

## SUSTAINABLE PROJECTS

(dollars in thousands)

	Prior Years	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	Future	Projected Total Cost
<b>Climate Change Adaptation</b>									
<u>Water and Sewer</u>									
OUTFALL LEGISLATION	0	0	4,125	5,000	9,536	15,466	123,457	1,459,156	1,616,740
<b>Climate Change Adaptation Total</b>	<b>0</b>	<b>0</b>	<b>4,125</b>	<b>5,000</b>	<b>9,536</b>	<b>15,466</b>	<b>123,457</b>	<b>1,459,156</b>	<b>1,616,740</b>
<b>Energy Efficiency</b>									
<u>Aviation</u>									
MIAMI INTERNATIONAL AIRPORT OTHER TERMINAL PROJECTS	469,145	5,447	6,073	2,400	0	0	0	0	483,065
MIAMI INTERNATIONAL AIRPORT MOVER	280,898	3,735	0	0	0	0	0	0	284,633
MIAMI INTERNATIONAL AIRPORT CARGO DEVELOPMENT	177,377	1,500	3,300	0	0	0	0	0	182,177
MIAMI INTERNATIONAL AIRPORT (MIA) AIRSIDE IMPROVEMENT PROJECTS	356,736	21,820	15,380	0	0	0	0	0	393,936
MIAMI INTERNATIONAL AIRPORT ROADWAYS AND PARKING	154,742	0	0	0	0	0	0	0	154,742
<u>Fire Rescue</u>									
MISCELLANEOUS FIRE RESCUE CAPITAL PROJECTS	1,200	400	745	1,000	1,000	1,300	555	0	6,200
MIAMI LAKES WEST FIRE RESCUE STATION (STATION 64)	716	1,502	1,611	0	0	0	0	0	3,829
COCONUT PALM FIRE RESCUE (STATION 70)	980	1,198	599	0	0	0	0	0	2,777
OCEAN RESCUE FACILITY IMPROVEMENTS - BUILDING BETTER COMMUNITIES BOND PROGRAM	125	0	0	0	0	0	1,375	0	1,500
PALMETTO BAY FIRE RESCUE STATION (STATION 62)	551	1,531	900	1,097	0	0	0	0	4,079
<u>Homeless Trust</u>									
SECOND DOMESTIC VIOLENCE SHELTER	0	2,250	2,250	0	0	0	0	0	4,500

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<u>Internal Services</u>									
ACQUIRE OR CONSTRUCT MULTI-PURPOSE FACILITIES IN DISTRICT 5	0	143	557	2,000	300	0	0	0	3,000
DISTRICT 09 PRESERVATION OF AFFORDABLE HOUSING AND EXPANSION OF HOME OWNERSHIP	2,029	1,500	5,471	1,592	0	0	0	0	10,592
DISTRICT 11 PRESERVATION OF AFFORDABLE HOUSING AND EXPANSION OF HOME OWNERSHIP	4,263	6,658	0	0	0	0	0	0	10,921
BUILDING ENERGY MANAGEMENT FOR GOVERNMENT FACILITIES AND COURTHOUSES	6,639	0	0	0	0	0	0	1,561	8,200
DISTRICT 02 PRESERVATION OF AFFORDABLE HOUSING AND EXPANSION OF HOME OWNERSHIP	24	3,127	5,941	802	698	0	0	0	10,592
DISTRICT 05 PRESERVATION OF AFFORDABLE HOUSING AND EXPANSION OF HOME OWNERSHIP	3,704	4,832	2,056	0	0	0	0	0	10,592
DISTRICT 04 PRESERVATION OF AFFORDABLE HOUSING AND EXPANSION OF HOME OWNERSHIP	10,592	0	0	0	0	0	0	0	10,592
DISTRICT 10 PRESERVATION OF AFFORDABLE HOUSING AND EXPANSION OF HOME OWNERSHIP	48	0	5,952	4,592	0	0	0	0	10,592
DISTRICT 07 PRESERVATION OF AFFORDABLE HOUSING AND EXPANSION OF HOME OWNERSHIP	0	2,092	2,408	4,000	2,092	0	0	0	10,592
ACQUIRE OR CONSTRUCT MULTI-PURPOSE FACILITIES IN DISTRICT 9	0	0	0	0	4,500	0	0	0	4,500
DISTRICT 01 PRESERVATION OF AFFORDABLE HOUSING AND EXPANSION OF HOME OWNERSHIP	5,282	5,310	0	0	0	0	0	0	10,592
DISTRICT 08 PRESERVATION OF AFFORDABLE HOUSING AND EXPANSION OF HOME OWNERSHIP	0	4,000	6,592	0	0	0	0	0	10,592
BENNETT H. BRUMMER PUBLIC DEFENDER FACILITY REFURBISHMENT	4	0	0	0	0	0	0	1,096	1,100
NEW NORTH DADE GOVERNMENT CENTER	0	0	0	0	0	0	0	7,500	7,500
DISTRICT 06 PRESERVATION OF AFFORDABLE HOUSING AND EXPANSION OF HOME OWNERSHIP	0	0	5,592	0	0	0	0	0	5,592
CENTRAL SUPPORT FACILITY CHILLER	0	0	0	0	0	0	0	3,500	3,500
BUILD OUT AND PURCHASE OF OVERTOWN TOWER 2	101,725	10,930	0	0	0	0	0	0	112,655
ACQUIRE OR CONSTRUCT MULTI-PURPOSE FACILITIES IN DISTRICT 6	16	0	0	1,500	4,100	0	0	0	5,616
DISTRICT 03 PRESERVATION OF AFFORDABLE HOUSING AND EXPANSION OF HOME OWNERSHIP	74	7,311	3,207	0	0	0	0	0	10,592

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DISTRICT 12 PRESERVATION OF AFFORDABLE HOUSING AND EXPANSION OF HOME OWNERSHIP	6,454	4,138	0	0	0	0	0	0	10,592
DISTRICT 13 PRESERVATION OF AFFORDABLE HOUSING AND EXPANSION OF HOME OWNERSHIP	105	0	5,487	0	0	0	0	0	5,592
<b><u>Judicial Administration</u></b>									
ADDITIONAL COURTROOMS AND ADMINISTRATION FACILITIES - BUILDING BETTER COMMUNITIES BOND PROGRAM	0	0	0	0	0	0	0	74,700	74,700
<b><u>Library</u></b>									
GRAPELAND HEIGHTS BRANCH LIBRARY	0	0	0	0	0	550	0	0	550
WEST DADE BRANCH LIBRARY	0	0	0	0	0	980	0	0	980
NORTH CENTRAL BRANCH LIBRARY	0	0	0	0	0	620	0	0	620
NORTH SHORE BRANCH LIBRARY	0	0	0	0	0	355	0	0	355
KENDALL BRANCH LIBRARY	421	0	0	0	0	515	0	0	936
NORTH DADE REGIONAL LIBRARY	0	700	0	0	0	1,600	0	0	2,300
KEY BISCAYNE BRANCH LIBRARY	0	0	0	0	0	285	0	0	285
LEMON CITY BRANCH LIBRARY	0	0	0	0	0	305	0	0	305
SOUTH DADE BRANCH LIBRARY	16	0	0	0	0	189	0	0	205
<b><u>Non-Departmental</u></b>									
MARTIN LUTHER KING BUSINESS CENTER - BUILDING BETTER COMMUNITIES BOND PROGRAM	1,500	2,000	1,500	0	0	0	0	0	5,000
<b><u>Parks, Recreation and Open Spaces</u></b>									
CHUCK PEZOLDT PARK - BUILDING BETTER COMMUNITIES BOND PROGRAM	0	0	0	0	0	450	3,415	485	4,350
BISCAYNE SHORES PARK - BUILDING BETTER COMMUNITIES BOND PROGRAM	0	0	0	0	0	300	1,200	0	1,500
COUNTRY LAKE PARK - BUILDING BETTER COMMUNITIES BOND PROGRAM	0	0	0	0	0	0	425	2,075	2,500
ARCOLA LAKES PARK - BUILDING BETTER COMMUNITIES BOND PROGRAM	1,110	3,004	1,830	356	0	0	0	0	6,300
HOMESTEAD BAYFRONT PARK - BUILDING BETTER COMMUNITIES BOND PROGRAM	3,733	0	0	0	0	0	0	403	4,136
<b><u>Police</u></b>									
HOMELAND SECURITY BUILDING ENHANCEMENTS	514	207	139	0	0	0	0	0	860
<b><u>Public Housing and Community Development</u></b>									
NEW FAMILY UNITS AT LINCOLN GARDENS	19	929	6,352	5,000	0	0	0	0	12,300
NEW ELDERLY UNITS AT ELIZABETH VIRRRICK II	19	700	2,282	6,999	0	0	0	0	10,000
NEW FAMILY UNITS AT VICTORY HOMES	19	1,000	3,240	5,741	0	0	0	0	10,000

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<b>Transit</b>									
EARLINGTON HEIGHTS (EH)/MIAMI INTERMODAL CENTER (MIC) BUS PLAZA	30,473	221	0	0	0	0	0	0	30,694
BUS ENHANCEMENTS	0	22,140	21,740	1,904	680	2,850	2,040	0	51,354
<b>Energy Efficiency Total</b>	<b>1,621,253</b>	<b>120,325</b>	<b>111,204</b>	<b>38,983</b>	<b>13,370</b>	<b>10,299</b>	<b>9,010</b>	<b>91,320</b>	<b>2,015,764</b>
<b>Innovative Water/Wastewater Feature</b>									
<b>Corrections and Rehabilitation</b>									
TURNER GUILFORD KNIGHT CORRECTIONAL CENTER - HOUSING UNIT SHOWER RENOVATIONS	852	268	0	0	0	0	0	0	1,120
<b>Water and Sewer</b>									
FLORIDA AQUIFER W.T.P. (HIALEAH) - GENERAL OBLIGATION BONDS (GOB)	9,500	500	0	0	0	0	0	0	10,000
WASTEWATER TREATMENT PLANTS EFFLUENT REUSE	0	0	15,525	15,497	10,000	22,168	10,624	95,000	168,814
SANITARY SEWER SYSTEM EXTENSION	9,899	0	5,259	1,835	2,113	2,113	2,113	396,590	419,922
SOUTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	7,623	16,877	11,907	15,858	450	0	29,455	568,824	650,994
SAFE DRINKING WATER ACT MODIFICATIONS-SWT RULE AND D-DBP	14,249	5,003	2,244	76,965	58,489	44,642	184,339	285,694	671,625
<b>Innovative Water/Wastewater Feature Total</b>	<b>42,123</b>	<b>22,648</b>	<b>34,935</b>	<b>110,155</b>	<b>71,052</b>	<b>68,923</b>	<b>226,531</b>	<b>1,346,108</b>	<b>1,922,475</b>
<b>LEED or Other "Green" Building Certification</b>									
<b>Animal Services</b>									
NEW ANIMAL SHELTER	7,759	1,011	4,911	6,928	0	0	0	0	20,609
<b>Aviation</b>									
MIAMI INTERNATIONAL AIRPORT NORTH TERMINAL DEVELOPMENT (NTD)	2,834,557	87,635	0	0	0	0	0	0	2,922,192
MIAMI INTERNATIONAL AIRPORT SOUTH TERMINAL DEVELOPMENT	1,033,901	2,159	360	0	0	0	0	0	1,036,420
<b>Internal Services</b>									
WEST LOT MULTI-USE FACILITY	18,830	9,170	0	0	0	0	0	0	28,000
REDEVELOP RICHMOND HEIGHTS SHOPPING CENTER	69	0	375	1,000	2,156	0	0	0	3,600
JOSEPH CALEB CENTER ADDITIONAL PARKING AND FACILITY IMPROVEMENTS	1,357	4,499	5,247	1,897	0	0	0	0	13,000
<b>Judicial Administration</b>									
CHILDREN'S COURTHOUSE	51,362	57,310	31,920	0	0	0	0	0	140,592
JOSEPH CALEB CENTER COURTHOUSE RENOVATIONS- PHASE II	2,040	5,648	7,860	2,182	0	0	0	0	17,730

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<u>Library</u>									
DORAL BRANCH LIBRARY	27	0	0	0	0	0	9,000	0	9,027
HIALEAH GARDENS BRANCH LIBRARY	1,550	0	0	1,000	3,000	5,000	0	0	10,550
NORTHEAST REGIONAL LIBRARY	11,202	6,817	0	0	0	0	0	0	18,019
KILLIAN BRANCH LIBRARY	2,014	0	0	0	0	91	8,895	0	11,000
LITTLE RIVER BRANCH LIBRARY	1,912	20	0	0	0	645	0	0	2,577
ALLAPATTAH BRANCH LIBRARY	0	0	0	0	0	420	0	0	420
<u>Miami Science Museum</u>									
MIAMI SCIENCE MUSEUM - NEW FACILITY IN MUSEUM PARK - BUILDING BETTER COMMUNITIES BOND PROGRAM	50,750	45,000	69,250	0	0	0	0	0	165,000
<u>Police</u>									
NORTHSIDE POLICE STATION - BUILDING BETTER COMMUNITIES BOND PROGRAM	11,758	1,262	0	0	0	0	0	0	13,020
<u>Transit</u>									
EARLINGTON HEIGHTS (EH)/MIAMI INTERMODAL CENTER (MIC) CONNECTOR - AIRPORT LINK	503,776	2,753	0	0	0	0	0	0	506,529
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LEED or Other "Green" Building Certification Total	4,532,864	223,284	119,923	13,007	5,156	6,156	17,895	0	4,918,285
Other Sustainability									
<u>Aviation</u>									
MIAMI INTERNATIONAL AIRPORT SUPPORT FACILITY IMPROVEMENTS	884,159	59,888	38,388	10,500	0	0	0	0	992,935
<u>Corrections and Rehabilitation</u>									
KROME DETENTION CENTER - BUILDING BETTER COMMUNITIES BOND PROGRAM	1,175	0	0	8,523	23,310	114,624	110,197	72,171	330,000
<u>Cultural Affairs</u>									
CULTURAL AFFAIRS PROJECTS - BUILDING BETTER COMMUNITIES BOND PROGRAM	22,209	11,243	6,548	5,000	2,000	8,000	0	0	55,000
<u>Finance</u>									
A/P CONSOLIDATED INVOICE IMAGING AND WORKFLOW	1,838	507	0	0	0	0	0	0	2,345
DATA WAREHOUSE	200	100	0	0	0	0	0	0	300
<u>Internal Services</u>									
HISTORY MIAMI	0	200	500	6,500	2,800	0	0	0	10,000
ACQUIRE OR CONSTRUCT MULTI-PURPOSE FACILITIES	24,158	194	0	0	0	0	0	14,648	39,000
ACQUIRE OR CONSTRUCT FUTURE MULTI-PURPOSE FACILITIES IN UMSA	0	0	0	0	0	0	0	5,490	5,490
VENDOR PORTAL - ONLINE REGISTRATION	258	254	201	0	0	0	0	0	713
ONLINE BIDDING SYSTEM	0	100	0	0	0	0	0	0	100

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<b><u>Judicial Administration</u></b>									
ODYSSEY TECHNOLOGY PROJECT	964	660	410	0	0	0	0	0	2,034
<b><u>Library</u></b>									
COCONUT GROVE BRANCH LIBRARY	418	0	0	0	0	325	0	0	743
EDISON BRANCH LIBRARY	0	0	0	0	0	835	0	0	835
CORAL REEF BRANCH LIBRARY	0	0	0	0	0	570	0	0	570
<b><u>Miami Art Museum</u></b>									
MIAMI ART MUSEUM - NEW FACILITY IN MUSEUM PARK - BUILDING BETTER COMMUNITIES BOND PROGRAM	60,710	30,000	9,290	0	0	0	0	0	100,000
<b><u>Non-Departmental</u></b>									
FLORIDA MEMORIAL UNIVERSITY MULTI-PURPOSE ARENA	0	2,300	2,700	0	0	0	0	0	5,000
PURCHASE DEVELOPMENT RIGHTS FUND - BUILDING BETTER COMMUNITIES BOND PROGRAM	6,714	3,072	0	0	0	0	3,404	19,000	32,190
<b><u>Parks, Recreation and Open Spaces</u></b>									
TREE CANOPY ADDITIONS	0	290	0	0	0	0	0	0	290
HAULOVER BEACH OCEAN RESCUE - BUILDING BETTER COMMUNITIES BOND PROGRAM	2,151	159	0	0	0	0	0	0	2,310
RIVER OF GRASS GREENWAY	83	500	417	0	0	0	0	0	1,000
GREENWAYS AND TRAILS - COMMISSION DISTRICT 9 - BUILDING BETTER COMMUNITIES BOND PROGRAM (PROJ #51)	715	160	1,358	2,762	996	0	0	0	5,991
GREENWAYS AND TRAILS - COMMISSION DISTRICT 8 - BUILDING BETTER COMMUNITIES BOND PROGRAM (PROJ #51)	1,890	2,015	1,750	643	0	0	0	0	6,298
GREENWAYS AND TRAILS - COMMISSION DISTRICT 1 - BUILDING BETTER COMMUNITIES BOND PROGRAM (PROJ #51)	1,272	2,560	1,868	0	0	0	0	0	5,700
<b><u>Port of Miami</u></b>									
SEWER UPGRADES	110	100	2,210	1,291	1,291	0	0	0	5,002
INTERMODAL AND RAIL RECONSTRUCTION	12,189	14,978	400	0	0	0	0	0	27,567
CRUISE TERMINAL J IMPROVEMENTS	2,853	0	1,800	0	0	0	3,000	0	7,653
<b><u>Public Works and Waste Management</u></b>									
PEOPLE'S TRANSPORTATION PLAN NEIGHBORHOOD IMPROVEMENTS	12,850	13,750	13,864	0	0	0	0	0	40,464
WEST/SOUTHWEST TRASH AND RECYCLING CENTER	263	80	165	1,500	22	0	0	0	2,030
ENVIRONMENTAL IMPROVEMENTS	100	100	100	100	100	100	100	0	700
TRASH AND RECYCLING CENTER IMPROVEMENTS	0	100	100	100	100	100	100	100	700

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<b><u>Regulatory and Economic Resources</u></b>									
MIAMI-DADE COUNTY BEACH EROSION AND RENOURISHMENT	33,006	13,730	400	2,424	400	2,000	0	0	51,960
ENVIRONMENTALLY ENDANGERED LANDS PROGRAM	145,939	6,900	3,700	2,700	2,700	15,806	2,800	57,500	238,045
BISCAYNE BAY RESTORATION AND SHORELINE STABILIZATION	1,110	2,540	625	0	0	0	0	0	4,275
<b><u>Transit</u></b>									
PARK AND RIDE LOT KENDALL DRIVE	322	2,438	0	0	0	0	0	0	2,760
KENDALL DRIVE SIGNALIZATION	232	1,392	696	0	0	0	0	0	2,320
KENDALL ENHANCED BUS SERVICE	2,023	2,590	678	1,318	0	0	0	0	6,609
PARK AND RIDE LOT AT SW 344 STREET	8,073	2,643	91	0	0	0	0	0	10,807
PARK AND RIDE FACILITY AT QUAIL ROOST DRIVE	2,313	156	177	1,223	0	0	0	0	3,869
<b><u>Water and Sewer</u></b>									
PEAK FLOW MANAGEMENT FACILITIES	16,836	15,330	11,579	39,198	42,755	122,030	225,867	471,506	945,101
CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	6,458	1,480	9,846	16,187	9,000	30,535	33,190	1,105,349	1,212,045
SOUTH DISTRICT WASTEWATER TREATMENT PLANT - HIGH LEVEL DISINFECTION	249,163	18,454	398	0	0	0	0	0	268,015
Other Sustainability Total	1,502,754	210,963	110,259	99,969	85,474	294,925	378,658	1,745,764	4,428,766
<b>Renewable Energy Feature</b>									
<b><u>Public Works and Waste Management</u></b>									
SOUTH DADE LANDFILL CELL 4 GAS EXTRACTION AND ODOR CONTROL	530	500	50	50	50	220	100	0	1,500
NORTH DADE LANDFILL GAS EXTRACTION SYSTEM - PHASE II	1,004	105	105	105	210	105	531	0	2,165
Renewable Energy Feature Total	1,534	605	155	155	260	325	631	0	3,665
Total Sustainability Projects	7,700,528	577,825	380,601	267,269	184,848	396,094	756,182	4,642,348	14,905,695