect costs. On proposals covering both increases and decreases in the amount of the contract, the application of indirect costs and profit shall be on the net-change in direct costs for the Contractor or subcontractor performing the work.

(g) The Contractor shall include in the proposal its request for time extension (if any), and shall include sufficient information and dates to demonstrate whether and to what extent the change will delay the completion of the contract in its entirety.

(h) The Contracting Officer shall act on proposals within 30 days after their receipt, or notify the Contractor of the date when such action will be taken.

(i) Failure to reach an agreement on any proposal shall be a dispute under the clause entitled Disputes herein. Nothing in this clause, however, shall excuse the Contractor from proceeding with the contract as changed.

(j) Except in an emergency endangering life or property, no change shall be made by the Contractor without a prior order from the Contracting Officer.

30. Suspension of Work

(a) The Contracting Officer may order the Contractor in writing to suspend, delay, or interrupt all or any part of the work of this contract for the period of time that the Contracting Officer determines appropriate for the convenience of the PHA.

(b) If the performance of all or any part of the work is, for an unreasonable period of time, suspended, delayed, or interrupted (1) by an act of the Contracting Officer in the administration of this contract, or (2) by the Contracting Officer's failure to act within the time specified (or within a reasonable time if not specified) in this contract an adjustment shall be made for any increase in the cost of performance of the contract (excluding profit) necessarily caused by such unreasonable suspension, delay, or interruption and the contract modified in writing accordingly. However, no adjustment shall be made under this clause for any suspension, delay, or interruption to the extent that performance would have been so suspended, delayed, or interrupted by any other cause, including the fault or negligence of the Contractor or for which any equitable adjustment is provided for or excluded under any other provision of this contract.

(c) A claim under this clause shall not be allowed (1) for any costs incurred more than 20 days before the Contractor shall have notified the Contracting Officer in writing of the act or failure to act involved (but this requirement shall not apply as to a claim resulting from a suspension order); and, (2) unless the claim, in an amount stated, is asserted in writing as soon as practicable after the termination of the suspension, delay, or interruption, but not later than the date of final payment under the contract.

31. Disputes

(a) "Claim," as used in this clause, means a written demand or written assertion by one of the contracting parties seeking, as a matter of right, the payment of money in a sum certain, the adjustment or interpretation of contract terms, or other relief arising under or relating to the contract. A claim arising under the contract, unlike a claim relating to the contract, is a claim that can be resolved under a contract clause that provides for the relief sought by the claimant. A voucher, invoice, or other routine request for payment that is not in dispute when submitted is not a claim. The submission may be converted to a claim by complying with the requirements of this clause, if it is disputed either as to liability or amount or is not acted upon in a reasonable time.

(b) Except for disputes arising under the clauses entitled Labor Standards - Davis Bacon and Related Acts, herein, all disputes arising under or relating to this contract, including any claims for damages for the alleged breach thereof which are not disposed of by agreement, shall be resolved under this clause.

(c) All claims by the Contractor shall be made in writing and submitted to the Contracting Officer for a written decision. A claim by the PHA against the Contractor shall be subject to a written decision by the Contracting Officer.

(d) The Contracting Officer shall, within 60 (unless otherwise indicated) days after receipt of the request, decide the claim or notify the Contractor of the date by which the decision will be made.

(e) The Contracting Officer's decision shall be final unless the Contractor (1) appeals in writing to a higher level in the PHA in accordance with the PHA's policy and procedures, (2) refers the appeal to an independent mediator or arbitrator, or (3) files suit in a court of competent jurisdiction. Such appeal must be made within (30 unless otherwise indicated) days after receipt of the Contracting Officer's decision.

(f) The Contractor shall proceed diligently with performance of this contract, pending final resolution of any request for relief, claim, appeal, or action arising under or relating to the contract, and comply with any decision of the Contracting Officer.

32. Default

(a) If the Contractor refuses or fails to prosecute the work, or any separable part thereof, with the diligence that will insure its completion within the time specified in this contract, or any extension thereof, or fails to complete said work within this time, the Contracting Officer may, by written notice to the Contractor, terminate the right to

proceed with the work (or separable part of the work) that has been delayed. In this event, the PHA may take over the work and complete it, by contract or otherwise, and may take possession of and use any materials, equipment, and plant on the work site necessary for completing the work. The Contractor and its sureties shall be liable for any damage to the PHA resulting from the Contractor's refusal or failure to complete the work within the specified time, whether or not the Contractor's right to proceed with the work is terminated. This liability includes any increased costs incurred by the PHA in completing the work.

(b) The Contractor's right to proceed shall not be terminated or the Contractor charged with damages under this clause if—

(1) The delay in completing the work arises from unforeseeable causes beyond the control and without the fault or negligence of the Contractor. Examples of such causes include (i) acts of God, or of the public enemy, (ii) acts of the PHA or other governmental entity in either its sovereign or contractual capacity, (iii) acts of another contractor in the performance of a contract with the PHA, (iv) fires, (v) floods, (vi) epidemics, (vii) quarantine restrictions, (viii) strikes, (ix) freight embargoes, (x) unusually severe weather, or (xi) delays of subcontractors or suppliers at any tier arising from unforeseeable causes beyond the control and without the fault or negligence of both the Contractor and the subcontractors or suppliers; and

(2) The Contractor, within days (10 days unless otherwise indicated) from the beginning of such delay (unless extended by the Contracting Officer) notifies the Contracting Officer in writing of the causes of delay. The Contracting Officer shall ascertain the facts and the extent of the delay. If, in the judgment of the Contracting Officer, the findings of fact warrant such action, time for completing the work shall be extended by written modification to the contract. The findings of the Contracting Officer shall be reduced to a written decision which shall be subject to the provisions of the Disputes clause of this contract.

(c) If, after termination of the Contractor's right to proceed, it is determined that the Contractor was not in default, or that the delay was excusable, the rights and obligations of the parties will be the same as if the termination had been for convenience of the PHA.

33. Liquidated Damages

(a) If the Contractor fails to complete the work within the time specified in the contract, or any extension, as specified in the clause entitled Default of this contract, the Contractor shall pay to the PHA as liquidated damages, the sum of $_____Contracting Officer insert amount] for each day of delay. If different completion dates are specified in the contract for separate parts or stages of the work, the amount of liquidated damages shall be assessed on those parts or stages which are delayed. To the extent that the Contractor's delay or nonperformance is excused under another clause in this contract, liquidated damages shall not be due the PHA. The Contractor remains liable for damages caused other than by delay.

(b) If the PHA terminates the Contractor's right to proceed, the resulting damage will consist of liquidated damages until such reasonable time as may be required for final completion of the work together with any increased costs occasioned the PHA in completing the work.

(c) If the PHA does not terminate the Contractor's right to proceed, the resulting damage will consist of liquidated damages until the work is completed or accepted..

34. Termination for Convenience

(a) The Contracting Officer may terminate this contract in whole, or in part, whenever the Contracting Officer determines that such termination is in the best interest of the PHA. Any such termination shall be effected by delivery to the Contractor of a Notice of Termination specifying the extent to which the performance of the work under the contract is terminated, and the date upon which such termination becomes effective.

(b) If the performance of the work is terminated, either in whole or in part, the PHA shall be liable to the Contractor for reasonable and proper costs resulting from such termination upon the receipt by the PHA of a properly presented claim setting out in detail: (1) the total cost of the work performed to date of termination less the total amount of contract payments made to the Contractor; (2) the cost (including reasonable profit) of settling and paying claims under subcontracts and material orders for work performed and materials and supplies delivered to the site, payment for which has not been made by the PHA to the Contractor or by the Contractor to the subcontractor or supplier; (3) the cost of preserving and protecting the work already performed until the PHA or assignee takes possession thereof or assumes responsibility therefore; (4) the actual or estimated cost of legal and accounting services reasonably necessary to prepare and present the termination claim to the PHA; and (5) an amount constituting a reasonable profit on the value of the work performed by the Contractor.

(c) The Contracting Officer will act on the Contractor's claim within days (60 days unless otherwise indicated) of receipt of the Contractor's claim.

(d) Any disputes with regard to this clause are expressly made subject to the provisions of the Disputes clause of this contract.

35. Assignment of Contract

The Contractor shall not assign or transfer any interest in this contract; except that claims for monies due or to become due from the PHA under the contract may be assigned to a bank, trust company, or other financial institution. Such assignments of claims shall only be made with the written concurrence of the Contracting Officer. If the Contractor is a partnership, this contract shall inure to the benefit of the surviving or remaining member(s) of such partnership as approved by the Contracting Officer.

36. Insurance

(a) Before commencing work, the Contractor and each subcontractor shall furnish the PHA with certificates of insurance showing the following insurance is in force and will insure all operations under the Contract:

(1) Workers' Compensation, in accordance with state or Territorial Workers' Compensation laws.

(2) Commercial General Liability with a combined single limit for bodily injury and property damage of not less than $ _____ [Contracting Officer insert amount]

per occurrence to protect the Contractor and each subcontractor against claims for bodily injury or death and damage to the property of others. This shall cover the use of all equipment, hoists, and vehicles on the site(s) not covered by Automobile Liability under (3) below. If the Contractor has a made" policy, then the following additional requirements apply: the policy must provide a "retroactive date" which must be on or before the execution date of the Contract; and the extended reporting period may not be less than five years following the completion date of the Contract.

(3) Automobile Liability on owned and non -owned motor vehicles used on the site(s) or in connection therewith for a combined single limit for bodily injury and property damage of not less than $ _____ [Contracting Officer insert amount] per occurrence.

(b) Before commencing work, the Contractor shall furnish the PHA with a certificate of insurance evidencing that Builder's Risk (fire and extended coverage) Insurance on all work in place and/or materials stored at the building site(s), including foundations and building equipment, is in force. The Builder's Risk Insurance shall be for the benefit of the Contractor and the PHA as their interests may appear and each shall be named in the policy or policies as an insured. The Contractor in installing equipment supplied by the PHA shall carry insurance on such equipment from the time the Contractor takes possession thereof until the Contract work is accepted by the PHA. The Builder's Risk Insurance need not be carried on excavations, piers, footings, or foundations until such time as work on the superstructure is started. It need not be carried on landscape work. Policies shall furnish coverage at all times for the full cash value of all completed construction, as well as materials in place and/or stored at the site(s), whether or not partial payment has been made by the PHA. The Contractor may terminate this insurance on buildings as of the date taken over for occupancy by the PHA. The Contractor is not required to carry Builder's Risk Insurance for modernization work which does not involve structural alterations or additions and where the PHA's existing fire and extended coverage policy can be endorsed to include such work.

(c) All insurance shall be carried with companies which are financially responsible and admitted to do business in the State in which the project is located. If any such insurance is due to expire during the construction period, the Contractor (including subcontractors, as applicable) shall not permit the coverage to lapse and shall furnish evidence of coverage to the Contracting Officer. All certificates of insurance, as evidence of coverage, shall provide that no coverage may be canceled or non-renewed by the insurance company until at least 30 days prior written notice has been given to the Contracting Officer.

37. Subcontracts

(a) Definitions. As used in this contract -

(1) "Subcontract" means any contract, purchase order, or other purchase agreement, including modifications and change orders to the foregoing, entered into by a subcontractor to furnish supplies, materials, equipment, and services for the performance of the prime contract or a subcontract.

(2) "Subcontractor" means any supplier, vendor, or firm that furnishes supplies, materials, equipment, or services to or for the Contractor or another subcontractor.

(b) The Contractor shall not enter into any subcontract with any subcontractor who has been temporarily denied participation in a HUD program or who has been suspended or debarred from participating in contracting programs by any agency of the United States Government or of the state in which the work under this contract is to be performed.

(c) The Contractor shall be as fully responsible for the acts or omissions of its subcontractors, and of persons either directly or indirectly employed by them as for the acts or omissions of persons directly employed by the Contractor.

(d) The Contractor shall insert appropriate clauses in all subcontracts to bind subcontractors to the terms and conditions of this contract insofar as they are applicable to the work of subcontractors.

(e) Nothing contained in this contract shall create any contractual relationship between any subcontractor and the PHA or between the subcontractor and HUD.

38. Subcontracting with Small and Minority Firms, Women's Business Enterprise, and Labor Surplus Area Firms

The Contractor shall take the following steps to ensure that, whenever possible, subcontracts are awarded to small business firms, minority firms, women's business enterprises, and labor surplus area firms:

(a) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;

(b) Ensuring that small and minority businesses and women's business enterprises are solicited whenever they are potential sources;

(c) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses and women's business enterprises;

(d) Establishing delivery schedules, where the requirements of the contract permit, which encourage participation by small and minority businesses and women's business enterprises; and

(e) Using the services and assistance of the U.S. Small Business Administration, the Minority Business Development Agency of the U.S. Department of Commerce, and State and local governmental small business agencies.

39. Equal Employment Opportunity

During the performance of this contract, the Contractor agrees as follows:

(a) The Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or handicap.

(b) The Contractor shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, national origin, or handicap. Such action shall include, but not be limited to, (1) employment, (2) upgrading, (3) demotion, (4) transfer, (5) recruitment or recruitment advertising, (6) layoff or termination, (7) rates of pay or other forms of compensation, and (8) selection for training, including apprenticeship.

(c) The Contractor shall post in conspicuous places available to employees and applicants for employment the notices to be provided by the Contracting Officer that explain this clause.

(d) The Contractor shall, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, or handicap.

(e) The Contractor shall send, to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, the notice to be provided by the Contracting Officer advising the labor union or workers' representative of the Contractor's commitments under this clause, and post copies of the notice in conspicuous places available to employees and applicants for employment.

(f) The Contractor shall comply with Executive Order 11246, as amended, and the rules, regulations, and orders of the Secretary of Labor.

(g) The Contractor shall furnish all information and reports required by Executive Order 11246, as amended, Section 503 of the Rehabilitation Act of 1973, as amended, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto. The Contractor shall permit access to its books, records, and accounts by the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(h) In the event of a determination that the Contractor is not in compliance with this clause or any rule, regulation, or order of the Secretary of Labor, this contract may be canceled, terminated, or suspended in whole or in part, and the Contractor may be declared ineligible for further Government contracts, or Federally assisted construction contracts under the procedures authorized in Executive Order 11246, as amended. In addition, sanctions may be imposed and remedies invoked against the Contractor as provided in Executive Order 11246, as amended, the rules, regulations, and orders of the Secretary of Labor, or as otherwise provided by law.

(i) The Contractor shall include the terms and conditions of this clause in every subcontract or purchase order unless exempted by the rules, regulations, or orders of the Secretary of Labor issued under Executive Order 11246, as amended, so that these terms and conditions will be binding upon each subcontractor or vendor. The Contractor shall take such action with respect to any subcontract or purchase order as the Secretary of Housing and Urban Development or the Secretary of Labor may direct as a means of enforcing such provisions, including sanctions for noncompliance; provided that if the Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the Contractor may request the United States to enter into the litigation to protect the interests of the United States.

(j) Compliance with the requirements of this clause shall be to the maximum extent consistent with, but not in derogation of, compliance with section 7(b) of the Indian Self-Determination and Education Assistance Act and the Indian Preference clause of this contract.

40. Employment, Training, and Contracting Opportunities for Low-Income Persons, Section 3 of the Housing and Urban Development Act of 1968.

(a) The work to be performed under this contract is subject to the requirements of section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (section 3). The purpose of section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.

(b) The parties to this contract agree to comply with HUD's regulations in 24 CFR Part 135, which implement section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the Part 135 regulations.

(c) The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.

(d) The contractor agrees to include this section 3 clause in every subcontract subject to compliance with regulations in 24 CFR Part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 135.

(e) The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR Part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR Part 135.

(f) Noncompliance with HUD's regulations in 24 CFR Part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.

(g) With respect to work performed in connection with section 3 covered Indian housing assistance, section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of section 3 and section 7(b)agree to comply with section 3 to the maximum extent feasible, but not in derogation of compliance with section 7(b).

41. Interest of Members of Congress

No member of or delegate to the Congress of the United States of America shall be admitted to any share or part of this contract or to any benefit that may arise therefrom.

42. Interest of Members, Officers, or Employees and Former Members, Officers, or Employees

No member, officer, or employee of the PHA, no member of the governing body of the locality in which the project is situated, no member of the governing body of the locality in which the PHA was activated, and no other public official of such locality or localities who exercises any functions or responsibilities with respect to the project, shall, during his or her tenure, or for one year thereafter, have any interest, direct or indirect, in this contract or the proceeds thereof.

43. Limitations on Payments made to Influence Certain Federal Financial Transactions

(a) The Contractor agrees to comply with Section 1352 of Title 31, United States Code which prohibits the use of Federal appropriated funds to pay any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered Federal actions: the awarding of any Federal contract, the making of any Federal grant; the making of any Federal loan; the entering into of any cooperative agreement; or the modification of any Federal contract, grant, loan, or cooperative agreement.

(b) The Contractor further agrees to comply with the requirement of the Act to furnish a disclosure (OMB Standard Form LLL, Disclosure of Lobbying Activities) if any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a Federal contract, grant, loan, or cooperative agreement.

44. Royalties and Patents

The Contractor shall pay all royalties and license fees. It shall defend all suits or claims for infringement of any patent rights and shall save the PHA harmless from loss on account thereof; except that the PHA shall be responsible for all such loss when a particular design, process or the product of a particular manufacturer or manufacturers is specified and the Contractor has no reason to believe that the specified design, process, or product is an infringement. If, however, the Contractor has reason to believe that any design, process or product specified is an infringement of a patent, the Contractor shall promptly notify the Contracting Officer. Failure to give such notice shall make the Contractor responsible for resultant loss.

45. Examination and Retention of Contractor's Records

(a) The PHA, HUD, or Comptroller General of the United States, or any of their duly authorized representatives shall, until 3 years after final payment under this contract, have access to and the right to examine any of the Contractor's directly pertinent books, documents, papers, or other records involving transactions related to this contract for the purpose of making audit, examination, excerpts, and transcriptions.

(b) The Contractor agrees to include in first-tier subcontracts under this contract a clause substantially the same as paragraph (a) above. "Subcontract," as used in this clause, excludes purchase orders not exceeding $10,000.

(c) The periods of access and examination in paragraphs (a) and (b) above for records relating to (1) appeals under the Disputes clause of this contract, (2) litigation or settlement of claims arising from the performance of this contract, or (3) costs and expenses of this contract to which the PHA, HUD, or Comptroller General or any of their duly authorized representatives has taken exception shall continue until disposition of such appeals, litigation, claims, or exceptions.

46. Labor Standards - Davis-Bacon and Related Acts

If the total amount of this contract exceeds $2,000, the Federal labor standards set forth in the clause below shall apply to the development or construction work to be performed under the contract.

(a) Minimum Wages.

(1) All laborers and mechanics employed under this contract in the development or construction of the project(s) involved will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the regular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits in the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein; provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under 29 CFR 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall

be posted at all times by the Contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(2) (i) Any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefor only when all the following criteria have been met: (A) The work to be performed by the classification requested is not performed by a classification in the wage determination; and (B) The classification is utilized in the area by the construction industry; and (C) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(ii) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employee Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary.

(iii) In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee, to the Administrator of the Wage and Hour Division for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary.

(iv) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (a)(2)(ii) or (iii) of this clause shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in classification.

(3) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(4) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program; provided, that the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

(b) Withholding of funds. HUD or its designee shall, upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the Contractor under this contract or any other Federal contract with the same prime Contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime Contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working in the construction or development of the project, all or part of the wages required by the contract, HUD or its designee may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the Contractor, disburse such amounts withheld for and on account of the Contractor or subcontractor to the respective employees to whom they are due.

(c) Payrolls and basic records.

(1) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working in the construction or development of the project. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid. Whenever the Secretary of Labor has found, under 29 CFR 5.5(a)(1)(iv), that the wages of any laborer or mechanic include the amount of costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(2) (i) The Contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the Contracting Officer for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under subparagraph (c)(1) of this clause. This information may be submitted in any form desired. Optional Form WH-347 (Federal Stock Number 029-005-00014-1) is available for this purpose and may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The Contractor is responsible for the submission of copies of payrolls by all subcontractors. (Approved by the Office of Management and Budget under OMB Control Number 1214-0149.)

(ii) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(A) That the payroll for the payroll period contains the information required to be maintained under paragraph (c) (1) of this clause and that such information is correct and complete;

(B) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3; and

(C) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(iii) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirements for submission of the "Statement of Compliance" required by subparagraph (c)(2)(ii) of this clause.

(iv) The falsification of any of the above certifications may subject the Contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 3729 of Title 31 of the United States Code.

(3) The Contractor or subcontractor shall make the records required under subparagraph (c)(1) available for inspection, copying, or transcription by authorized representatives of HUD or its designee, the Contracting Officer, or the Department of Labor and shall permit such representatives to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit the required records or to make them available, HUD or its designee may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(d) (1) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship and Training, Employer and Labor Services (OATELS), or with a State Apprenticeship Agency recognized by OATELS, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by OATELS or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in this paragraph, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator of the Wage and Hour Division determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event OATELS, or a State Apprenticeship Agency recognized by OATELS, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under

the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed in the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate in the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate in the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate in the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(3) Equal employment opportunity. The utilization of apprentices, trainees, and journeymen under this clause shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

(e) Compliance with Copeland Act requirements. The Contractor shall comply with the requirements of 29 CFR Part 3, which are hereby incorporated by reference in this contract.

(f) Contract termination; debarment. A breach of this contract clause may be grounds for termination of the contract and for debarment as a Contractor and a subcontractor as provided in 29 CFR 5.12.

(g) Compliance with Davis-Bacon and related Act requirements. All rulings and interpretations of the Davis-Bacon and related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract.

(h) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this clause shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Contractor (or any of its subcontractors) and the PHA, HUD, the U.S. Department of Labor, or the employees or their representatives.

(i) Certification of eligibility.

(1) By entering into this contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(2) No part of this contract shall be subcontracted to any person or firm ineligible for award of a United States Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(3) The penalty for making false statements is prescribed in the U. S. Criminal Code, 18 U.S.C. 1001.

(j) Contract Work Hours and Safety Standards Act. As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics, including watchmen and guards, shall require or permit any such laborer or mechanic in any workweek in which the individual is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the provisions set forth in subparagraph (j)(1) of this clause, the Contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such Contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic (including watchmen and guards) employed in violation of the provisions set forth in subparagraph (j)(1) of this clause, in the sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by provisions set forth in subparagraph (j)(1) of this clause.

(3) Withholding for unpaid wages and liquidated damages. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Contractor or subcontractor under any such contract or any Federal contract with the same prime Contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime Contractor, such sums as may be determined to be necessary to satisfy any liabilities of such Contractor or subcontractor for unpaid wages and liquidated damages as provided in the provisions set forth in subparagraph (j)(2) of this clause.

(k) Subcontracts. The Contractor or subcontractor shall insert in any subcontracts all the provisions contained in this clause, and such other clauses as HUD or its designee may by appropriate instructions require, and also a clause requiring the subcontractors to include these provisions in any lower tier subcontracts. The prime Contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all these provisions.

47. Non-Federal Prevailing Wage Rates

(a) Any prevailing wage rate (including basic hourly rate and any fringe benefits), determined under State or tribal law to be prevailing, with respect to any employee in any trade or position employed under the contract, is inapplicable to the contract and shall not be enforced against the Contractor or any subcontractor, with respect to employees engaged under the contract whenever such non-Federal prevailing wage rate exceeds:
(1) The applicable wage rate determined by the Secretary of Labor pursuant to the Davis-Bacon Act (40 U.S.C. 3141 et seq.) to be prevailing in the locality with respect to such trade;
(b) An applicable apprentice wage rate based thereon specified in an apprenticeship program registered with the U.S. Department of Labor (DOL) or a DOL-recognized State Apprenticeship Agency; or
(c) An applicable trainee wage rate based thereon specified in a DOL-certified trainee program.

48. Procurement of Recovered Materials.

(a) In accordance with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, the Contractor shall procure items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition. The Contractor shall procure items designated in the EPA guidelines that contain the highest percentage of recovered materials practicable unless the Contractor determines that such items: (1) are not reasonably available in a reasonable period of time; (2) fail to meet reasonable performance standards, which shall be determined on the basis of the guidelines of the National Institute of Standards and Technology, if applicable to the item; or (3) are only available at an unreasonable price.
(b) Paragraph (a) of this clause shall apply to items purchased under this contract where: (1) the Contractor purchases in excess of $10,000 of the item under this contract; or (2) during the preceding Federal fiscal year, the Contractor: (i) purchased any amount of the items for use under a contract that was funded with Federal appropriations and was with a Federal agency or a State agency or agency of a political subdivision of a State; and (ii) purchased a total of in excess of $10,000 of the item both under and outside that contract.

APPENDIX O
HUD FORM 5369A – REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF BIDDERS

U.S. Department of Housing and Urban Development
Office of Public and Indian Housing

Representations, Certifications, and Other Statements of Bidders

Public and Indian Housing Programs

Representations, Certifications, and Other Statements of Bidders

Public and Indian Housing Programs

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1. Certificate of Independent Price Determination

(a) The bidder certifies that--

(1) The prices in this bid have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other bidder or competitor relating to (i) those prices, (ii) the intention to submit a bid, or (iii) the methods or factors used to calculate the prices offered;

(2) The prices in this bid have not been and will not be knowingly disclosed by the bidder, directly or indirectly, to any other bidder or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a competitive proposal solicitation) unless otherwise required by law; and

(3) No attempt has been made or will be made by the bidder to induce any other concern to submit or not to submit a bid for the purpose of restricting competition.

(b) Each signature on the bid is considered to be a certification by the signatory that the signatory--

(1) Is the person in the bidder's organization responsible for determining the prices being offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(I) through (a)(3) above; or

(2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(I) through (a)(3) above.

_____ [insert full name of person(s) in the bidder's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the bidder's organization];

(ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) above have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) above; and

(iii) As an agent, has not personally participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above.

(c) If the bidder deletes or modifies subparagraph (a)2 above, the bidder must furnish with its bid a signed statement setting forth in detail the circumstances of the disclosure.

[ ] [Contracting Officer check if following paragraph is applicable]

(d) Non-collusive affidavit. (applicable to contracts for construction and equipment exceeding $50,000)

(1) Each bidder shall execute, in the form provided by the PHA/IHA, an affidavit to the effect that he/she has not colluded with any other person, firm or corporation in regard to any bid submitted in response to this solicitation. If the successful bidder did not submit the affidavit with his/her bid, he/she must submit it within three (3) working days of bid opening. Failure to submit the affidavit by that date may render the bid nonresponsive. No contract award will be made without a properly executed affidavit.

(2) A fully executed "Non-collusive Affidavit" [ ] is, [ ] is not included with the bid.

2. Contingent Fee Representation and Agreement

(a) Definitions. As used in this provision:

"Bona fide employee" means a person, employed by a bidder and subject to the bidder's supervision and control as to time, place, and manner of performance, who neither exerts, nor proposes to exert improper influence to solicit or obtain contracts nor holds out as being able to obtain any contract(s) through improper influence.

"Improper influence" means any influence that induces or tends to induce a PHA/IHA employee or officer to give consideration or to act regarding a PHA/IHA contract on any basis other than the merits of the matter.

(b) The bidder represents and certifies as part of its bid that, except for full-time bona fide employees working solely for the bidder, the bidder:

(1) [ ] has, [ ] has not employed or retained any person or company to solicit or obtain this contract; and

(2) [ ] has, [ ] has not paid or agreed to pay to any person or company employed or retained to solicit or obtain this contract any commission, percentage, brokerage, or other fee contingent upon or resulting from the award of this contract.

(c) If the answer to either (a)(1) or (a)(2) above is affirmative, the bidder shall make an immediate and full written disclosure to the PHA/IHA Contracting Officer.

(d) Any misrepresentation by the bidder shall give the PHA/IHA the right to (1) terminate the contract; (2) at its discretion, deduct from contract payments the amount of any commission, percentage, brokerage, or other contingent fee; or (3) take other remedy pursuant to the contract.

3. Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions (applicable to contracts exceeding $100,000)

(a) The definitions and prohibitions contained in Section 1352 of title 31, United States Code, are hereby incorporated by reference in paragraph (b) of this certification.

(b) The bidder, by signing its bid, hereby certifies to the best of his or her knowledge and belief as of December 23, 1989 that:

(1) No Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with the awarding of a contract resulting from this solicitation;

(2) If any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with this solicitation, the bidder shall complete and submit, with its bid, OMB standard form LLL, "Disclosure of Lobbying Activities;" and

(3) He or she will include the language of this certification in all subcontracts at any tier and require that all recipients of subcontract awards in excess of $100,000 shall certify and disclose accordingly.

(c) Submission of this certification and disclosure is a prerequisite for making or entering into this contract imposed by section 1352, title 31, United States Code. Any person who makes an expenditure prohibited under this provision or who fails to file or amend the disclosure form to be filed or amended by this provision, shall be subject to a civil penalty of not less than $10,000, and not more than $100,000, for each such failure.

(d) Indian tribes (except those chartered by States) and Indian organizations as defined in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450B) are exempt from the requirements of this provision.

4. Organizational Conflicts of Interest Certification

The bidder certifies that to the best of its knowledge and belief and except as otherwise disclosed, he or she does not have any organizational conflict of interest which is defined as a situation in which the nature of work to be performed under this proposed contract and the bidder's organizational, financial, contractual, or other interests may, without some restriction on future activities:

(a) Result in an unfair competitive advantage to the bidder; or,

(b) Impair the bidder's objectivity in performing the contract work.

[ ] In the absence of any actual or apparent conflict, I hereby certify that to the best of my knowledge and belief, no actual or apparent conflict of interest exists with regard to my possible performance of this procurement.

5. Bidder's Certification of Eligibility

(a) By the submission of this bid, the bidder certifies that to the best of its knowledge and belief, neither it, nor any person or firm which has an interest in the bidder's firm, nor any of the bidder's subcontractors, is ineligible to:

(1) Be awarded contracts by any agency of the United States Government, HUD, or the State in which this contract is to be performed; or,

(2) Participate in HUD programs pursuant to 24 CFR Part 24.

(b) The certification in paragraph (a) above is a material representation of fact upon which reliance was placed when making award. If it is later determined that the bidder knowingly rendered an erroneous certification, the contract may be terminated for default, and the bidder may be debarred or suspended from participation in HUD programs and other Federal contract programs.

6. Minimum Bid Acceptance Period

(a) "Acceptance period," as used in this provision, means the number of calendar days available to the PHA/IHA for awarding a contract from the date specified in this solicitation for receipt of bids.

(b) This provision supersedes any language pertaining to the acceptance period that may appear elsewhere in this solicitation.

(c) The PHA/IHA requires a minimum acceptance period of [Contracting Officer insert time period] calendar days.

(d) In the space provided immediately below, bidders may specify a longer acceptance period than the PHA's/IHA's minimum requirement. The bidder allows the following acceptance period: calendar days.

(e) A bid allowing less than the PHA's/IHA's minimum acceptance period will be rejected.

(f) The bidder agrees to execute all that it has undertaken to do, in compliance with its bid, if that bid is accepted in writing within (1) the acceptance period stated in paragraph (c) above or (2) any longer acceptance period stated in paragraph (d) above.

7. Small, Minority, Women-Owned Business Concern Representation

The bidder represents and certifies as part of its bid/ offer that it --

(a) [ ] is, [ ] is not a small business concern. "Small business concern," as used in this provision, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding, and qualified as a small business under the criteria and size standards in 13 CFR 121.

(b) [ ] is, [ ] is not a women-owned business enterprise. "Women-owned business enterprise," as used in this provision, means a business that is at least 51 percent owned by a woman or women who are U.S. citizens and who also control and operate the business.

(c) [ ] is, [ ] is not a minority business enterprise. "Minority business enterprise," as used in this provision, means a business which is at least 51 percent owned or controlled by one or more minority group members or, in the case of a publicly owned business, at least 51 percent of its voting stock is owned by one or more minority group members, and whose management and daily operations are controlled by one or more such individuals. For the purpose of this definition, minority group members are:

(Check the block applicable to you)

[ ] Black Americans	[ ] Asian-Pacific Americans
[ ] Hispanic Americans	[ ] Asian Indian Americans
[ ] Native Americans	[ ] Hasidic Jewish Americans

8. Indian-Owned Economic Enterprise and Indian Organization Representation (applicable only if this solicitation is for a contract to be performed on a project for an Indian Housing Authority)

The bidder represents and certifies that it:

(a) [ ] is, [ ] is not an Indian-owned economic enterprise. "Economic enterprise," as used in this provision, means any commercial, industrial, or business activity established or organized for the purpose of profit, which is at least 51 percent Indian owned. "Indian," as used in this provision, means any person who is a member of any tribe, band, group, pueblo, or community which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs and any "Native" as defined in the Alaska Native Claims Settlement Act.

(b) [ ] is, [ ] is not an Indian organization. "Indian organization," as used in this provision, means the governing body of any Indian tribe or entity established or recognized by such governing body. Indian "tribe" means any Indian tribe, band, group, pueblo, or

community including Native villages and Native groups (including corporations organized by Kenai, Juneau, Sitka, and Kodiak) as defined in the Alaska Native Claims Settlement Act, which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs.

9. Certification of Eligibility Under the Davis-Bacon Act (applicable to construction contracts exceeding $2,000)

(a) By the submission of this bid, the bidder certifies that neither it nor any person or firm who has an interest in the bidder's firm is a person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(b) No part of the contract resulting from this solicitation shall be subcontracted to any person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(c) The penalty for making false statements is prescribed in the U. S. Criminal Code, 18 U.S.C. 1001.

10. Certification of Nonsegregated Facilities (applicable to contracts exceeding $10,000)

(a) The bidder's attention is called to the clause entitled **Equal Employment Opportunity** of the General Conditions of the Contract for Construction.

(b) "Segregated facilities," as used in this provision, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin because of habit, local custom, or otherwise.

(c) By the submission of this bid, the bidder certifies that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The bidder agrees that a breach of this certification is a violation of the Equal Employment Opportunity clause in the contract.

(d) The bidder further agrees that (except where it has obtained identical certifications from proposed subcontractors for specific time periods) prior to entering into subcontracts which exceed $10,000 and are not exempt from the requirements of the Equal Employment Opportunity clause, it will:

(1) Obtain identical certifications from the proposed subcontractors;

(2) Retain the certifications in its files; and

(3) Forward the following notice to the proposed subcontractors (except if the proposed subcontractors have submitted identical certifications for specific time periods):

Notice to Prospective Subcontractors of Requirement for Certifications of Nonsegregated Facilities

A Certification of Nonsegregated Facilities must be submitted before the award of a subcontract exceeding $10,000 which is not exempt from the provisions of the Equal Employment Opportunity clause of the prime contract. The certification may be submitted either for each subcontract or for all subcontracts during a period (i.e., quarterly, semiannually, or annually).

Note: The penalty for making false statements in bids is prescribed in 18 U.S.C. 1001.

11. Clean Air and Water Certification (applicable to contracts exceeding $100,000)

The bidder certifies that:

(a) Any facility to be used in the performance of this contract [ ] is, [ ] is not listed on the Environmental Protection Agency List of Violating Facilities:

(b) The bidder will immediately notify the PHA/IHA Contracting Officer, before award, of the receipt of any communication from the Administrator, or a designee, of the Environmental Protection Agency, indicating that any facility that the bidder proposes to use for the performance of the contract is under consideration to be listed on the EPA List of Violating Facilities; and,

(c) The bidder will include a certification substantially the same as this certification, including this paragraph (c), in every nonexempt subcontract.

12. Previous Participation Certificate (applicable to construction and equipment contracts exceeding $50,000)

(a) The bidder shall complete and submit with his/her bid the Form HUD-2530, "Previous Participation Certificate." If the successful bidder does not submit the certificate with his/her bid, he/she must submit it within three (3) working days of bid opening. Failure to submit the certificate by that date may render the bid nonresponsive. No contract award will be made without a properly executed certificate.

(b) A fully executed "Previous Participation Certificate"

[ ] is, [ ] is not included with the bid.

13. Bidder's Signature

The bidder hereby certifies that the information contained in these certifications and representations is accurate, complete, and current.

_____
(Signature and Date)

_____
(Typed or Printed Name)

_____
(Title)

_____
(Company Name)

(Company Address)

ATTACHMENT "B"

EQUIPMENT LEASE/PURCHASE AGREEMENT

This Equipment Lease/Purchase Agreement (the *"Agreement"*) dated as of _____, and entered into between _____, a _____ [corporation] (*"Lessor"*), and MIAMI-DADE COUNTY, a political subdivision of the State of Florida (*"Lessee"*).

WITNESSETH:

WHEREAS, Lessee desires to lease and acquire from Lessor certain Equipment (as such term is defined herein), subject to the terms and conditions hereof;

WHEREAS, Lessee is authorized under the constitution, laws of the State of Florida and the Miami-Dade Home Rule Amendments and Charter to enter into this Agreement for the purposes set forth herein;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and in consideration of the premises hereinafter contained, the parties hereby agree as follows:

ARTICLE I

Section 1.01. Definitions. The following terms will have the meanings indicated below unless the context clearly requires otherwise:

"Acquisition Amount" means $_____. The Acquisition Amount is the amount represented by Lessee to be sufficient, together with proceeds from Lessee if any, to acquire the Equipment.

"Acquisition Fund" means the fund established and held by the Acquisition Fund Custodian pursuant to the Acquisition Fund Agreement, if any.

"Acquisition Fund Agreement" means the Acquisition Fund and Account Control Agreement in form and substance acceptable to and executed by Lessee, Lessor and the Acquisition Fund Custodian, pursuant to which an Acquisition Fund is established and administered.

"Acquisition Fund Custodian" means the Acquisition Fund Custodian identified in the Acquisition Fund Agreement, and its successors and assigns.

"Acquisition Period" means the period ending on _____.

"Agreement" means this Equipment Lease/Purchase Agreement, including the exhibits hereto, together with any amendments and modifications to the Agreement pursuant to Section 13.04.

"Code" means the Internal Revenue Code of 1986, as amended. Each reference to a Section of the Code herein shall be deemed to include the United States Treasury Regulations proposed or in effect thereunder.

"Commencement Date" means the date when Lessee's obligation to pay rent commences hereunder, which shall be the date on which the Acquisition Amount is deposited with the Acquisition Fund Custodian.

"Contract Rate" means the rate identified as such in the Payment Schedule.

"Equipment" means the property listed in the Equipment Schedule and all replacements, repairs, restorations, modifications and improvements thereof or thereto made pursuant to Section 8.01 or Article V. Whenever reference is made in this Agreement to Equipment, such reference shall be deemed to include all such replacements, repairs, restorations, modifications and improvements of or to such Equipment.

"Equipment Costs" means the total cost of the Equipment, including related costs such as freight, installation and taxes, capitalizable costs, and costs of issuance incurred in connection with the acquisition and/or financing of the Equipment.

"Equipment Schedule" means the equipment schedule attached hereto as Exhibit A and made a part hereof.

"Event of Default" means an Event of Default described in Section 12.01.

"Lease Term" means the Original Term and all Renewal Terms, with a final Renewal Term ending on _____.

"Lessee" means the entity referred to as Lessee in the first paragraph of this Agreement.

"Lessor" means (a) the entity referred to as Lessor in the first paragraph of this Agreement or (b) any assignee or transferee of any right, title or interest of Lessor in and to this Agreement, including the Equipment, the Rental Payments and other amounts due hereunder, pursuant to Section 11.01, or the Acquisition Fund, but does not include any entity solely by reason of that entity retaining or assuming any obligation of Lessor to perform hereunder.

"Material Adverse Change" means any change in Lessee's creditworthiness that could have a material adverse effect on (i) the financial condition or operations of Lessee, or (ii) Lessee's ability to perform its obligations under this Agreement

"Original Term" means the period from the Commencement Date until the end of the fiscal year of Lessee in effect at such Commencement Date.

"Payment Schedule" means the payment schedule attached hereto as Exhibit B and made a part hereof.

"Renewal Terms" means the renewal terms of this Agreement, each having a duration of one year and a term coextensive with Lessee's fiscal year.

"Rental Payments" means the basic rental payments payable by Lessee hereunder pursuant to Section 4.01, consisting of a principal component and an interest component.

"State" means the State of _____.

"Taxable Rate" means an interest rate equal to the Contract Rate plus a rate sufficient such that the total interest to be paid on any payment date would, after such interest was reduced by the amount of any Federal, state or local income tax (including any interest, penalties or additions to tax) actually imposed thereon, equal the amount of interest otherwise due to Lessor.

"Termination Value" means the amount provided in the Payment Schedule.

"Vendor" means the manufacturer, installer or supplier of the Equipment or any other person as well as the agents or dealers of the manufacturer, installer or supplier with whom Lessor arranged Lessee's acquisition, installation, maintenance and/or servicing of the Equipment.

"Vendor Agreement" means any contract entered into by Lessee and any Vendor for the acquisition, installation, maintenance and/or servicing of the Equipment.

ARTICLE II

Section 2.01. Representations and Covenants of Lessee. Lessee represents, covenants and warrants for the benefit of Lessor on the date hereof as follows:

(a) Lessee is Miami-Dade County, a political subdivision of the State within the meaning of Section 103(c) of the Code, duly organized and existing under the constitution and laws of the State], with full power and authority to enter into this Agreement and the transactions contemplated hereby and to perform all of its obligations hereunder.

(b) Lessee has duly authorized the execution and delivery of this Agreement and the Acquisition Fund Agreement by proper action of its governing body at a meeting duly called, regularly convened and attended throughout by the requisite quorum of the members thereof, or by other appropriate official approval, and all requirements have been met and procedures have occurred in order to ensure the validity and enforceability of this Agreement and the Acquisition Fund Agreement.

(c) No event or condition that constitutes, or with the giving of notice or the lapse of time or both would constitute, an Event of Default exists at the date hereof.

(d) Lessee will do or cause to be done all things necessary to preserve and keep in full force and effect its existence as a political subdivision of the State of Florida.

(e) Lessee has complied with such public bidding requirements as may be applicable to this Agreement and the acquisition by Lessee of the Equipment.

(f) During the Lease Term, the Equipment will be used by Lessee only for the purpose of performing essential governmental or proprietary functions of Lessee consistent with the permissible scope of Lessee's authority. Lessee does not intend to sell or otherwise dispose of the Equipment or any interest therein prior to the last Rental Payment (including all Renewal Terms) scheduled to be paid hereunder.

(g) Lessee has kept, and throughout the Lease Term shall keep, its books and records in accordance with generally accepted accounting principles and practices consistently applied, and shall deliver to Lessor (i) annual audited financial statements (including (1) a balance sheet, (2) statement of revenues, expenses and changes in fund balances for budget and actual, (3) statement of cash flows, and (4) footnotes, schedules and attachments to the financial statements) within 210 days of its fiscal year end, (ii) such other financial statements and information as Lessor may reasonably request, and (iii) upon Lessor's request, its annual budget for any prior or current fiscal year or the following fiscal. The financial statements described in subsection (g) shall be accompanied by an unqualified opinion of Lessee's auditor. Credit information relating to Lessee may be disseminated among Lessor and any of its affiliates and any of their respective successors and assigns.

(h) Lessee has an immediate need for the Equipment and expects to make immediate use of the Equipment. Lessee's need for the Equipment is not temporary and Lessee does not expect the need for any item of the Equipment to diminish during the Lease Term.

(i) The payment of the Rental Payments or any portion thereof is not directly or indirectly (x) secured by any interest in property used or to be used in any activity carried on by any person other than a state or local governmental unit or payments in respect of such property; or (y) on a present value basis, derived from payments (whether or not to Lessee) in respect of property, or borrowed money, used or to be used in any activity carried on by any person other than a state or local governmental unit. Lessee shall not permit the Federal government to guarantee any Rental Payments. The Equipment will not be used, directly or indirectly, in any activity carried on by any person other than a state or local governmental unit. No portion of the Acquisition Amount will be used, directly or indirectly, to make or finance loans to any person other than Lessee. Lessee has not entered into any management or other service contract with respect to the use and operation of the Equipment.

(j) There is no pending litigation, tax claim, proceeding or dispute that may adversely affect Lessee's financial condition or impairs its ability to perform its obligations under this Agreement or the Acquisition Fund Agreement. Lessee will, at its

expense, maintain its legal existence in good standing and do any further act and execute, acknowledge, deliver, file, register and record any further documents Lessor may reasonably request in order to protect Lessor's first priority security interest in the Equipment and the Acquisition Fund and Lessor's rights and benefits under this Agreement and the Acquisition Fund Agreement.

(k) Lessee is the fee owner of the real estate where the Equipment is and will be located and has good and marketable title thereto, and there exists no mortgage, pledge, lien, security interest, charge or other encumbrance of any nature whatsoever on or with respect to such real estate.

(l) No lease, rental agreement, lease-purchase agreement, payment agreement or contract for purchase to which Lessee has been a party at any time has been terminated by Lessee as a result of insufficient funds being appropriated in any fiscal year. No event has occurred which would constitute an event of default under any debt, revenue bond or obligation which Lessee has issued during the past ten (10) years.

ARTICLE III

Section 3.01. Lease of Equipment. Subject to the terms of this Agreement, Lessor agrees to provide the Acquisition Amount to acquire the Equipment. Lessor hereby demises, leases, transfers and lets to Lessee, and Lessee hereby acquires, rents and leases from Lessor, the Equipment. The Lease Term may be continued, solely at the option of Lessee, at the end of the Original Term or any Renewal Term for the next succeeding Renewal Term up to the maximum Lease Term as set forth in the Payment Schedule. At the end of the Original Term and at the end of each Renewal Term until the maximum Lease Term has been completed, Lessee shall be deemed to have exercised its option to continue this Agreement for the next Renewal Term unless Lessee shall have terminated this Agreement pursuant to Section 3.03 or Section 10.01. The terms and conditions during any Renewal Term shall be the same as the terms and conditions during the Original Term, except that the Rental Payments shall be as provided in the Payment Schedule.

Section 3.02. Continuation of Lease Term. Lessee intends, subject to Section 3.03, to continue the Lease Term through the Original Term and all Renewal Terms. Lessee affirms that sufficient funds are available for the current fiscal year, and Lessee reasonably believes that an amount sufficient to make all Rental Payments during the entire Lease Term can be obtained from legally available funds of Lessee. Lessee further intends to do all things lawfully within its power to obtain and maintain funds sufficient and available to discharge its obligation to make Rental Payments due hereunder, including making provision for such payments to the extent necessary in each budget or appropriation request submitted and adopted in accordance with applicable provisions of law, to have such portion of the budget or appropriation request approved and to exhaust all available reviews and appeals in the event such portion of the budget or appropriation request is not approved.

Section 3.03. Nonappropriation. Lessee is obligated only to pay such Rental Payments as may lawfully be made from funds budgeted and appropriated for that purpose during Lessee's

then current fiscal year. Should Lessee fail to budget, appropriate or otherwise make available funds to pay Rental Payments following the then current Original Term or Renewal Term, this Agreement shall be deemed terminated at the end of the then current Original Term or Renewal Term. Lessee agrees to deliver notice to Lessor of such termination promptly after any decision to non-appropriate is made, but failure to give such notice shall not extend the term beyond such Original Term or Renewal Term. If this Agreement is terminated in accordance with this Section, Lessee agrees to cease use of the Equipment and peaceably remove and deliver at Lessee's expense the Equipment to Lessor at the location(s) to be specified by Lessor.

Section 3.04. Conditions to Lessor's Performance. (a) As a prerequisite to the performance by Lessor of any of its obligations under this Agreement, Lessee shall deliver to Lessor the following:

(i) An Acquisition Fund Agreement in the form set forth in Exhibit I hereto, satisfactory to Lessor and executed by Lessee and the Acquisition Fund Custodian;

(ii) A certified copy of a resolution adopted by the Miami-Dade Board of County Commissioners, a copy of which is attached hereto as Exhibit C-1, authorizing the execution and delivery of this Agreement and the Acquisition Fund Agreement and performance by Lessee of its obligations under this Agreement and the Acquisition Fund Agreement;

(iii) A Certificate executed by the Clerk of the Board of County Commissioners, in substantially the form attached hereto as Exhibit C-2, completed to the satisfaction of Lessor;

(iv) An opinion of counsel to Lessee in substantially the form attached hereto as Exhibit D and otherwise satisfactory to Lessor;

(v) Evidence of insurance as required by Section 7.02 hereof;

(vi) All documents, including financing statements, affidavits, notices and similar instruments, in form satisfactory to Lessor, which Lessor deems necessary or appropriate at that time pursuant to Section 6.02;

(vii) A waiver or waivers of interest in the Equipment, satisfactory to Lessor, from any mortgagee or any other party having an interest in the real estate on which the Equipment will be located and/or landlord of the real estate on which the Equipment will be located;

(viii) If Lessee has designated this Agreement as a "qualified tax-exempt obligation" within the meaning of Section 265(b)(3) of the Code, a certificate substantially in the form attached hereto as Exhibit G executed by an authorized official of Lessee;

(ix) A copy of a fully completed and executed Form 8038-G;

(x) A certified copy of any Surety Bond satisfying the conditions set forth in Section 7.04, or, at Lessor's sole discretion, such Surety Bonds may be provided after the Commencement Date, *provided, however,* that no "Disbursement Request" pursuant to the Acquisition Fund Agreement shall be authorized by Lessor until such Surety Bonds satisfying the conditions set forth in Section 7.04 have been delivered to Lessor; and

(xi) Such other items reasonably required by Lessor.

(b) In addition, the performance by Lessor of any of its obligations under this Agreement and the Acquisition Fund Agreement shall be subject to: (i) no Material Adverse Change in the financial condition of Lessee since the date of this Agreement, and (ii) no Event of Default having occurred and continuing.

(c) Subject to satisfaction of the foregoing, Lessor will deposit the Acquisition Amount with the Acquisition Fund Custodian.

ARTICLE IV

Section 4.01. Rental Payments. Subject to Section 3.03, Lessee shall promptly pay Rental Payments, in lawful money of the United States of America, to Lessor on the dates and in such amounts as provided in the Payment Schedule. Interest on the Acquisition Amount shall begin to accrue as of the Commencement Date. Lessee shall pay Lessor a charge on any Rental Payment not paid on the date such payment is due at a rate equal to the Contract Rate plus 5% per annum or the maximum amount permitted by law, whichever is less, from such date.

Section 4.02. Interest and Principal Components. A portion of each Rental Payment is paid as, and represents payment of, interest, and the balance of each Rental Payment is paid as, and represents payment of, principal as more fully detailed on the Payment Schedule.

Section 4.03. Rental Payments to Constitute a Current Expense of Lessee. Lessor and Lessee understand and intend that the obligation of Lessee to pay Rental Payments shall constitute a current expense of Lessee payable solely from its general fund or other funds that are legally available for that purpose and shall not in any way be construed to be a debt of Lessee in contravention of any applicable constitutional or statutory limitation or requirement concerning the creation of indebtedness by Lessee, nor shall anything contained herein constitute a pledge of the general tax revenues, funds or moneys of Lessee.

Section 4.04. Rental Payments to be Unconditional. Except as provided in Section 3.03, the obligations of Lessee to make Rental Payments and to perform and observe the other covenants and agreements contained in this Agreement shall be absolute and unconditional in all events without abatement, diminution, deduction, set-off or defense, for any reason, including without limitation any failure of the Equipment, any defects, malfunctions, breakdowns or infirmities in the Equipment or any accident, condemnation or unforeseen circumstances, or failure of any Vendor to deliver any Equipment or otherwise perform any of its obligations.

Section 4.05. Tax Covenants. Lessee agrees that it will not take any action that would cause the interest component of Rental Payments to be or to become ineligible for the exclusion from gross income of the owner or owners thereof for federal income tax purposes, nor will it omit to take or cause to be taken, in timely manner, any action, which omission would cause the interest component of Rental Payments to be or to become ineligible for the exclusion from gross income of the owner or owners thereof for federal income tax purposes.

Section 4.06. Event of Taxability. Upon the occurrence of an Event of Taxability, the interest component of Rental Payments and any charge on Rental Payments or other amounts payable based on the Contract Rate shall have accrued and be payable at the Taxable Rate retroactive to the date as of which the interest component is determined by the Internal Revenue Service to be includible in the gross income of the owner or owners thereof for federal income tax purposes, and Lessee will pay such additional amount as will result in the owner receiving the interest component at the Taxable Rate.

For purposes of this Section, *"Event of Taxability"* means a determination that the interest component is includible for federal income tax purposes in the gross income of the owner thereof due to Lessee's action or failure to take any action.

Section 4.07. Mandatory Prepayment. Any funds not applied to Equipment Costs and remaining in the Acquisition Fund on the earlier of (a) the expiration of the Acquisition Period and (b) the date on which Lessee executes an Acceptance Certificate (in the form attached hereto as Exhibit E), shall be applied by Lessor on any Rental Payment date to all or a portion of the Rental Payment due and owing in the succeeding twelve (12) months and any remaining amounts shall be applied by Lessor as prepayment to the remaining principal balance owing hereunder in the inverse order of Rental Payment dates.

ARTICLE V

Section 5.01. Delivery, Installation and Acceptance of Equipment. (a) Lessee shall order the Equipment, cause the Equipment to be delivered and installed at the location specified in the Equipment Schedule and pay any and all delivery and installation costs and other Equipment Costs in connection therewith. When the Equipment has been delivered and installed, Lessee shall promptly accept such Equipment and evidence said acceptance by executing and delivering to Lessor an "Acceptance Certificate" in the form attached hereto as Exhibit E.

(b) Lessee shall deliver to Lessor original invoices (and proof of payment of such invoices) and bills of sale (if title to such Equipment has passed to Lessee) relating to each item of Equipment accepted by Lessee.

Section 5.02. Quiet Enjoyment of Equipment. So long as Lessee is not in default hereunder, neither Lessor nor any entity claiming by, through or under Lessor, shall interfere with Lessee's quiet use and enjoyment of the Equipment during the Lease Term.

Section 5.03. Location; Inspection. Once installed, no item of the Equipment will be moved or relocated from the location specified for it in the Equipment Schedule without Lessor's

prior written consent, which consent shall not be unreasonably withheld. Lessor shall have the right at all reasonable times during regular business hours to enter into and upon the property where the Equipment is located for the purpose of inspecting the Equipment.

Section 5.04. Use and Maintenance of the Equipment. Lessee shall not install, use, operate or maintain the Equipment (or cause the Equipment to be installed, used, operated or maintained) improperly, carelessly, in violation of any applicable law or in a manner contrary to that contemplated hereby. Lessee shall provide all permits and licenses, if any, necessary for the installation and operation of the Equipment. In addition, Lessee agrees to comply in all respects with all applicable laws, regulations and rulings of any legislative, executive, administrative or judicial body; *provided* that Lessee may contest in good faith the validity or application of any such law, regulation or ruling in any reasonable manner that does not, in the opinion of Lessor, adversely affect the interest (including the reversionary interest) of Lessor in and to the Equipment or its interest or rights hereunder.

Lessee agrees that it will maintain, preserve, and keep the Equipment in good repair and working order, in a condition comparable to that recommended by the manufacturer. Lessor shall have no responsibility to maintain, repair or make improvements or additions to the Equipment. In all cases, Lessee agrees to pay any costs necessary for the manufacturer to re-certify the Equipment as eligible for manufacturer's maintenance upon the return of the Equipment to Lessor as provided for herein.

Lessee shall not alter any item of Equipment or install any accessory, equipment or device on an item of Equipment if that would impair any applicable warranty, the originally intended function or the value of that Equipment. All repairs, parts, accessories, equipment and devices furnished, affixed to or installed on any Equipment, excluding temporary replacements, shall thereupon become subject to the security interest of Lessor.

ARTICLE VI

Section 6.01. Title to the Equipment. During the Lease Term, and so long as Lessee is not in default under Article XII hereof, all right, title and interest in and to each item of the Equipment shall be vested in Lessee immediately upon its acceptance of each item of Equipment, subject to the terms and conditions hereof. Lessee shall at all times protect and defend, at its own cost and expense, its title in and to the Equipment from and against all claims, liens and legal processes of its creditors, and keep all Equipment free and clear of all such claims, liens and processes. Upon the occurrence of an Event of Default or upon termination of this Agreement pursuant to Section 3.03 hereof, full and unencumbered legal title to the Equipment shall, at Lessor's option, pass to Lessor, and Lessee shall have no further interest therein. In addition, upon the occurrence of such an Event of Default or such termination, Lessee shall execute and deliver to Lessor such documents as Lessor may request to evidence the passage of such legal title to Lessor and the termination of Lessee's interest therein, and upon request by Lessor shall deliver possession of the Equipment to Lessor in accordance with Section 12.02. Upon payment of all amounts due and owing under this Agreement in accordance with Section 10.01 (including upon payment of all Rental Payments and other amounts payable under this Agreement), Lessor's security interest or other interest in the Equipment shall

terminate, and Lessor shall execute and deliver to Lessee such documents as Lessee may request to evidence the termination of Lessor's security interest in the Equipment. During the Lease Term, Lessor will not claim ownership of the Equipment for the purposes of any tax credits, benefits or deductions with respect to the Equipment.

Section 6.02. Security Interest. As additional security for the payment and performance of all of Lessee's obligations hereunder, Lessee hereby grants to Lessor a first priority security interest constituting a first lien on (a) the Equipment, (b) moneys and investments held from time to time in the Acquisition Fund and (c) any and all proceeds of any of the foregoing. Lessee authorizes Lessor to file (and Lessee agrees to execute, if applicable) such notices of assignment, chattel mortgages, financing statements and other documents, in form satisfactory to Lessor, which Lessor deems necessary or appropriate to establish and maintain Lessor's security interest in the Equipment, the Acquisition Fund and the proceeds thereof, including, without limitation, such financing statements with respect to personal property and fixtures under Article 9 of the Uniform Commercial Code of the State.

Section 6.03. Personal Property, No Encumbrances. Lessee agrees that the Equipment is deemed to be and will remain personal property, and will not be deemed to be affixed to or a part of the real estate on which it may be situated, notwithstanding that the Equipment or any part thereof may be or hereafter become in any manner physically affixed or attached to real estate or any building thereon. Lessee shall not create, incur, assume or permit to exist any mortgage, pledge, lien, security interest, charge or other encumbrance of any nature whatsoever on any of the real estate where the Equipment is or will be located or enter into any agreement to sell or assign or enter into any sale/leaseback arrangement of such real estate without the prior written consent of Lessor; *provided,* that if Lessor or its assigns is furnished with a waiver of interest in the Equipment acceptable to Lessor or its assigns in its discretion from any party taking an interest in any such real estate prior to such interest taking effect, such consent shall not be unreasonably withheld.

ARTICLE VII

Section 7.01. Liens, Taxes, Other Governmental Charges and Utility Charges. Lessee shall keep the Equipment free of all levies, liens, and encumbrances except those created by this Agreement. The parties to this Agreement contemplate that the Equipment will be used for a governmental or proprietary purpose of Lessee and that the Equipment will therefore be exempt from all property taxes. If the use, possession or acquisition of any Equipment is nevertheless determined to be subject to taxation, Lessee shall pay when due all taxes and governmental charges lawfully assessed or levied against or with respect to such Equipment. Lessee shall pay all utility and other charges incurred in the use and maintenance of the Equipment. Lessee shall pay such taxes or charges as the same may become due; *provided* that, with respect to any such taxes or charges that may lawfully be paid in installments over a period of years, Lessee shall be obligated to pay only such installments as accrue during the Lease Term.

Section 7.02. Insurance. The parties hereto acknowledge that Lessee is self-insured against the risks. Lessee shall provide to Lessor a self-insurance letter in substantially the form attached hereto as Exhibit F. Lessee shall furnish to Lessor evidence of such self-insurance

coverage throughout the Lease Term. Lessee shall not cancel or modify such self-insurance coverage in any way that would affect the interests of Lessor without first giving written notice thereof to Lessor at least 30 days in advance of such cancellation or modification.

Section 7.03. Risk of Loss. Whether or not covered by self-insurance, Lessee, subject to the limitations of Section 768.28, Florida Statutes, hereby assumes all risk of loss of, or damage to and liability related to injury or damage to any persons or property arising from the Equipment from any cause whatsoever, and no such loss of or damage to or liability arising from the Equipment shall relieve Lessee of the obligation to make the Rental Payments or to perform any other obligation under this Agreement. Whether or not covered by self-insurance, Lessee, subject to the limitations of Section 768.28, Florida Statutes, hereby agrees to reimburse Lessor (to the fullest extent permitted by applicable law, but only from legally available funds) for any and all liabilities, obligations, losses, costs, claims, taxes or damages suffered or incurred by Lessor, regardless of the cause thereof and all expenses incurred in connection therewith (including, without limitation, counsel fees and expenses, and penalties connected therewith imposed on interest received) arising out of or as a result of (a) entering into of this Agreement or any of the transactions contemplated hereby, (b) the ordering, acquisition, ownership use, operation, condition, purchase, delivery, acceptance, rejection, storage or return of any item of the Equipment, (c) any accident in connection with the operation, use, condition, possession, storage or return of any item of the Equipment resulting in damage to property or injury to or death to any person, and/or (d) the breach of any covenant of Lessee under or in connection with this Agreement or any material misrepresentation provided by Lessee under or in connection with this Agreement. The provisions of this paragraph shall continue in full force and effect notwithstanding the full payment of all obligations under this Agreement or the termination of the Lease Term for any reason.

Section 7.04. Surety Bonds; Lessee to Pursue Remedies Against Contractors and Sub-Contractors and Their Sureties. Lessee shall secure from each Vendor directly employed by Lessee in connection with the acquisition, construction, installation, improvement or equipping of the Equipment, a payment and performance bond (*"Surety Bond"*) executed by a surety company authorized to do business in the State, having a financial strength rating by A.M. Best Company of "A-" or better, and otherwise satisfactory to Lessor and naming Lessor as a co-obligee in a sum equal to the entire amount to become payable under each Vendor Agreement. Each bond shall be conditioned on the completion of the work in accordance with the plans and specifications for the Equipment and upon payment of all claims of subcontractors and suppliers. Lessee shall cause the surety company to add Lessor as a co-obligee on each Surety Bond, and shall deliver a certified copy of each Surety Bond to Lessor promptly upon receipt thereof by Lessee. Any proceeds from a Surety Bond shall be applied first to amounts due Lessor under this Agreement, and any remaining amounts shall be payable to Lessee.

In the event of a material default of any Vendor under any Vendor Agreement in connection with the acquisition, construction, maintenance and/or servicing of the Equipment or in the event of a material breach of warranty with respect to any material workmanship or performance guaranty with respect to the Equipment, Lessee will promptly proceed to exhaust its remedies against the Vendor in default. Lessee shall advise Lessor of the steps it intends to take in connection with any such default. Any amounts received by Lessee in respect of damages,

refunds and adjustments or otherwise in connection with the foregoing shall be paid to Lessor and applied against Lessee's obligations hereunder.

Section 7.05. Advances. In the event Lessee shall fail to keep the Equipment in good repair and working order, Lessor may, but shall be under no obligation to, maintain and repair the Equipment and pay the cost thereof. All amounts so advanced by Lessor shall constitute additional rent for the then current Original Term or Renewal Term and Lessee covenants and agrees to pay such amounts so advanced by Lessor with interest thereon from the due date until paid at a rate equal to the Contract Rate plus 5% per annum or the maximum amount permitted by law, whichever is less.

ARTICLE VIII

Section 8.01. Damage, Destruction and Condemnation. If, prior to the termination of the Lease Term, (a) the Equipment or any portion thereof is destroyed, in whole or in part, or is damaged by fire or other casualty or (b) title to, or the temporary use of, the Equipment or any part thereof shall be taken under the exercise or threat of the power of eminent domain by any governmental body or by any person, firm or corporation acting pursuant to governmental authority, (i) Lessee and Lessor will cause the Net Proceeds of any insurance claim or condemnation award or sale under threat of condemnation to be applied to the prompt replacement, repair, restoration, modification or improvement of the Equipment and any balance of the Net Proceeds remaining after such work has been completed shall be paid to Lessee or (ii) Lessee shall exercise its option to prepay the obligations hereunderin accordance with Section 10.01(b).

If Lessee elects to replace any item of the Equipment (the *"Replaced Equipment"*) pursuant to this Section, the replacement equipment (the *"Replacement Equipment"*) shall be new or of a quality, type, utility and condition at least as good as the Replaced Equipment, shall be of equal or greater value than the Replaced Equipment and shall provide at least the same level of energy and/or operational savings expected in the aggregate from the Replaced Equipment prior to such casualty, destruction or condemnation. Lessee shall grant to Lessor a first priority security interest in any such Replacement Equipment. Lessee shall represent, warrant and covenant to Lessor that each item of Replacement Equipment is free and clear of all claims, liens, security interests and encumbrances, excepting only those liens created by or through Lessor, and shall provide to Lessor any and all documents as Lessor may reasonably request in connection with the replacement, including, but not limited to, documentation in form and substance satisfactory to Lessor evidencing Lessor's security interest in the Replacement Equipment. Lessor and Lessee hereby acknowledge and agree that any Replacement Equipment acquired pursuant to this paragraph shall constitute "Equipment" for purposes of this Agreement. Lessee shall complete the documentation of Replacement Equipment on or before the next Rental Payment date after the occurrence of a casualty event, or be required to exercise its option to prepay the obligations hereunder with respect to equipment in accordance with Section 10.01(b).

For purposes of this Article, the term *"Net Proceeds"* shall mean the amount remaining from the gross proceeds of any insurance claim or condemnation award or sale under threat of

condemnation after deducting all expenses, including attorneys' fees, incurred in the collection thereof.

Section 8.02. Insufficiency of Net Proceeds. If the Net Proceeds are insufficient to pay in full the cost of any repair, restoration, modification or improvement referred to in Section 8.01, Lessee shall either (a) complete such replacement, repair, restoration, modification or improvement and pay any costs thereof in excess of the amount of the Net Proceeds, or (b) pay or cause to be paid to Lessor the amount of the then applicable Termination Value for the Equipment, and, upon such payment, the Lease Term shall terminate and Lessor's security interest in the Equipment shall terminate as provided in Section 6.01 hereof. The amount of the Net Proceeds, if any, remaining after completing such repair, restoration, modification or improvement or after paying the applicable Termination Value for such Equipment shall be retained by Lessee. If Lessee shall make any payments pursuant to this Section, Lessee shall not be entitled to any reimbursement therefor from Lessor nor shall Lessee be entitled to any diminution of the amounts payable under Article IV.

ARTICLE IX

Section 9.01. Disclaimer of Warranties. Lessor makes no warranty or representation, either express or implied, as to the value, design, condition, merchantability or fitness for particular purpose or fitness for use of the Equipment, or any other warranty or representation, express or implied, with respect thereto and, as to Lessor, Lessee's acquisition of the Equipment shall be on an "as is" basis. In no event shall Lessor be liable for any incidental, indirect, special or consequential damage in connection with or arising out of this Agreement, the Equipment or the existence, furnishing, functioning or Lessee's use of any item, product or service provided for in this Agreement.

Section 9.02. Vendor's Agreements; Warranties. Lessee covenants that it shall not in any material respect amend, modify, rescind or alter any Vendor Agreement without the prior written consent of Lessor. Lessor hereby irrevocably appoints Lessee its agent and attorney-in-fact during the Lease Term, so long as Lessee shall not be in default under this Agreement, to assert from time to time whatever claims and rights (including without limitation warranties) relating to the Equipment that Lessor may have against Vendor. Lessee's sole remedy for the breach of such warranty, indemnification or representation shall be against the applicable Vendor of the Equipment, and not against Lessor. Any such matter shall not have any effect whatsoever on the rights and obligations of Lessor hereunder, including the right to receive full and timely Rental Payments. Lessee expressly acknowledges that Lessor makes, and has made, no representations or warranties whatsoever as to the existence or the availability of such warranties relating to the Equipment.

ARTICLE X

Section 10.01. Prepayment Option. Lessee shall have the option to prepay or satisfy all its obligations hereunder, at the following times and upon the following terms:

(a) From and after the date specified (if any) in the Payment Schedule (the *"Prepayment Option Commencement Date"*), on the Rental Payment dates specified in the Payment Schedule, upon not less than 30 days' prior written notice, and upon payment in full of the Rental Payments then due and all other amounts then owing hereunder plus the then applicable Termination Value, which may include a prepayment premium on the unpaid balance as set forth in the Payment Schedule; or

(b) In the event of substantial damage to or destruction or condemnation of substantially all of the Equipment, on the day specified in Lessee's notice to Lessor of its exercise of the prepayment option (which shall be the earlier of the next Rental Payment date or 60 days after the casualty event) upon payment in full to Lessor of the Rental Payment then due plus the then applicable Termination Value (or, in the event such prepayment occurs on a date other than a Rental Payment date, the sum of (i) the Termination Value relating to the Rental Payment immediately prior to the date of such prepayment plus (ii) accrued interest on the Outstanding Balance relating to the Rental Payment immediately prior to the date of such prepayment, plus all other amounts then owing hereunder); or

(c) Upon the expiration of the Lease Term, upon payment in full of all Rental Payments then due and all other amounts then owing hereunder to Lessor.

After payment of the applicable Termination Value and all other amounts owing hereunder, Lessor's security interests in and to such Equipment will be terminated and Lessee will own the Equipment free and clear of Lessor's security interest in the Equipment.

ARTICLE XI

Section 11.01. Assignment by Lessor. (a) Lessor's right, title and interest in and to this Agreement, the Rental Payments and any other amounts payable by Lessee hereunder, the Acquisition Fund Agreement, its security interest in the Equipment and Acquisition Fund, and all proceeds therefrom may be assigned and reassigned in whole or in part to one or more assignees or subassignees by Lessor, without the necessity of obtaining the consent of Lessee; *provided,* that any such assignment, transfer or conveyance to a trustee for the benefit of owners of certificates of participation shall be made in a manner that conforms to any applicable State law. Nothing in this Section 11.01 shall be construed, however, to prevent Lessor from executing any such assignment, transfer or conveyance that does not involve funding through the use of certificates of participation within the meaning of applicable State law, including any such assignment, transfer or conveyance as part of a multiple asset pool to a partnership or trust; *provided* such certificates are sold only on a private placement basis (and not pursuant to any "public offering") to a purchaser(s) who represents that (i) such purchaser has sufficient knowledge and experience in financial and business matters to be able to evaluate the risks and

merits of the investment, (ii) such purchaser understands that neither this Agreement nor certificates will be registered under the Securities Act of 1933, (iii) such purchaser is either an "accredited investor" within the meaning of Regulation D under the Securities Act of 1933, or a qualified institutional buyer within the meaning of Rule 144A, and (iv) it is the intention of such purchaser to acquire such certificates (A) for investment for its own account or (B) for resale in a transaction exempt from registration under the Securities Act of 1933; *provided further,* that in any event, Lessee shall not be required to make Rental Payments, to send notices or to otherwise deal with respect to matters arising under this Agreement with or to more than one individual or entity.

(b) Unless to an affiliate controlling, controlled by or under common control with Lessor, no assignment, transfer or conveyance permitted by this Section 11.01 shall be effective until Lessee shall have received a written notice of assignment that discloses the name and address of each such assignee; *provided,* that if such assignment is made to a bank or trust company as trustee or paying agent for owners of certificates of participation, trust certificates or partnership interests with respect to the Rental Payments payable under this Agreement, it shall thereafter be sufficient that Lessee receives notice of the name and address of the bank or trust company as trustee or paying agent. During the Lease Term, Lessee shall keep, or cause to be kept, a complete and accurate record of all such assignments in form necessary to comply with Section 149 of the Code. Lessee shall retain all such notices as a register of all assignees and shall make all payments to the assignee or assignees designated in such register. Lessee shall not have the right to and shall not assert against any assignee any claim, counterclaim or other right Lessee may have against Lessor or the Vendor. Assignments in part may include without limitation assignment of all of Lessor's security interest in and to the Equipment and all rights in, to and under this Agreement related to such Equipment, and all of Lessor's security interest in and to the Acquisition Fund, or all rights in, to and under the Acquisition Fund Agreement.

(c) If Lessor notifies Lessee of its intent to assign this Agreement, Lessee agrees that it shall execute and deliver to Lessor a Notice and Acknowledgement of Assignment substantially in the form of Exhibit H attached hereto within five (5) business days after its receipt of such request.

Section 11.02. Assignment and Subleasing by Lessee. **None of Lessee's right, title, and interest in, to and under this Agreement or any portion of the Equipment or the Acquisition Fund Agreement or the Acquisition Fund may be assigned, encumbered or subleased by Lessee for any reason, and any purported assignment, encumbrance or sublease without Lessor's prior written consent shall be null and void.**

ARTICLE XII

Section 12.01. Events of Default Defined. Any of the following events shall constitute an *"Event of Default"* under this Agreement:

(a) Failure by Lessee to (i) pay any Rental Payment or other payment required to be paid under this Agreement within 10 days after the date when due as specified herein or (ii) maintain insurance as required herein;

(b) Failure by Lessee to observe and perform any covenant, condition or agreement contained in this Agreement on its part to be observed or performed, other than as referred to in subparagraph (a) above, for a period of 30 days after written notice specifying such failure and requesting that it be remedied is given to Lessee by Lessor, unless Lessor shall agree in writing to an extension of such time prior to its expiration; *provided* that, if the failure stated in the notice cannot be corrected within the applicable period, Lessor will not unreasonably withhold its consent to an extension of such time if corrective action is instituted by Lessee within the applicable period and diligently pursued until the default is corrected;

(c) Any statement, representation or warranty made by Lessee in or pursuant to this Agreement or its execution, delivery or performance shall prove to have been false, incorrect, misleading, or breached in any material respect on the date when made; or

(e) An order, judgment or decree shall be entered by any court of competent jurisdiction, approving a petition or appointing a receiver, trustee, custodian or liquidator for Lessee or of all or a substantial part of the assets of Lessee, in each case without its application, approval or consent, and such order, judgment or decree shall continue unstayed and in effect for any period of 30 consecutive days.

Section 12.02. Remedies on Default. Whenever any Event of Default exists, Lessor shall have the right, at its sole option without any further demand or notice, to take one or any combination of the following remedial steps:

(a) By written notice to Lessee, Lessor may declare all Rental Payments payable by Lessee and other amounts payable by Lessee hereunder to the end of the then current Original Term or Renewal Term to be due;

(b) With or without terminating the Lease Term, Lessor may enter the premises where the Equipment is located and retake possession of such Equipment or require Lessee at Lessee's expense to promptly return any or all of such Equipment to the possession of Lessor at such place within the United States as Lessor shall specify, and sell or lease such Equipment or, for the account of Lessee, sublease such Equipment, continuing to hold Lessee liable, but solely from legally available funds, for the difference between (i) the Rental Payments payable by Lessee and other amounts hereunder or the Equipment that are payable by Lessee to the end of the then current Original Term or Renewal Term, as the case may be, and (ii) the net proceeds of any such sale, leasing or subleasing (after deducting all expenses of Lessor in exercising its remedies hereunder , including without limitation all expenses of taking possession, storing, reconditioning and selling or leasing such Equipment and all brokerage, auctioneer's and attorney's fees), subject, however, to the provisions of Section 3.03. The exercise of any such remedies respecting any such Event of Default shall not relieve Lessee of any other liabilities hereunder or the Equipment;

(c) Lessor may terminate the Acquisition Fund Agreement and apply any proceeds in the Acquisition Fund to the Rental Payments due hereunder; and

(d) Lessor may take whatever action at law or in equity may appear necessary or desirable to enforce its rights under this Agreement or the Acquisition Fund Agreement or as a secured party in any or all of the Equipment or the Acquisition Fund.

Section 12.03. No Remedy Exclusive. No remedy herein conferred upon or reserved to Lessor is intended to be exclusive and every such remedy shall be cumulative and shall be in addition to every other remedy given hereunder now or hereafter existing at law or in equity. No delay or omission to exercise any right or power accruing upon any default shall impair any such right or power or shall be construed to be a waiver thereof, but any such right or power may be exercised from time to time and as often as may be deemed expedient. In order to entitle Lessor to exercise any remedy reserved to it in this Article it shall not be necessary to give any notice other than such notice as may be required in this Article.

ARTICLE XIII

Section 13.01. Notices. All notices, certificates or other communications under this Agreement shall be sufficiently given and shall be deemed given when delivered or mailed by registered mail, postage prepaid, or delivered by overnight courier, or sent by facsimile transmission (with electronic confirmation) to the parties hereto at the addresses immediately after the signatures to this Agreement (or at such other address as either party hereto shall designate in writing to the other for notices to such party) and to any assignee at its address as it appears on the registration books maintained by Lessee.

Section 13.02. Binding Effect. This Agreement shall inure to the benefit of and shall be binding upon Lessor and Lessee and their respective successors and assigns.

Section 13.03. Severability. In the event any provision of this Agreement shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision hereof.

Section 13.04. Amendments, Changes and Modifications. This Agreement may only be amended by Lessor and Lessee in writing.

Section 13.05. Execution in Counterparts. This Agreement may be simultaneously executed in several counterparts, each of which shall be an original and all of which shall constitute but one and the same instrument.

Section 13.06. Applicable Law and Venue. This Agreement shall be governed by and construed in accordance with the laws of the State of Florida. This Agreement shall be enforced by bringing an action in either state or federal court located in Miami-Dade County, Florida.

Section 13.07. Captions. The captions or headings in this Agreement are for convenience only and in no way define, limit or describe the scope or intent of any provisions or sections of this Agreement.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, Lessor and Lessee have caused this Agreement to be executed in their names by their duly authorized representatives as of the date first above written.

LESSOR:	LESSEE:
_____	_____
_____	_____
_____	_____
Attention: _____	Attention: _____
Fax No.: _____	Fax No.: _____
By: _____	By: _____
Name: _____	Name: _____
Title: _____	Title: _____
	(Seal)
	Attest:
	By: _____
	Name: _____
	Title: _____

Counterpart No. _____ of _____ manually executed and serially numbered counterparts. To the extent that this Agreement constitutes chattel paper (as defined in the Uniform Commercial Code), no security interest herein may be created through the transfer or possession of any Counterpart other than Counterpart No. 1.

LIST OF EXHIBITS

Exhibit A	—	Equipment Schedule
Exhibit B	—	Payment Schedule
Exhibit C-1	—	Authorizing Resolution
Exhibit C-2	—	Form of Incumbency and Authorization Certificate
Exhibit D	—	Form of Opinion of Counsel Form
Exhibit E	—	Form of Acceptance Certificate
Exhibit F	—	Form of Self-Insurance Certificate
Exhibit G	—	Form of Bank Qualification Certificate
Exhibit H	—	Form of Notice and Acknowledgement of Assignment
Exhibit I	—	Form of Acquisition Fund and Account Control Agreement

EXHIBIT A

EQUIPMENT SCHEDULE

Location of Equipment:

Equipment Description (Scope of Work):

EXHIBIT B

PAYMENT SCHEDULE

Rental Payment Date	Rental Payment Amount	Interest Portion	Principal Portion	Outstanding Balance	Termination Value (including prepayment premium, if applicable)

Contract Rate. The Contract Rate is ____% per annum.

Prepayment Option Commencement Date. For purposes of Section 10.01 of the Agreement, the Prepayment Purchase Option Commencement Date is _____.

LESSOR:
_____

By: _____
Name: _____
Title: _____

LESSEE:
[_____]

By: _____
Name: _____
Title: _____

EXHIBIT C-1
(RESERVED FOR AUTHORIZING RESOLUTION)

EXHIBIT C-2

FORM OF INCUMBENCY AND AUTHORIZATION CERTIFICATE

The undersigned, a duly elected County Clerk of Miami-Dade County, Florida (*"Lessee"*) certifies as follows:

A. The following listed persons are duly elected or appointed and acting officials of Lessee (the *"Officials"*) in the capacity set forth opposite their respective names below and that the facsimile signatures are true and correct as of the date hereof;

B. The Officials are duly authorized, on behalf of Lessee, to negotiate, execute and deliver the Equipment Lease/Purchase Agreement dated as of _____ by and between Lessee and _____ (*"Lessor"*), the Acquisition Fund and Account Control Agreement dated as of _____ among Lessor, Lessee and _____, as Acquisition Fund Custodian, and all documents related thereto and delivered in connection therewith (collectively, the *"Agreements"*), and the Agreements each are the binding and authorized agreements of Lessee, enforceable in all respects in accordance with their respective terms.

NAME OF OFFICIAL	TITLE	SIGNATURE
_____	_____	_____
_____	_____	_____
_____	_____	_____

Dated: _____

By: _____
Name: _____
Title: _____

(The signer of this Certificate cannot be listed above as authorized to execute the Agreements.)

EXHIBIT D

FORM OF OPINION OF COUNSEL TO LESSEE
(to be typed on letterhead of counsel)

[Closing Date]

_____
_____
_____
_____
Attn: _____

Re: Equipment Lease/Purchase Agreement, dated as of _____ between _____, as Lessor, and _____, as Lessee

Ladies and Gentlemen:

As legal counsel to Miami-Dade County (*"Lessee"*), I have examined (a) an executed counterpart of a certain Equipment Lease/Purchase Agreement, dated as of _____, and Exhibits thereto by and between _____ (*"Lessor"*) and Lessee (the *"Agreement"*), which, among other things, provides for the lease of certain property (the *"Equipment"*) and a certain Acquisition Fund and Account Control Agreement among Lessor, Lessee, and _____ as Acquisition Fund Custodian, dated _____ (the *"Acquisition Fund Agreement"*), (b) an executed counterpart of the ordinances or resolutions of Lessee which with respect to the transaction contemplated by the Agreement, the Acquisition Fund Agreement, and documents related thereto and (c) such other opinions, documents and matters of law as I have deemed necessary in connection with the following opinions. The Agreement, the Acquisition Fund Agreement and the documents relating thereto are referred to collectively as the "Transaction Documents."

Based on the foregoing, I am of the following opinions:

1. Lessee is a political subdivision of the State of Florida, duly organized and existing under the laws of the State, and has a substantial amount of the following sovereign powers: (a) the power to tax, (b) the power of eminent domain, and (c) police powers as a political subdivision of a state within the meaning of Section 103(c) of the Internal Revenue Code of 1986, as amended (the *"Code"*) and the obligations of Lessee under the Agreement will constitute an obligation of Lessee within the meaning of Section 103(a) of the Code, notwithstanding Section 103(b) of the Code.

2. Lessee has the requisite power and authority to lease and acquire the Equipment and to execute and deliver the Transaction Documents and to perform its obligations under the Transaction Documents.

3. The Transaction Documents have been duly authorized, approved, executed and delivered by and on behalf of Lessee and the Transaction Documents are legal, valid and binding obligations of Lessee enforceable in accordance with their respective terms.

4. The authorization, approval, execution and delivery of the Transaction Documents and all other proceedings of Lessee relating to the transactions contemplated thereby have been performed in accordance with all open meeting laws, public bidding laws and all other applicable state or federal laws.

5. There is no proceeding pending or threatened in any court or before any governmental authority or arbitration board or tribunal that, if adversely determined, would adversely affect the transactions contemplated by the Transaction Documents or the security interest of Lessor or its assigns, as the case may be, in the Equipment, the Acquisition Fund or other collateral thereunder.

All capitalized terms herein shall have the same meanings as in the Transaction Documents unless otherwise provided herein. Lessor and its successors and assigns, and any counsel rendering an opinion on the tax-exempt status of the interest components of the Rental Payments, are entitled to rely on this opinion.

Sincerely,

EXHIBIT E

FORM OF ACCEPTANCE CERTIFICATE

_____
_____
_____
_____
Attn: _____

Re: Equipment Lease/Purchase Agreement, dated as of _____ between _____, as Lessor, and _____, as Lessee

Ladies and Gentlemen:

In accordance with the Equipment Lease/Purchase Agreement (the *"Agreement"*), the undersigned Lessee hereby certifies and represents to, and agrees with Lessor as follows:

1. All of the Equipment (as such term is defined in the Agreement) has been delivered, installed and accepted on the date hereof.

2. Lessee has conducted such inspection and/or testing of the Equipment as it deems necessary and appropriate and hereby acknowledges that it accepts the Equipment for all purposes.

3. Lessee is currently maintaining the insurance coverage required by Section 7.02 of the Agreement.

4. Lessee hereby reaffirms that the representations, warranties and covenants contained in the Agreement are true and correct as of the date hereof.

5. No event or condition that constitutes, or with notice or lapse of time, or both, would constitute, an Event of Default (as defined in the Agreement) exists at the date hereof.

Date: _____

LESSEE:

_____

By: _____
Name: _____
Title: _____

(SEAL)

EXHIBIT F

FORM OF SELF INSURANCE CERTIFICATE

_____
_____
_____
_____
Attn: _____

Re: Equipment Lease/Purchase Agreement, dated as of _____ (the *"Agreement"*) between _____, as Lessor, and _____, as Lessee

In connection with the above-referenced Agreement, _____ (the *"Lessee"*), the Lessee warrants and represents to _____ the following information. The terms capitalized herein but not defined herein shall have the meanings assigned to them in the Agreement.

1. The Lessee is self-insured for damage or destruction to the Equipment. The dollar amount limit for property damage to the Equipment under such self-insurance program is $_____. [The Lessee maintains an umbrella insurance policy for claims in excess of Lessee's self-insurance limits for property damage to the Equipment which policy has a dollar limit for property damage to the Equipment under such policy of $_____.]

2. The Lessee is self-insured for liability for injury or death of any person or damage or loss of property arising out of or relating to the condition or operation of the Equipment. The dollar limit for such liability claims under the Lessee's self-insurance program is $_____. [The Lessee maintains an umbrella insurance policy for claims in excess of Lessee's self-insurance limits for liability which policy has a dollar limit for liabilities for injury and death to persons as well as damage or loss of property arising out of or relating to the condition or operation of the Equipment in the amount of $_____.

[3]. The Lessee maintains a self-insurance fund. Monies in the self-insurance fund [are/are not] subject to annual appropriation. The total amount maintained in the self-insurance fund to cover Lessee's self-insurance liabilities is $_____. [Amounts paid from the Lessee's self-insurance fund are subject to a dollar per claim of $_____.]

[3]. The Lessee does not maintain a self-insurance fund. The Lessee obtains funds to pay claims for which it has self-insured from the following sources: _____. Amounts payable for claims from the such sources are limited as follows: _____.

4. Attached hereto are copies of certificates of insurance with respect to policies maintained by Lessee.

LESSEE:

_____

By:_____
Name: _____
Title: _____

EXHIBIT G

FORM OF BANK QUALIFICATION CERTIFICATE

The undersigned, a duly authorized official of _____ (the *"Lessee"*) certifies in connection with the Equipment Lease/Purchase Agreement dated as of _____ (the *"Agreement"*) between _____ and Lessee as follows:

1. The obligations evidenced by the Agreement are not "private activity bonds" as defined in Section 141 of the Internal Revenue Code of 1986, as amended (the *"Code"*);

2. The Lessee hereby designates the principal components of the Rental Payments payable under the Agreement as "qualified tax-exempt obligations" for purposes of Section 265(b)(3) of the Code;

3. The reasonably anticipated amount of tax-exempt obligations (other than private activity bonds, treating qualified 501(c)(3) bonds as not being private activity bonds) which will be issued by the Lessee (and all entities treated as one issuer with the Lessee, and all subordinate entities whose obligations are treated as issued by the Lessee) during the current calendar year will not exceed $10,000,000; and

4. Not more than $10,000,000 of obligations issued by the Lessee during the current calendar year has been designated for purposes of Section 265(b)(3) of the Code.

Date: _____

LESSEE:

_____

By: _____
Name: _____
Title: _____

EXHIBIT H

FORM OF NOTICE AND ACKNOWLEDGEMENT OF ASSIGNMENT

DATED _____

_____ (*"Assignor"*) hereby gives notice that it has assigned and sold to _____ (*"Assignee"*) all of Assignor's right, title and interest in, to and under the Equipment Lease/Purchase Agreement (the *"Agreement"*) dated as of _____, between Assignor and _____ (*"Lessee"*), together with all exhibits, schedules, addenda and attachments related thereto, and all certifications and other documents delivered in connection therewith, the Rental Payments and other amounts due under the Agreement, all of Assignor's right, title and interest in the Equipment (as defined in the Agreement), and all of Assignor's right, title and interest in, to and under the Acquisition Fund and Account Control Agreement dated _____ (the *"Acquisition Fund Agreement"*) by and among Lessee, Assignor and _____, as Acquisition Fund Custodian, together with the Acquisition Fund related thereto (collectively, the *"Assigned Property"*).

1. Pursuant to the authority of Resolution _____ adopted on _____, Lessee hereby acknowledges the effect of the assignment of the Assigned Property and absolutely and unconditionally agrees to deliver to Assignee all Rental Payments and other amounts coming due under the Agreement in accordance with the terms thereof on and after the date of this Acknowledgment.

2. Lessee hereby agrees that: (i) Assignee shall have all the rights of Lessor under the Agreement and all related documents, including, but not limited to, the rights to issue or receive all notices and reports, to give all consents or agreements to modifications thereto, to receive title to the equipment in accordance with the terms of the Agreement, to declare a default and to exercise all remedies thereunder; and (ii) except as provided in Section 3.03 of the Agreement, the obligations of Lessee to make Rental Payments and to perform and observe the other covenants and agreements contained in the Agreement shall be absolute and unconditional in all events without abatement, diminution, deduction, set-off or defense.

3. Lessee agrees that, as of the date of this Notice and Acknowledgment of Assignment (this *"Acknowledgement"*), the following information about the Agreement is true, accurate and complete:

Number of Rental Payments Remaining	–	_____
Amount of Each Rental Payment	–	$_____
Total Amount of Rents Remaining	–	$_____
Frequency of Rental Payments	–	_____
Next Rental Payment Due	–	_____
Funds Remaining in Acquisition Fund	–	$_____

4. The Agreement remains in full force and effect, has not been amended and no nonappropriation or Event of Default (or event which with the passage of time or the giving of notice or both would constitute a default) has occurred thereunder.

5. Any inquiries of Lessee related to the Agreement and any requests for disbursements from the Acquisition Fund, if applicable, and all Rental Payments and other amounts coming due pursuant to the Agreement on and after the date of this Acknowledgment should be remitted to Assignee at the following address (or such other address as provided to Lessee in writing from time to time by Assignee):

_____
_____
_____

ACKNOWLEDGED AND AGREED:

LESSEE:

_____

By: _____
Name: _____
Title: _____

ASSIGNOR:

_____

By: _____
Name: _____
Title: _____

EXHIBIT I

FORM OF ACQUISITION FUND AND ACCOUNT CONTROL AGREEMENT