

Memorandum



Date: July 1, 2008

To: Honorable Chairman Bruno A. Barreiro
and Members, Board of County Commissioners

Agenda Item No. 8(F)(1)(B)

From: George M. Burgess
County Manager

A handwritten signature in black ink, appearing to read "Burgess", written over the printed name of George M. Burgess.

Resolution No. R-740-08

Subject: Energy Performance Contracting Program

RECOMMENDATION

It is recommended that the Board adopt the accompanying resolution authorizing the creation of an Energy Performance Contracting Program to be implemented in accordance with Chapter 489.145, Florida Statutes in the amount of \$40,000,000 for five years by waiving competitive bidding in the selection of qualified vendors and authorizing the County Mayor or his designee to execute contracts for covered purchases under \$1 million dollars with vendors in an existing State of Florida pool of prequalified energy performance contracting service providers (State DMS Contract No. 973-320-08-1 "Energy Savings"); and to exercise any and all rights conferred therein. Said contracts shall be reported to the Board on a biannual basis for ratification. The Board further authorizes the County Mayor or his designee to enter into leasing and/or other financing arrangements with third party vendors to fund energy purchases by the County, provided that the overall cost of such contract payments shall not exceed the amount of any actual annual savings arising from the implementation of the energy conservation measures. Contracts exceeding \$1 million dollars will be presented to the Board for approval.

BACKGROUND

In the ten years since it commenced in June 1998, the County has successfully utilized County Contract No. 168, "Energy Conservation Performance Program" (County Contract 168) to perform approximately \$50 million in energy conservation improvements in County facilities. These improvements have already or will, upon completion, result in a reduction in consumption of approximately 73 million kilowatt hours of electricity and 71 million gallons of water. The attached report details all projects reviewed under the current contract. County Contract 168 expires on June 2, 2008.

At Commissioner Natacha Seijas' request, a program status report was presented to the Governmental Operations and Environment Committee in September 2007. At that time, she asked staff to meet with Clerk Harvey Ruvin (in his capacity as Chairman of the Climate Change Advisory Task Force) to seek input prior to initiating the solicitation process for the replacement contract. Staff did so in December.

In addition to the above meeting, staff researched various methods by which other jurisdictions perform such improvements. In doing so, they identified a new State of Florida term contract that will enable the County to continue the work currently performed through County Contract 168. Utilizing an Invitation to Negotiate (ITN) process, the State created a pool of vendors pre-qualified to provide Energy Performance Contracting services. The state selected ten vendors, including the three currently under contract with the County. Among these ten firms are several of the largest, most experienced firms in the industry. The larger size of the pool, and breadth of experience on the part of individual firms, will provide the County with increased competition and capacity to perform energy performance improvement projects. The state pool provides for cooperative purchasing by government entities to procure these services.

A waiver of bids is requested in order to contract with the various firms in the State contract vendor pool as projects are identified and work orders issued. Staff has determined that there would be no value added by soliciting our own proposals. Contract terms and conditions will be nearly identical to the County's own practices. Also, the State pool provides ample competition, since (1) it was competitively solicited, (2) it contains many, if not all, of the known vendors providing this service – including all three of those in the County's expiring contract, as well as other firms that have recently expressed interest to staff about providing such services to the County – and (3) individual projects will be competitively solicited from among the vendors in the pool. I have attached a chart outlining the State's recommended process for awarding work within the pool.

With performance contracting, vendors assigned work guarantee that the equipment procured and installed will achieve the promised energy savings. Thus, each project assigned to an Energy Services Company (ESCO) in the pool is backed by a guarantee from that ESCO that project savings will be sufficient to cover the customer's debt service or lease payments. Should project savings (in energy and maintenance expense) fall short of the amount needed to cover the debt, the ESCO pays the difference.

Through the proposed program, the energy services companies in the pool will provide turnkey design and development energy conservation projects that pay for themselves through increased operating efficiencies and reduced energy and maintenance costs. The program will thus provide County facilities with systems and equipment that is more efficient in its usage of electricity or water. Examples of potential improvements include high-efficiency lighting, plumbing, and air conditioning fixtures and equipment, enhanced interior insulating materials, heat-absorbing and heat-reflective exterior materials, automatic (electronic) energy control systems, energy recovery systems, renewable energy (such as solar, biomass, or wind systems), as well as energy storage (such as fuel cells and thermal storage) and generating technologies (such as microturbines).

Approval of this item includes authorization for the County Mayor or his designee to enter into contracts under \$1 million dollars with vendors through a competitive process among the pool members. Contracts for which energy conservation projects exceed \$1 million dollars will be brought to the Board for approval. The allocation of \$40 million dollars for the five-year period is based upon the number and size of electricity accounts still remaining to be evaluated, and the volume of work completed under the existing County contract. It is important to note that, under the "Guaranteed Energy Performance Savings Contracting Act" (Chapter 489.145 F.S.), which regulates this program, no work can be authorized unless the annual savings to be achieved from the project is equal to or greater than the annual debt/loan payment. Actual savings achieved by implemented projects is verified each year to ensure compliance.

State of Florida Contract No.: DMS 973-320-08-1

Contract Title: Energy Savings

Description: This contract, processed by the State through an Invitation to Negotiate (ITN), established a pre-qualified pool of vendors to perform energy performance contracting.

Contract Term and Amount: \$40,000,000 for five years

Vendors:	Address	Principal
Ameresco Inc.	111 Speen St. Suite 410 Farmingham, MA 01701	David J. Anderson
BGA Inc.	3101 West Martin Luther King Jr. Blvd, #110 Tampa FL 33607	Michael W. Gibson
Chevron Energy Solutions Company a Division of Chevron USA Inc.	12980 Foster, 4th Floor Overland Park, KS 66213	John W. Mahoney
Energy Systems Group LLC	17757 U.S. Highway 19 North, Suite 210 Clearwater, FL 33764	James L. Adams
FPL Services, LLC	700 Universe Blvd. Juno Beach, FL 33408	C. Dennis Brandt
Honeywell Building Solutions	3079 Premiere Parkway Duluth, GA 30097	Vincent J. Rydzewski
Johnson Controls, Inc.	3802 Sugar Palm Drive Tampa, FL 33619	Peter A. Geist
Siemens Building Technologies Inc.	119-6 Hamilton Park Drive Tallahassee, FL 32304	George T. Burck, Jr.
TAC Americas Inc.	1650 W. Crosby Rd. Carrollton, TX 75006	Daniel G. Tews
Trane U.S. Inc.	4833 White Bear Parkway St. Paul, MN 55110	Bernard Riechers

Managing Agency: GSA manages the pool, in consultation with the Office of Sustainability, Water and Sewer, and the user agency.

Scope: Countywide

Funding Source/Fiscal Impact: Operating Funds. The annual savings through utilities and maintenance expense reductions is required to be greater than the annual cost of any loan payments. There will be no negative fiscal impact.

Performance Data: There are no known performance issues with any of the vendors.

Compliance Data: There are no compliance issues with these vendors.

Contract Measure: No measure. This is a State of Florida contract vendor pool.

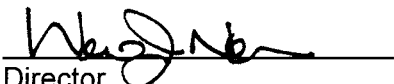
Local Preference: Not applicable

Living Wage: The Living Wage Ordinance does not apply.

User Access Program: The User Access Program provision will apply to all purchases.

State Transaction Fee	Pursuant to section 287.057(23), Florida Statutes (2002), all payments under this contract are assessed a one-percent (1%) Transaction Fee, payable to the State of Florida.
Contract Managers:	Amado Gonzalez, Department of Procurement Management Jerry S. Hall, General Services Administration
Contract Modification Effective Date:	Upon approval by the Board and expiration of the mayoral veto period.
Delegated Authority:	If this item is approved, the County Mayor or his designee will have the authority to exercise in his discretion subsequent options-to-renew, extend contracts and issue work orders valued at less than \$1 million for the purchase of goods and services in accordance with the terms and conditions of the contracts.

Most vendors also provide an option to the County to pay the cost of the energy improvements and/or equipment through a lease/purchase arrangement whereby the vendors are paid by a third party in return for a lease/purchase agreement in which the County leases the improvements and/or equipment over a specified term with title transferring to the County at the end of the term. The Resolution authorizes the County Mayor or his designee to enter into such energy leases or any other financial arrangement provided there is a finding that the annual lease payments are equal to or less than the annual energy savings being generated.



Director
General Services Administration



MEMORANDUM

(Revised)

TO: Honorable Chairman Bruno A. Barreiro
and Members, Board of County Commissioners

DATE: July 1, 2008

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

SUBJECT: Agenda Item No. 8(F) (1) (B)

Please note any items checked.

- ☐ "4-Day Rule" ("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
- ☒ Bid waiver requiring County Manager's written recommendation
- ☐ Ordinance creating a new board requires detailed County Manager's report for public hearing
- ☐ Housekeeping item (no policy decision required)
- ☐ No committee review

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(F)(1)(B)
7-1-08

RESOLUTION NO. R-740-08

RESOLUTION AUTHORIZING CREATION OF ENERGY PERFORMANCE CONTRACTING PROGRAM PURSUANT TO STATE OF FLORIDA STATUTE 489.145 IN AMOUNT OF \$40,000,000 FOR PERIOD OF FIVE YEARS; WAIVING COMPETITIVE BIDDING FOR SELECTION OF QUALIFIED VENDORS AND AUTHORIZING COUNTY MAYOR OR HIS DESIGNEE TO ENTER INTO CONTRACTS VALUED AT LESS THAN \$1 MILLION DOLLARS WITH VENDORS IN STATE OF FLORIDA POOL OF FIRMS PREQUALIFIED TO PERFORM GUARANTEED ENERGY PERFORMANCE CONTRACTING SERVICES; AUTHORIZING COUNTY MAYOR OR HIS DESIGNEE TO ENTER INTO LEASING OR OTHER FINANCIAL ARRANGEMENTS WITH THIRD PARTIES TO FINANCE SAID PURCHASES; PROVIDING FOR BIENNIAL REPORT TO THE BOARD FOR RATIFICATION OF ALL CONTRACTS APPROVED UNDER PROGRAM; AND AUTHORIZING COUNTY MAYOR OR HIS DESIGNEE TO EXERCISE ANY AND ALL OTHER RIGHTS CONFERRED HEREIN

WHEREAS, Pursuant to Section 489.145, Florida Statutes ("Act"), Miami-Dade County ("County") has successfully conducted a guaranteed energy performance savings contracting program for the last ten years through County Contract No. 168, "Energy Conservation Performance Program," which expires on June 2, 2008; and

WHEREAS, the State of Florida recently established a similar program under DMS Contract No. 973-320-08-1, "Energy Savings," that includes a pool of pre-qualified vendors that is opened from time to time to maximize participation ("State Vendors"); and

WHEREAS, this Board wishes to expedite the establishment of a new guaranteed energy performance savings contracting program ("Energy Savings Program") by waiving competitive bids for the selection of vendors and utilizing the State Vendors; and

WHEREAS, the Board wishes to authorize the funding of each energy contract through a lease/purchase or other financial arrangement with a third party provided by a selected vendor, provided there is a savings; and

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum which is incorporated in this resolution by reference,

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

Section 1. An Energy Savings Program in the amount of \$40,000,000 is created for a five year period pursuant to the Act for the purpose of evaluating, recommending and implementing energy conservation measures to reduce energy and operating costs in County facilities.

Section 2. The Board waives competitive bidding for the selection of qualified vendors and authorizes the County Mayor or his designee to enter into contracts valued at less than \$1 million dollars with State Vendors. The County Mayor or his designee shall also be authorized to exercise any and all rights conferred therein, except that any amendment or renewal which would bring the value of the contract to the amount of \$1 million or more shall require the advance approval of the Board of County Commissioners.

Section 3. The County Mayor or his designee is authorized to enter into lease/purchase or other financing contractual arrangements with third parties recommended by the vendors to finance the purchase of energy saving equipment and/or improvements, provided that the overall cost of such payments shall not exceed the amount of any actual annual savings arising from the implementation of the energy conservation measures.

Section 4. The Mayor or his designee shall report to the Board on a biannual basis for ratification of all contracts entered into under the Energy Savings Program.

The foregoing resolution was offered by Commissioner **Jose "Pepe" Diaz**, who moved its adoption. The motion was seconded by Commissioner **Rebeca Sosa** and upon being put to a vote, the vote was as follows:

	Bruno A. Barreiro, Chairman	absent
	Barbara J. Jordan, Vice-Chairwoman	aye
Jose "Pepe" Diaz	aye	Audrey M. Edmonson aye
Carlos A. Gimenez	aye	Sally A. Heyman aye
Joe A. Martinez	absent	Dennis C. Moss aye
Dorrin D. Rolle	absent	Natacha Seijas aye
Katy Sorenson	aye	Rebeca Sosa aye
Sen. Javier D. Souto	aye	

The Chairperson thereupon declared the resolution duly passed and adopted this 1st day of July, 2008. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

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

HARVEY RUVIN, CLERK



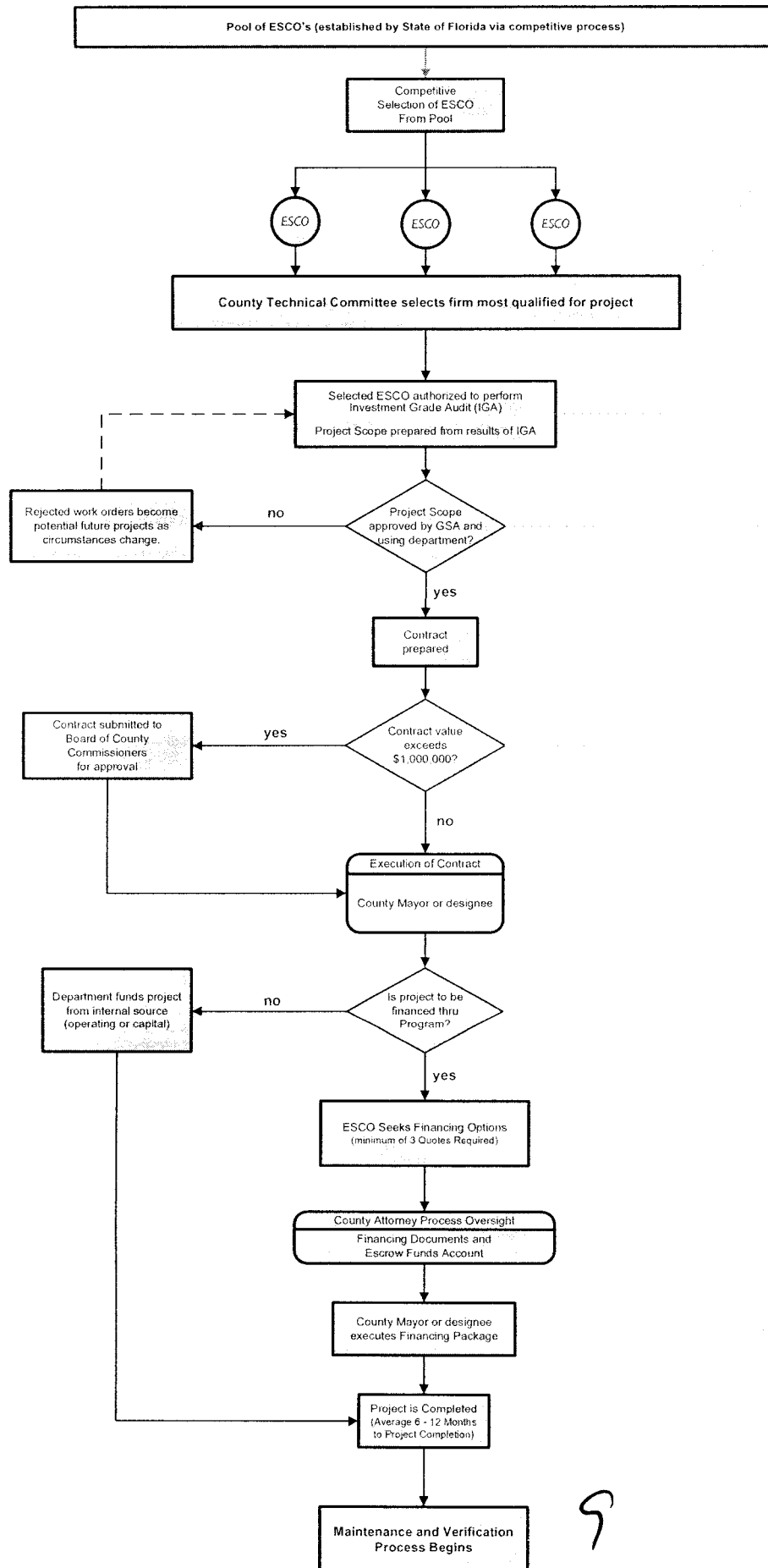
By: **Kay Sullivan**
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

Hugo Benitez

Energy Performance Contracting Program

Proposed Process for New Program



NOTES:

F.S. 287.055 4 (A)

1. Agency shall evaluate current statements of qualifications and performance data of firms that are on the State Term Contract

2. Agency shall conduct discussions with no fewer than three firms (ESCO's).

3. Agency may require public presentations regarding their qualifications, approach to the project and ability to furnish required services.

F.S. 287.055 4 (B)

Agency shall rank the three deemed most highly qualified firms (ESCO) based on but not limited to;

1. Agency business history
2. Current workloads
3. Past performances (reference, budget, timeliness, etc)
4. Minority business enterprise
5. Professional personnel

ESCO will give detailed analysis on each ECM they are proposing, including energy and operating savings.

Assumptions, baselines and adjustment criteria must be predetermined in the IGA.

Proposal includes unit prices, and it must guarantee savings.

Contracts of greater than or equal to \$1 million will be taken to the Board for approval.

Successive draws (payments) are made to the ESCO from the escrow account as the project progresses.

Loan repayment does not start until project is completed, however interest accrues during this period.

Funds in escrow are in an interest bearing account.

During the repayment period, the ESCO is required to submit to GSA a verification report in order to monitor accuracy of original assumptions, baselines, and baseline adjustment criteria.

9

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)



Initial Project Details

Current Status

Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	Department Reject	Pending Final Action by County	Underway	Completed	Comments
A001	Corrections	Women's Detention Center	Electrical & Water Improvements - CRD Phase 1	\$502,141	\$696,025	\$69,602	Nov-2010	\$71,066	7.1	FPL					X	Completed in December 2000
A001.1	Corrections	Women's Detention Center	Replacement of lighting fixtures. Replacement of chiller and cooling tower. Replacement of water closet flush valves, lavatory faucets, shower heads and kitchen faucets Installation of dedicated water meter for cooling tower.													
A002	GSA	Multiple GSA Facilities	Electrical & Water Improvements - GSA Phase 1	\$1,154,463	\$1,435,048	\$155,140	Jan-2011	\$162,800	7.1	FPL					X	Completed in March 2001
A002.1	GSA	Cooperative Extension	Lighting retrofit.													
A002.2	GSA	Data Center	Lighting retrofit. Replacement of chiller and chilled water pumps. Replacement of air handler motors.													
A002.3	GSA	West Flagler Building	Lighting retrofit. Replacement of toilets, urinal valves and lavatory faucets.													
A002.4	GSA	South Dade Gov. Center	Lighting retrofit. Installation of backup generator and switchgear.													
A003	GSA	Multiple GSA Facilities	Electrical & Water Improvements - GSA Phase 2	\$1,894,873	\$2,361,374	\$255,284	Jan-2011	\$286,368	6.6	FPL					X	Completed in September 2001
A003.1	GSA	Carol Day Care Center	Lighting retrofit.													
A003.2	GSA	Central Support Facility	Lighting retrofit.													
A003.3	GSA	Courthouse Building	Lighting retrofit.													
A003.4	GSA	Courthouse Center	Lighting retrofit.													
A003.5	GSA	Cultural Center	Lighting retrofit. Replacement of toilets, urinal valves and lavatory faucets.													
A003.6	GSA	Hickman Building	Lighting retrofit. Replacement of toilets and urinal valves.													
A003.7	GSA	Stephen P. Clark Building	Lighting retrofit. Replacement of toilets, urinal valves and lavatory faucets. Replacement of wash down hose station.													
A004	Corrections	Multiple CRD Facilities	Electrical & Water Improvements - CRD Phase 1	\$4,518,152	\$5,995,620	\$631,118	Feb-2012	\$730,216	6.2	FPL					X	Completed in December 2002
A004.1	Corrections	Pre-Trial Detention Center	Replacement of lighting fixtures. Replacement of water closets, lavatory faucets, shower heads and kitchen faucets. Replacement of gas boiler with more efficient water heater. Repairs of plumbing system leaks. Replacement of ice machines, washers and dryers. Installation of new trash compactors and ballers. Installation of dedicated water meter for cooling tower. Adoption of load control rate through use of existing generators and additional switchgear.													

10

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)

Initial Project Details																	Current Status			
Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	ESCO Reject	Department Reject	Pending Final Action by County	Underway	Completed	Comments			
A004.2	Corrections	Metro-West Detention Center	Replacement of lighting fixtures. Replacement of water closets, lavatory faucets, shower heads and kitchen faucets. Replacement of ice machines, washers and dryers. Installation of new trash compactors and ballers. Installation of heat pumps to provide hot water and take up some of the A/C load. Installation of filters for domestic water supply into the facility. Adoption of load control rate through use of existing generators and additional switchgear																	
A005	GSA	Multiple GSA Facilities	Electrical Improvements - GSA Phase 3	832,042	1,199,792	145,429	Apr-2012	149,465	5.6	FPL						X	Completed in February 2004			
A005.1	GSA	Gerstein Justice Building	Lighting retrofit																	
A005.2	GSA	Graham Building	Lighting retrofit																	
A005.3	GSA	Caleb Center	Lighting retrofit																	
A005.4	GSA	Medical Examiner's Bldg.	Lighting retrofit																	
A005.5	GSA	Juvenile Justice Facility	Lighting retrofit																	
A005.6	GSA	Records Center	Lighting retrofit																	
A005.7	GSA	CAA Building	Lighting retrofit																	
A005.8	GSA	"old" Emergency Operations Center	Lighting retrofit																	
A005.9	GSA	North Dade Justice Bldg.	Lighting retrofit																	
A006	Corrections and GSA	Justice Center Facilities	Mechanical System Improvements - GSA/CRD Buildings in Justice Center	\$3,150,845	\$3,346,030	\$223,069	Dec-2019	\$224,807	14.0	FPL						X	Completed in March 2007			
A006.1	Corrections and GSA	Gerstein Building	Replacement of chiller, chilled water pump motors. Installation of Variable Frequency Drives for cooling towers and chilled water pumps. Installation of two-way valves to serve building with variable chilled water flow.																	
A006.2	Corrections and GSA	Pre-Trial Detention Center	Installation of larger capacity chillers in order to serve the Graham Building through a "district cooling" arrangement. Installation of Variable Frequency Drives for cooling towers and chilled water pumps. Installation of two-way valves in order to serve building with variable chilled water flow.																	
A006.3	Corrections and GSA	Graham Building	Piping connection from the Pre-Trial Detention Center to serve this building with chilled water from that facility. Repairs to existing cooling tower, which is to remain as a backup. Installation of two-way valves in order to serve building with variable chilled water flow.																	
A006.4	Corrections and GSA	Public Defender's Building	Installation of two-way valves to serve existing air handlers with variable chilled water flow.																	

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)



Initial Project Details

Current Status

Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	ESCO Reject	Department Reject	Pending Final Action by County	Underway	Completed	Comments
A007	Aviation	Miami International Airport	Electrical & Chilled Water System Improvements - MIA Bldg 25, 100 and Garages	\$3,291,482	\$4,033,024	\$403,302	Feb-2015	\$497,341	6.6	FPL						X	Completed in January of 2006
A007.1	Aviation	Building 25	Lighting retrofit and Time of Use controls for lighting systems. Replacement of Air Handler Units. Installation of Variable Frequency Drives on units.														
A007.2	Aviation	Building 100	Lighting retrofit. Replacement of chillers and chilled water pumps. Optimization of chilled water system. Refurbishing of existing cooling towers. Replacement of toilets. Installation of water management controls for the irrigation system.														
A007.3	Aviation	Dolphin Parking Garage	Lighting retrofit.														
A007.4	Aviation	Flamingo Parking Garage	Lighting retrofit.														
A007.5	Aviation	Parking Garage # 8	Lighting retrofit.														
A007.6	Aviation	Parking Garage # 3094	Lighting retrofit.														
A008	Aviation	Miami International Airport	Chilled Water System Improvements - MIA Central Chilled Water Plants East and West	\$5,499,906	\$6,967,428	\$690,984	Sep-2016	\$747,616	7.4	FPL						X	Completed in November of 2006
A008.1	Aviation	Central Chilled Water Plants	Installation of additional chiller and appurtenances at Central Chilled Water Plant East. De-commissioning of Central Chilled Water Plant West.														
A009	GSA	Downtown GSA Buildings	Improvements to GSA Downtown Chilled Water Loop	\$4,078,419	\$3,091,873	\$265,018	Mar-2018	\$387,100	10.5	FPL						X	Completed in January 2008. This project was not entirely financed; the County made a cash contribution to reduce the financed amount.
A009.1	GSA	Central Support Facility	Replacement of chilled water pump motors and installation of Variable Frequency Drives for the motors at the Chilled Water Plant.														
A009.2	GSA	Stephen P. Clark Building	Replacement of primary chilled water pumps and motors. Replacement of secondary chilled water pump motors and installation of Variable Frequency Drives. Installation of preliminary means to "blend" chilled water in anticipation of a possible future connection to a different source of chilled water.														
A009.3	GSA	Courthouse Building	Replacement of primary chilled water pump motors and installation of Variable Frequency Drives. Replacement of secondary chilled water pump motors and installation of Variable Frequency Drives. Installation of preliminary means to "blend" chilled water in anticipation of a possible future connection to a different source of chilled water.														

12

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)

Initial Project Details																	Current Status			
Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	ESCO Reject	Department Reject	Pending Final Action by County	Underway	Completed	Comments			
A009.4	GSA	Cultural Center	Replacement of primary chilled water pump motors and installation of Variable Frequency Drives. Removal of "Heat Pipes" from various air handlers. Installation of preliminary means to "blend" chilled water in anticipation of a possible future connection to a different source of chilled water.																	
A009.5	GSA	Courthouse Center	Replacement of primary chilled water pump motor and installation of Variable Frequency Drive. Replacement of secondary chilled water pump motors and installation of Variable Frequency Drives. Installation of preliminary means to "blend" chilled water in anticipation of a possible future connection to a different source of chilled water.																	
A009.6	GSA	Hickman Building	Replacement of secondary chilled water pump motors and installation of Variable Frequency Drives. Installation of preliminary means to "blend" chilled water in anticipation of a possible future connection to a different source of chilled water.																	
A009.7	GSA	West Flager Building	Replacement of primary chilled water pump motor and installation of Variable Frequency Drive. Replacement of secondary chilled water pump motors and installation of Variable Frequency Drives. Installation of preliminary means to "blend" chilled water in anticipation of a possible future connection to a different source of chilled water.																	
A009.8	GSA	Overtown Transit Village	Connection of the facility to the chilled water loop.																	
C001	GSA	Public Defender's Building (GSA)	Electrical & HVAC Improvements - GSA (PD Bldg)	\$155,830	\$206,967	\$20,697	Feb-2010	\$34,570	4.5	SIE						X	Completed in March of 2000			
C001.1	GSA	Public Defender's Building	Lighting retrofit. Upgrade of Building Management System. Improvements to Outside Air Controls. Installation of new fan coil unit for Computer Room.																	
C002	Water & Sewer	Multiple WASD Plants	Electric & Mechanical Improvements - WASD Phase 1	\$1,462,972		NOT FINANCED		\$204,390	7.2	SIE						X	Completed in July of 2004			
C002.1	Water & Sewer	Hialeah Water Treatment Plant	Lighting retrofit.																	
C002.2	Water & Sewer	North District Wastewater Treatment Plant	Lighting retrofit. Replacement of motors for the Oxygen Mixers. Replacement of motors for the Return Aerated Sludge (RAS) Pumps. Replacement of motors for the Sludge Transfer (ST) Pumps. Installation of Variable Frequency Drives for the RAS and ST pumps.																	

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)

Initial Project Details																	Current Status				
Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	ESCO Reject	Department Reject	Pending Final Action by County	Underway	Completed	Comments				
C003	Fire Rescue	Fire Rescue Headquarters	Electrical & Mechanical Improvements - Fire HQ	\$1,307,292	\$2,210,854	\$147,390	Jun-2018	\$166,696	7.8	SIE						X	Completed in March 2004				
C003.1	Fire Rescue	Headquarters Building	Replacement of lighting fixtures in utility plant. Replacement of air handlers. Replacement of chillers and chilled water pumps. Upgrade of Building Management System. Installation of Variable Frequency Drives on pumps and air handlers. Adoption of Curtailable Electric Rate through use of existing generator.																		
C004	Fire Rescue	Multiple Fire Rescue Stations	Electrical, Water & HVAC Improvements - Fire Stations	\$773,421	\$977,914	\$93,880	Jun-2014	\$106,195	7.3	SIE						X	Completed in November 2005				
C004.1	Fire Rescue	No. 1 (Miami Lakes)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.																		
C004.10	Fire Rescue	No.11 (Carol City)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.																		
C004.11	Fire Rescue	No. 14 (South Miami)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.																		
C004.12	Fire Rescue	No. 15 (Key Biscayne)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.																		
C004.13	Fire Rescue	No. 16 (Homestead)	Lighting retrofit. Replacement of plumbing fixtures. Replacement of A/C unit.																		
C004.14	Fire Rescue	No. 17 (Virginia Gardens)	Lighting retrofit. Replacement of A/C unit.																		
C004.15	Fire Rescue	No. 19 (North Miami - West)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.																		
C004.16	Fire Rescue	No. 20 (North Miami - East)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.																		
C004.17	Fire Rescue	No. 21 (Haulover)	Lighting retrofit. Replacement of plumbing fixtures. Replacement of A/C units.																		
C004.18	Fire Rescue	No. 22 (Interloma)	Lighting retrofit. Replacement of plumbing fixtures. Use of cheaper electric rate.																		
C004.19	Fire Rescue	No. 23 (Kendall - South)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.																		
C004.2	Fire Rescue	No. 2 (Model Cities)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.																		
C004.20	Fire Rescue	No. 26 (Opa-Locka)	Lighting retrofit. Replacement of Air Handling Unit. Replacement of plumbing fixtures.																		

14

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)

Initial Project Details

Current Status

Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	ESCO Reject	Department Reject	Pending Final Action by County	Underway	Completed	Comments
C004.21	Fire Rescue	No. 27 (North Bay Village)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.														
C004.22	Fire Rescue	No. 29 (Sweetwater)	Lighting retrofit. Replacement of plumbing fixtures. Replacement of A/C unit.														
C004.23	Fire Rescue	No. 30 (Miami Shores)	Lighting retrofit.														
C004.24	Fire Rescue	No. 31 (Sun Ray)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.														
C004.25	Fire Rescue	No. 34 (Cutter Ridge)	Lighting retrofit. Replacement of plumbing fixtures. Replacement of A/C units.														
C004.26	Fire Rescue	No. 36 (Hammocks)	Lighting retrofit. Replacement of plumbing fixtures. Replacement of A/C units.														
C004.27	Fire Rescue	No. 37 (West Bird)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.														
C004.28	Fire Rescue	No. 38 (Golden Glades)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.														
C004.29	Fire Rescue	No. 41 (Miami Gardens)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.														
C004.3	Fire Rescue	No. 4 (Coral Reef)	Lighting retrofit. Replacement of plumbing fixtures. Replacement of A/C unit.														
C004.30	Fire Rescue	No. 42 (Fisher Island)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.														
C004.31	Fire Rescue	No. 43 (Richmond)	Replacement of toilets, urinal valves, shower heads.														
C004.32	Fire Rescue	No. 49 (Pinecrest)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.														
C004.4	Fire Rescue	No. 5 (Princeton)	Lighting retrofit. Replacement of plumbing fixtures. Replacement of A/C unit.														
C004.5	Fire Rescue	No. 6 (Modello)	Lighting retrofit. Replacement of toilets, urinal valves and shower heads.														
C004.6	Fire Rescue	No. 7 (West Little River)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.														
C004.7	Fire Rescue	No. 8 (Aventura)	Lighting retrofit. Replacement of plumbing fixtures. Replacement of A/C unit.														
C004.8	Fire Rescue	No. 9 (Kendall)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.														

15

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)



Initial Project Details

Current Status

Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	ESCO Reject	Department Reject	Pending Final Action by County	Underway	Completed	Comments
C004.9	Fire Rescue	No. 10 (Sunny Isles)	Lighting retrofit. Replacement of toilets, urinal valves, shower heads.														
C005	Water & Sewer	South District Wastewater Treatment Plant	Improvement to Methane Gas System	\$805,200	NOT FINANCED			\$176,733	4.6	SIE						X	Completed in December 2007.
C005.1	Water & Sewer	South District Wastewater Treatment Plant	Installation of compressors and other apertures in order to ensure proper gas stratification in the storage spheres.														
C006	GSA	Multiple GSA Facilities	Mechanical System Improvements - GSA Phase 4	\$833,365	\$876,606	\$87,661	Jun-2015	\$117,952	7.1	SIE						X	Completed in March 2006
C006.1	GSA	Courthouse Building	Upgrade of controls for existing Air Handler Units.														
C006.2	GSA	West Flagler Building	Upgrade of controls for existing Air Handler Units.														
C006.3	GSA	Gerstein Justice Building	Installation of controls for existing lighting system														
C006.4	GSA	North Dade Justice Building	Replacement of chillers, chilled water pumps and motors, and cooling towers.														
C006.5	GSA	Coral Gables Courthouse	Installation of controls for existing air conditioning units. Lighting retrofit.														
C006.6	GSA	Graham Building	Installation of Variable Frequency Drives for existing Air Handler Units.														
D001	GSA	Metro Annex Building (GSA)	Electrical & HVAC Improvements - GSA (Metro Annex)	\$181,077	NOT FINANCED			\$22,989	7.9	CHE						X	Completed in March 2004
D001.1	GSA	Metro Annex Building	Lighting retrofit, replacement of chiller and chilled water pump. Upgrade of bldg management system and outside air system.														
D002	Miami-Dade Police	MDPD Headquarters Building	Electrical & Mechanical Improvements - MDPD HQ	\$1,860,641	\$1,609,702	\$157,044	Sep-2012	\$163,570	11.4	CHE						X	Completed in June 2004. This project was not entirely financed; the County made a cash contribution to reduce the financed amount.
D002.1	Miami-Dade Police	Headquarters Building	Lighting retrofit. Installation of Variable Speed Chiller. Installation of Variable Frequency Drives for Cooling Tower fan motors and control of cooling tower fans based on Wet Bulb Temperature. Installation of Variable Frequency Drives for Air Handler and pump motors. Replacement of chilled water and condenser water pump motors. Replacement of Air Handler Motors. Upgrade of building controls.														

16

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)

Initial Project Details																	Current Status				
Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	ESCO Reject	Department Reject	Pending Final Action by County	Underway	Completed	Comments				
D003	Libraries	Multiple Libraries	Electrical & HVAC System Improvements - Libraries	\$1,299,332	\$1,792,908	\$147,362	Mar-2016	\$151,309	8.6	CHE						X	Completed in January 2005				
D003.1	Libraries	Coral Gables Regional Library	Lighting retrofit. Replacement of chiller. Replacement of chilled and condenser water pumps. Installation of Variable Frequency Drives for Air Handlers. Upgrade of Outside Air System. Upgrade of Building Management System. Installation of dedicated water meter for cooling tower.																		
D003.10	Libraries	West Kendall Regional Library	Lighting retrofit. Replacement of Air Handler Motors.																		
D003.2	Libraries	Coral Reef Library	Lighting retrofit. Installation of Programmable Thermostats.																		
D003.3	Libraries	Edison Center Library	Lighting retrofit. Installation of Programmable Thermostats.																		
D003.4	Libraries	Kendall Regional Library	Lighting retrofit. Installation of Programmable Thermostats.																		
D003.5	Libraries	Miami Lakes Library	Lighting retrofit. Installation of Programmable Thermostats.																		
D003.6	Libraries	North Dade Regional Library	Lighting retrofit. Replacement of chilled water pump and motors. Installation of Variable Frequency Drives for Air Handlers. Upgrade of Outside Air System.																		
D003.7	Libraries	North Shore Library	Lighting retrofit. Installation of Programmable Thermostats.																		
D003.8	Libraries	South Dade Regional Library	Lighting retrofit. Replacement of Air Handler Motors. Installation of Variable Frequency Drives for Air Handlers.																		
D003.9	Libraries	West Dade Regional Library	Lighting retrofit. Replacement of chiller. Replacement of cooling tower. Upgrade of Building Management System. Replacement of Air Handler Motors. Installation of Variable Frequency Drives for Air Handlers.																		

17

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)

Initial Project Details												Current Status					
Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	ESCO Reject	Department Reject	Pending Final Action by County	Underway	Completed	Comments
D004	Corrections	Turner Gifford Knight Center	Electrical, Water & Mechanical Improvements - CRD TKG Replacement of lighting fixtures. Replacement of motors for air handlers and chilled water pumps. Upgrade of Building Management System. Conversion of electric generators to dual fuel and adoption of Load Control Rate. Replacement of water closets and urinal valves.	\$2,420,802		NOT FINANCED		\$239,970	10.1	CHE						X	Completed in October 2006
D004.3	Corrections	Turner Gifford Knight Center															
PWD1	Public Works	Multiple PWD Facilities	Electrical, Water & HVAC Improvements - PWD Facilities	\$149,043		N/A		\$20,005	7.5	CHE			X				Project has been audited; however, its relatively small size, it makes it a poor candidate for financing on its own. It will be considered for bundling later with other moveable projects.
PWD1.1	Public Works	Mosquito Control Building	Lighting retrofit. Installation of occupancy sensors. Installation of aerators in lavatory faucets, replacement of urinal and toilets flush valves.														
PWD1.2	Public Works	RAAM Building	Lighting retrofit. Installation of occupancy sensors. Installation of programmable thermostats.														
PWD1.3	Public Works	Rickenbacker Toll Booth and Maintenance Building	Lighting retrofit, including replacement of incandescent traffic signal lights at plaza with LED's. Replacement of Air Conditioning unit. Installation of aerators in lavatory faucets, replacement of toilets.														
PWD1.4	Public Works	Road, Bridges and Canal Maintenance Building	Lighting retrofit. Installation of programmable thermostats. Installation of aerators in lavatory faucets, replacement of urinal and toilets flush valves.														
PWD1.5	Public Works	Traffic Signals and Signs Building	Lighting retrofit. Installation of occupancy sensors. Replacement of Air Conditioning units Installation of aerators in lavatory faucets, replacement of urinal and toilets flush valves.														
SEA1	Seaport	Port of Miami	Electrical & HVAC Improvements - Seaport	\$273,457		N/A		\$42,448	6.4	CHE			X				Department elected to conduct energy conservation projects with department staff rather than this program.
SEA1.1	Seaport	Terminals 6 & 7	Lighting retrofit. Upgrade of building controls.														

18

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)

Initial Project Details																	Current Status						
Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	ESCO Reject	Department Reject	Pending Final Action by County	Underway	Completed	Comments						
SEA2	Seaport	Port of Miami	Electrical & HVAC Improvements - Seaport	\$745,731		N/A		\$119,507	6.2	HW			X				Department elected to conduct energy conservation projects with department staff rather than this program. (The vendor, Honeywell, later dropped out of the program.)						
SEA2.1	Seaport	Building 1007	Lighting retrofit. Installation of Variable Frequency Drives for chilled water pumps. Upgrade of building controls.																				
SEA2.2	Seaport	Building 1080	Lighting retrofit. Installation of Emergency Generator and adoption of Load Control Electric Rate. Replacement of motors on Air Handlers.																				
SEA3	Seaport	Port of Miami	Electrical and mechanical improvements	\$924,657		N/A		\$174,293	4.7	SIE			X				Department elected to conduct energy conservation projects with department staff rather than this program. (The vendor, Honeywell, later dropped out of the program.)						
SEA3.1	Seaport	Building 1050	Lighting retrofit. Installation of Variable Frequency Drives on Air Handlers and Cooling Tower motors. Upgrade of Building Management System. Installation of lighting controls.																				
PARK1	Parks & Recreation	Multiple Parks Facilities	None	N/A		N/A		N/A	N/A	MULT		X					Note: A preliminary audit was conducted in several of the department's major facilities. The audit indicated that the department has little opportunities for savings at that time. A re-auditing of sites at a future time may be warranted, as technologies evolve.						
PARK1.1	Parks & Recreation	Various	See further comments >>																				
SWM1	Solid Waste	Multiple SWM Facilities	No measures recommended by ESCO in its audit. See comments.	N/A		N/A		N/A	N/A	SIE		X					A preliminary audit was conducted of all of the department's major facilities. As a result, the ESCO indicated that the department had very little opportunities for savings under the structure of the contract and the available technology at the time.						
SWM1.1	Solid Waste	Various	See further comments >>																				

19

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)

Initial Project Details																	Current Status					
Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	ESCO Reject	Department Reject	Pending Final Action by County	Underway	Completed	Comments					
GSA1	GSA	Multiple GSA Facilities	Electrical, Water & HVAC Improvements - GSA	\$154,551		N/A		\$18,851	8.2	CHE				X			Project has been audited; however, its relatively small size and lengthy payback makes it a poor candidate for financing on its own. It will be considered for bundling later with other more-viable projects.					
GSA1.1	GSA	Downtown Motor Pool facility	Lighting retrofit. Installation of occupancy sensors for light control. Replace urinal flush valves and replace aerators on lavatory faucets.																			
GSA1.2	GSA	Fleet Shop No. 2	Lighting retrofit. Installation of occupancy sensors for light control. Installation of programmable thermostats. Replacement of Air Conditioning equipment.																			
GSA1.3	GSA	Fleet Shop No. 3A	Lighting retrofit. Installation of occupancy sensors for light control. Installation of programmable thermostats. Replacement of toilets, urinal flush valves, and aerators in lavatory faucets.																			
GSA1.4	GSA	Fleet Shop No. 3B	Lighting retrofit. Installation of occupancy sensors for light control. Installation of programmable thermostats. Replacement of toilets, urinal flush valves, and aerators in lavatory faucets.																			
GSA1.5	GSA	Police Station No. 8 Shop	Lighting retrofit. Installation of occupancy sensors for light control. Replacement of Air Conditioning equipment. Replacement of toilets, urinal flush valves, and aerators in lavatory faucets.																			
GSA1.6	GSA	Police Station No. 9 Shop	Installation of occupancy sensors for light control. Installation of programmable thermostats. Replacement of toilets, urinal flush valves, aerators in lavatory faucets, and shower heads.																			
GSA2	GSA	Multiple GSA Facilities	Electrical, Water & HVAC Improvements - GSA Materials Mgmt.	\$308,154		N/A		\$28,094	10.6	SIE				X			Project has been audited; however, its relatively small size and lengthy payback makes it a poor candidate for financing on its own. It will be considered for bundling later with other more-viable projects.					
GSA2.1	GSA	Materials Management Building	Lighting retrofit. Replacement of A/C units. Upgrade of Building Management System.																			

20

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)

Initial Project Details																	Current Status				
Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	ESCO Reject	Department Reject	Pending Final Action by County	Underway	Completed	Comments				
GSA2.2	GSA	County Store	Lighting retrofit. Upgrade of Building Management System. One-time preventive maintenance service of A/C equipment																		
WASD1	Water & Sewer	South District Wastewater Treatment Plant	Electrical Improvements at South District Wastewater Treatment Plant	\$826,081	NOT FINANCED			\$173,514	4.8	SIE				X			This proposal has been under review by the department since March 2006. Since the proposal was issued after the one for the Central Treatment Plant, a decision was deferred until after final action was taken on the Central Plant. With that recent approval, the ESCO was requested to re-audit the South Plant.				
WASD1.1	Water & Sewer	South District Wastewater Treatment Plant	Lighting retrofit. Replacement of motors for the oxygen mixers.																		
DHS1	Human Services	Multiple DHS Facilities	Electrical, Water & HVAC Improvements - DHS	\$1,000,000		N/A		N/A	N/A	SIE	X						A preliminary survey of the facilities was made by the ESCO. The report indicated there was some opportunity for savings in some of the facilities, but with more than likely with a less than attractive overall payback. Due to its preliminary nature, the report included title in terms of specific measures, with the only exception being the North Dade Victims Center. Because of the limited opportunity, the uncertainty about the future of some of the facilities, and the use of Federal Funds in some instances, the department rejected the proposal.				
DHS1.1	Human Services	Opa-Locka Neighborhood Service Center	*Significant opportunities* per audit report																		
DHS1.2	Human Services	North Dade Victims Center	*Significant opportunities*																		
DHS1.3	Human Services	Edison West Little River Service Center	*Marginal opportunity*																		
DHS1.4	Human Services	Emergency Housing Center	*Little opportunity*																		
DHS1.5	Human Services	Culmer/Overthwon Neighborhood Service Center	*Marginal opportunity*																		
DHS1.6	Human Services	Frankie Shannon Rolle Center	*Significant opportunities*																		
DHS1.7	Human Services	West Dade Adult Care Center	*Little opportunity*																		

21

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)

MIAMI
AIRPORT

Initial Project Details

Current Status

Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	ESCO Reject	Department Reject	Pending Final Action by County	Underway	Completed	Comments
MDHA1	MDHA	Multiple MDHA Facilities	Electrical Water & HVAC Improvements - MDHA	N/A		N/A		N/A	N/A	MULT	X						Note: Two ESCO's were assigned and audits were completed of some of the department's facilities. The reports indicated considerable opportunities for both energy and water savings. However, it was later determined that due to its use of Federal Funds being in conflict with some clauses in the County's contract, the department cannot make use of the program.
MDHA1.1	MDHA	Various		See Status													
MDT1	Miami-Dade Transit	Multiple MDT Facilities	Electrical & HVAC Improvements - MDT	\$901,570		N/A		\$118,256	7.6	CHE	X						Due to the department's use of federal funds, they cannot access the current contract.
MDT1.1	Miami-Dade Transit	MDTA, Claude Rolle Transportation and Maintenance Buildings	Lighting retrofit. Replacement of Air Conditioning Units. Installation of programmable thermostats. Installation of ceiling fans. Installation of window films.														
MDT1.2	Miami-Dade Transit	MDTA, Administration Building	Lighting retrofit. Upgrade of building controls. Programming of existing Energy Management System. Replacement of Water Pump motor. Replacement of Variable Frequency Drives for Air Handling Units.														
A010	Aviation	Miami International Airport	Electrical and Chilled Water Systems Improvements - MIA Terminals	\$11,022,143	\$14,803,424	\$1,233,619	Nov-2020	\$1,268,340	8.7	FPL					X		Project has been authorized, and is scheduled for completion in November 2009
A010.1	Aviation	Terminals and Concourses	Lighting retrofit. Installation of occupancy sensors. Replacement of air handler units and controls. Replacement of Secondary Chilled Water. Pumps and repairs to "Bridge Tender" of chilled water system.														
C007	Water & Sewer	Central District Wastewater Treatment Plant	Electrical Improvements - WASHCO Central District Wastewater District Plant	\$998,657		N/A		\$167,282	6.0	SIE					X		Project was recently authorized, and is scheduled for completion in June 2009
C007.1	Water & Sewer	Central District Wastewater Treatment Plant	Lighting retrofit. Replacement of motors for the oxygen mixers.														
C008	Aviation	Miami International Airport	Mechanical System Improvements - MIA Bldg 60 & 60A	\$2,772,097		\$220,708		\$302,266	9.2	SIE					X		Project was recently authorized, and is scheduled for completion in November 2009
C008.1	Aviation	Building 60 & 60A	Replacement of chiller, air handling units and cooling tower.														

22

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)

Initial Project Details																	Current Status			
Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	ESCO Reject	Department Reject	Pending Final Action by County	Underway	Completed	Comments			
C009	GSA	Multiple GSA Facilities	Electrical & Mechanical Improvements - GSA Phase 2	\$1,725,334	\$2,225,061	\$222,506	Aug-2018	\$229,092	8.6	SIE						X		Scheduled for completion in November 2008.		
C009.1	GSA	Elections Department Building	Replacement of air conditioning units. Upgrade of Building Management System.																	
C009.10	GSA	South Dade Government Center	Replacement of chiller and condenser water pumps and motors. Upgrade of Building Management System. Upgrade of Outside Air System.																	
C009.4	GSA	Hickman Building	Installation of Variable Frequency Drives on Air Handling Units.																	
C009.5	GSA	Parking Garage No. 5	Lighting retrofit.																	
C009.6	GSA	West Dade Permitting and Information Center	Upgrade of Building Management System.																	
D005	Miami-Dade Police	Multiple MDPD Stations	Electrical, Water & Mechanical Improvements - MDPD facilities	\$1,009,922		\$125,640		\$127,931	7.9	CHE						X		Project authorized and commenced in January 2008.		
D005.1	Miami-Dade Police	Station No. 1 (Miami Lakes)	Lighting retrofit. Replacement of toilets and urinal flush valves. Installation of aerators on lavatory faucets.																	
D005.2	Miami-Dade Police	Station No. 2 (Northside)	Lighting retrofit. Upgrade of building controls. Replacement of cooling coils. Replacement of toilets and urinal flush valves. Installation of aerators on lavatory faucets.																	
D005.3	Miami-Dade Police	Station No. 4 (Cutter Ridge)	Lighting retrofit. Upgrade of building controls. Replacement of toilets and urinal flush valves. Installation of aerators on lavatory faucets.																	
D005.4	Miami-Dade Police	Station No. 5 (Kendall)	Replacement of toilets and urinal flush valves. Installation of aerators on lavatory faucets. Lighting retrofit. Upgrade of building controls. Replacement of cooling coils.																	
D005.5	Miami-Dade Police	Station No. 6 (Intracoastal)	Lighting retrofit. Replacement of toilets and urinal flush valves. Installation of aerators on lavatory faucets.																	
D005.6	Miami-Dade Police	Station No. 8 (Hammocks)	Lighting retrofit. Replacement of toilets and urinal flush valves. Installation of aerators on lavatory faucets.																	
D005.7	Miami-Dade Police	Training Bureau	Lighting retrofit. Replacement of A/C Condensing Units. Upgrade of building controls. Replacement of toilets and urinal flush valves. Installation of aerators on lavatory faucets.																	

23

Energy Performance Contracting Program Status Report

County Contract No. 168 (June 1998 - June 2008)

Initial Project Details											Current Status						
Work Order No.	County Department	Facility	Project Description / Measures	Project Cost	Financed Cost (P & I)	Annual Payments	Date of Last Payment	Annual Savings	Simple Payback (Years)	Energy Services Company (ESCO)	Prohibited by Federal Funding	ESCO Reject	Department Reject	Pending Final Action by County	Underway	Completed	Comments

QUICK SUMMARY							
Prohibited by Federal Funding							
ESCO Reject				Project Cost	Annual Savings	Simple Payback (Years)	Number of Projects
Department Reject				N/A	N/A	N/A	3
Pending Final Action by County				\$1,901,570	\$118,256	N/A	9
Underway				\$1,992,888	\$356,253	5.6	4
Completed				\$1,288,786	\$221,459	5.8	3
GRAND TOTAL				\$17,528,153	\$2,094,911	8.4	5
				\$36,022,245	\$4,641,183	7.8	19
				\$58,733,642	\$7,432,062	7.9	36
							142

* Number does not include Miami-Dade Housing (multiple sites)

* Number does not include Miami International Airport (multiple sites)

24