

Citywide Streetlight Inventory

January 23, 2024

**CORAL
GABLES**[®]
THE CITY BEAUTIFUL



CITYWIDE LIGHTING INVENTORY



The City of Coral Gables right-of-way light inventory includes nearly 3,100 streetlights of varying types and illumination, including approximately 600 owned and maintained by the City, plus approximately 2,500 FPL owned and maintained light poles and fixtures.

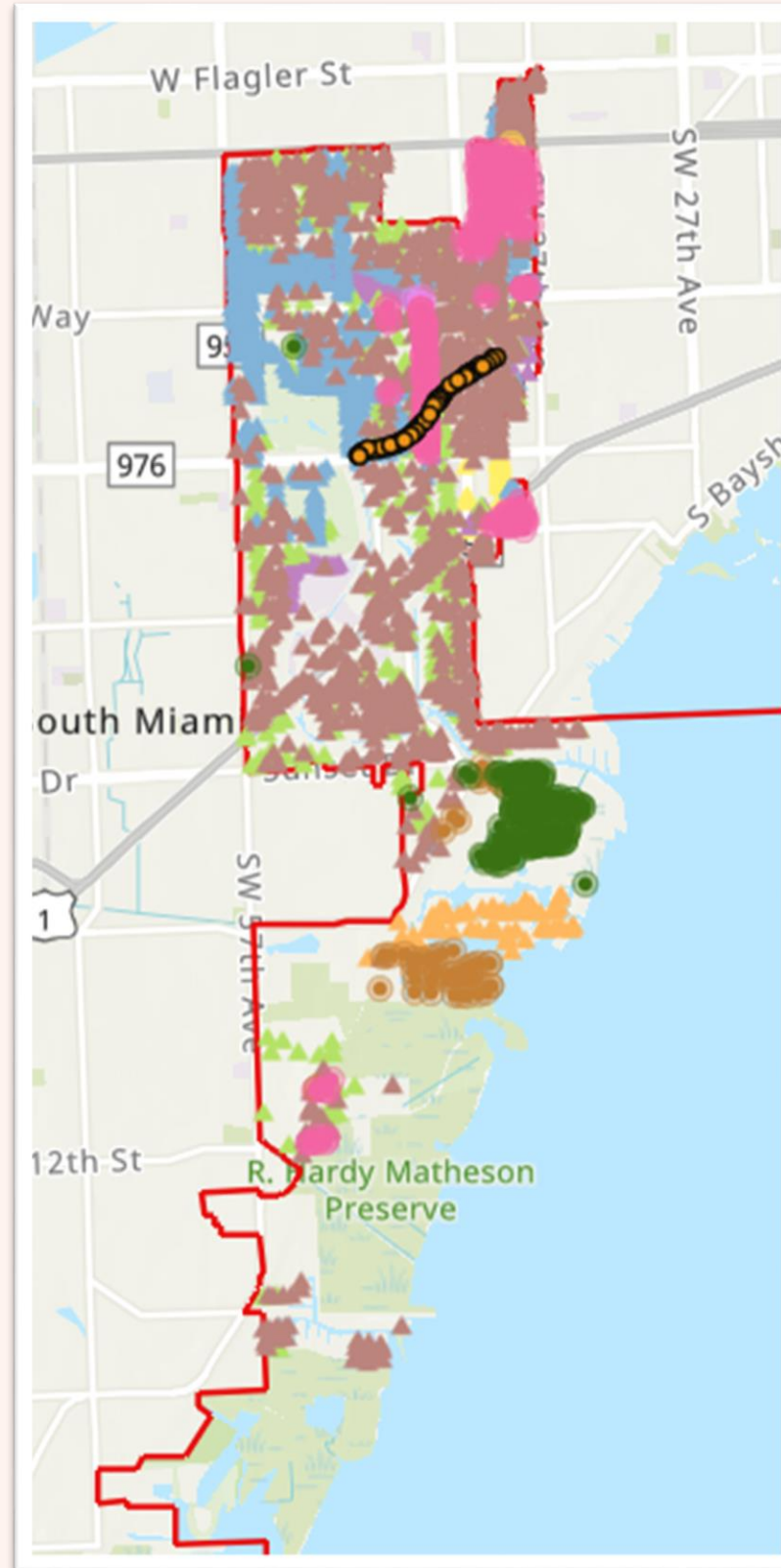
City owned streetlights and circuits are maintained by a single electrician assigned to the Public Works General Services Division and a competitively procured electrical contractor.

FPL owned and maintained streetlights and circuits are paid for by the City through varying rate structures depending on the pole and fixture types.

In FY23, the City paid FPL approximately \$800k for electricity and maintenance of right-of-way streetlights.

** The above totals do not include additional lights and fixtures located along County and FDOT roads, streetlights that are paid for and maintained through special taxing districts, HOA's and private developers, as well as light fixtures that are attached to monuments and historical structures located in City rights-of-way.*

CITYWIDE LIGHTING INVENTORY MAP



PREMIUM LIGHTING HISTORY



The City of Coral Gables entered into several Premium Lighting (a.k.a. PL-1) agreements with FPL between 1998 and 2019 for the installation and maintenance of 411 lights citywide, including 140 fiberglass silver lights, listed below, for a term of 20 years.

1998	<u>86 lights along North and South Greenway Drives</u>
2000	<u>19 lights along Harlano and Wood Streets</u>
2001	<u>32 lights along San Amaro and Campo Sano Avenues</u>
2002	<u>3 lights along San Lorenzo Avenue (east of Pone de Leon Blvd.)</u>
Total	<u>140 street lighs</u>

Under the terms of the agreement, after 20 years, the City had the option to enter into a new agreement with FPL that was to include the estimated replacement cost of the existing lights.

The Silver lights are no longer available on FPL's catalog. Thus, on June, 2022, the City executed agreements with FPL for the replacement of the existing lights at the above locations with Black Washington concrete poles and 39 Watts 3,000 Kelvin LEDs. (San Lorenzo Avenue is pending).

The City had the alternative to remove the FPL lights, and install new lights and circuits at our own expense at an estimated original cost of \$2.6 million for the 140 lights. The City would be responsible for all maintenance and replacements moving forward vs. \$1.1 million in total payments to FPL over the next 20 years for the Black Washington lights and fixtures.

**Please note that for the City to takeover and replace existing FPL streetlights, a new or upgraded circuit would be required in accordance with the National Electrical Code. FPL is governed by the National Electrical Safety Code. Additionally, FPL requires all new installations to be metered. All of which results in a significant added expense.*

FPL-OWNED POLES

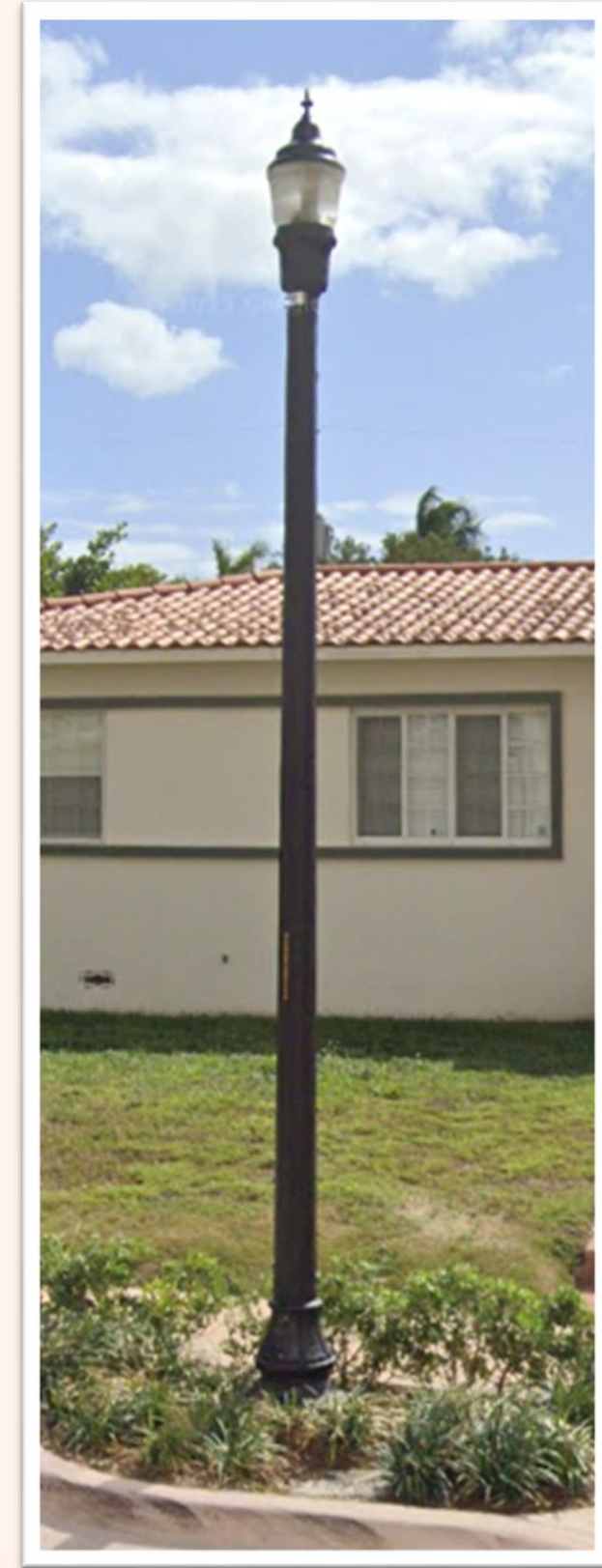


- Concrete Black Washington
 - 294 poles located throughout the City.
 - Approx. 74 poles on Greenway Drive have been converted to Black Washington Concrete poles before conversion was halted by the City Commission on 12/12/2023.
- Concrete Black Washington (double fixture)
 - 90 poles located at Gables Estates.
- Concrete Green Victorian
 - 6 poles located on the 1000 block of Hardee Road.
- Concrete Octagonal (teardrop fixture)
 - 55 poles located within the Central Business and the Design and Innovation districts.
- Concrete Post Mounted
 - 1,203 poles located throughout the City.
- Fiberglass Silver Coral Gables Style
 - 531 poles located throughout the City.
 - Approx. 12 Silver Fiberglass Coral Gables style poles remain on Greenway Drive before conversion was halted by City Commission on 12/12/2023.
- Wood Post Mounted
 - 283 poles located throughout the City.

CONCRETE BLACK WASHINGTON



- 294 poles located throughout the City
 - Approx. 74 poles on Greenway Drive have been converted to Black Washington Concrete poles before conversion was halted by the City Commission on 12/12/2023.



CONCRETE BLACK WASHINGTON (DOUBLE FIXTURE)



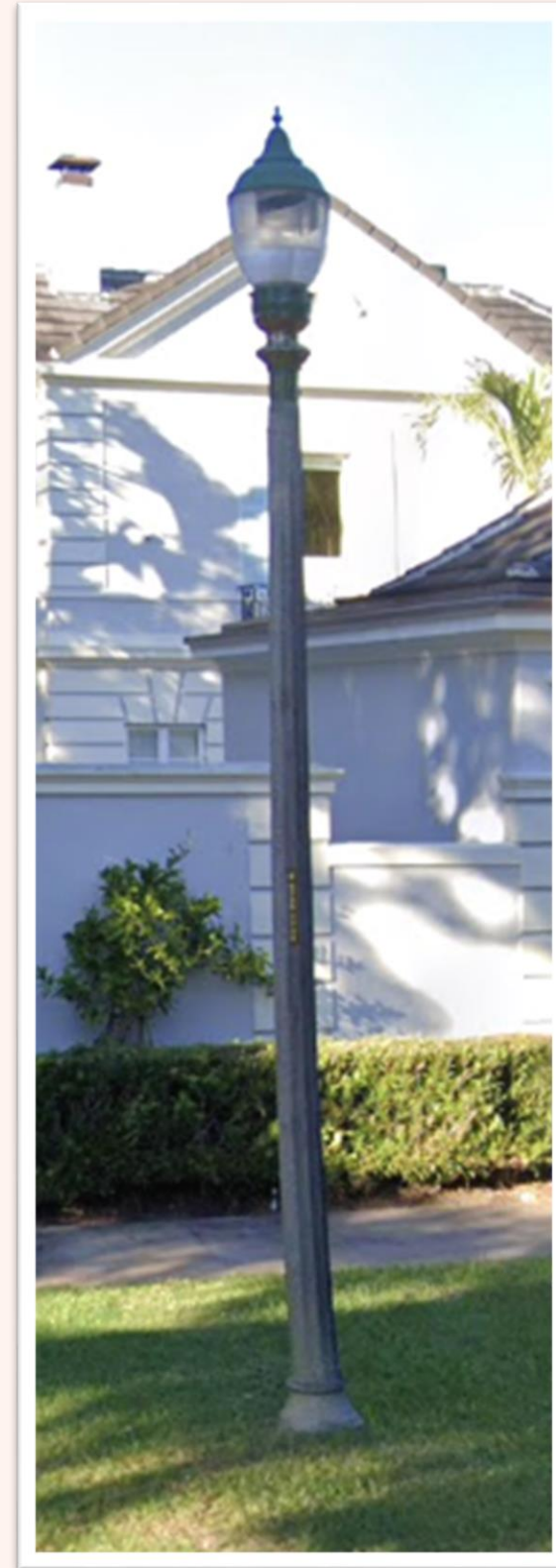
- 90 poles located in Gables Estates.



CONCRETE GREEN VICTORIAN



- 6 poles located on the 1000 block of Hardee Road.



CONCRETE OCTAGONAL (TEARDROP FIXTURE)



- 55 poles located within the Central Business and the Design and Innovation districts.



CONCRETE POST MOUNTED

2

2

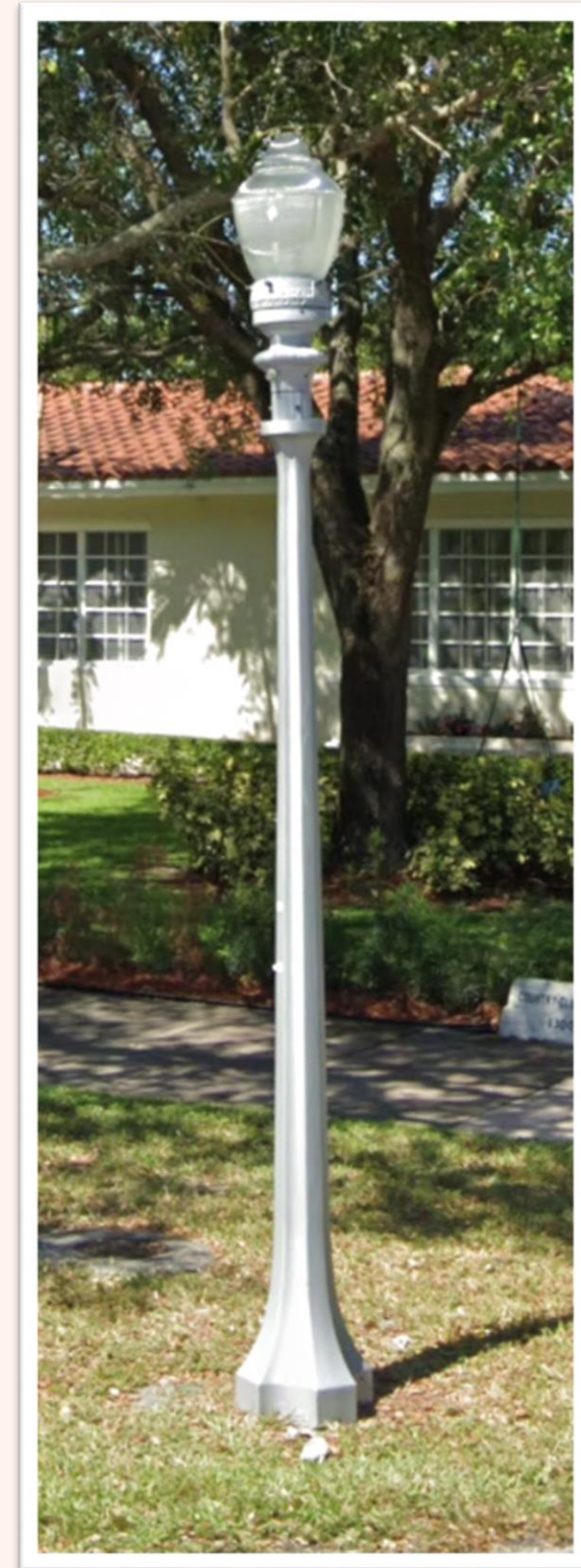
- 1,203 poles located throughout the City, including cobra heads and contemporary light fixtures.



FIBERGLASS SILVER CORAL GABLES STYLE



- 531 poles installed in the City
 - Approx. 12 Silver Fiberglass Coral Gables style poles remain on Greenway Drive before conversion was halted by City Commission on 12/12/2023.



WOOD POST MOUNTED



- 283 poles located throughout the City.



CITY-OWNED POLES



- Silver Aluminum Coral Gables Style
 - 284 poles installed throughout the City.
- Concrete
 - 56 poles installed in Old Cutler Bay.
- Metal Black Decorative
 - 4 poles located on Coral Way and Segovia Street Roundabout.
- Metal Black Decorative (double fixture)
 - 4 poles installed in the vicinity of the Douglas Road Entrance.
- Metal Contemporary Globe
 - 171 poles installed at the Islands of Cocoplum.
- Silver Whiteway Lights
 - 81 poles to be installed located on University Drive and Riviera Drive.
 - Installation of 22 poles has been completed.

ALUMINUM SILVER CORAL GABLES STYLE



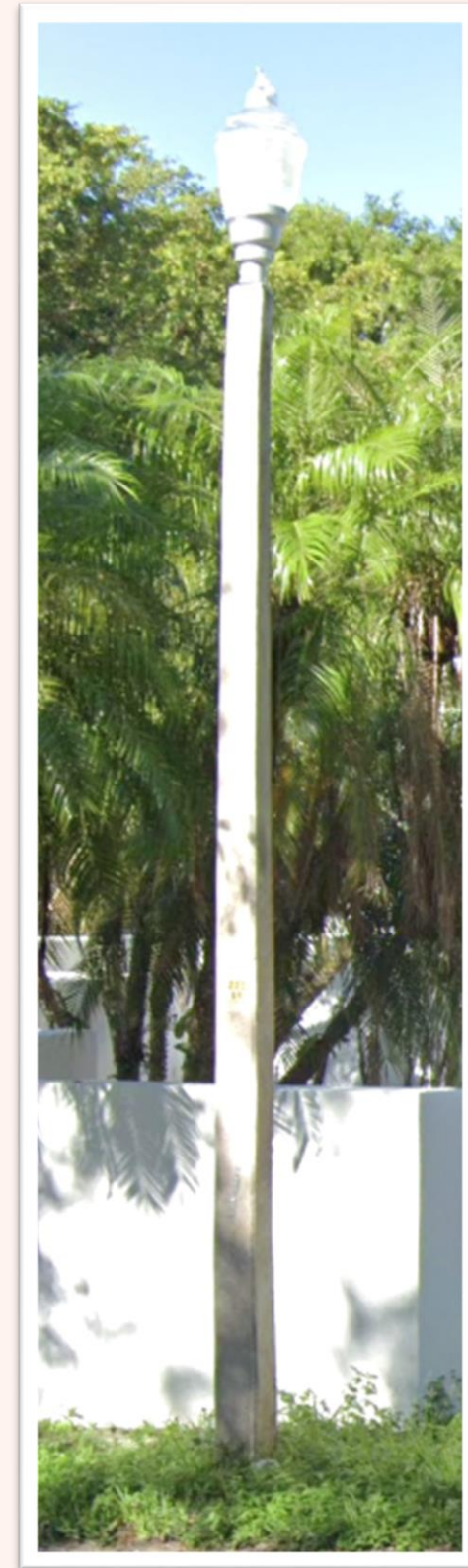
➤ 284 poles installed throughout the City.



CONCRETE POST MOUNTED



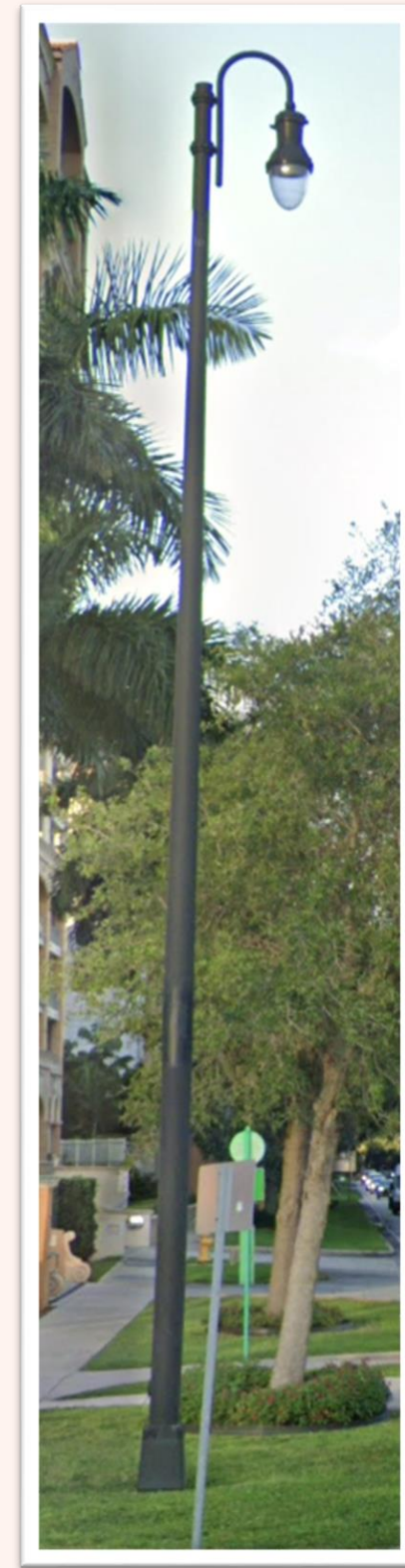
- 56 poles located in Old Cutler Bay.



METAL BLACK DECORATIVE



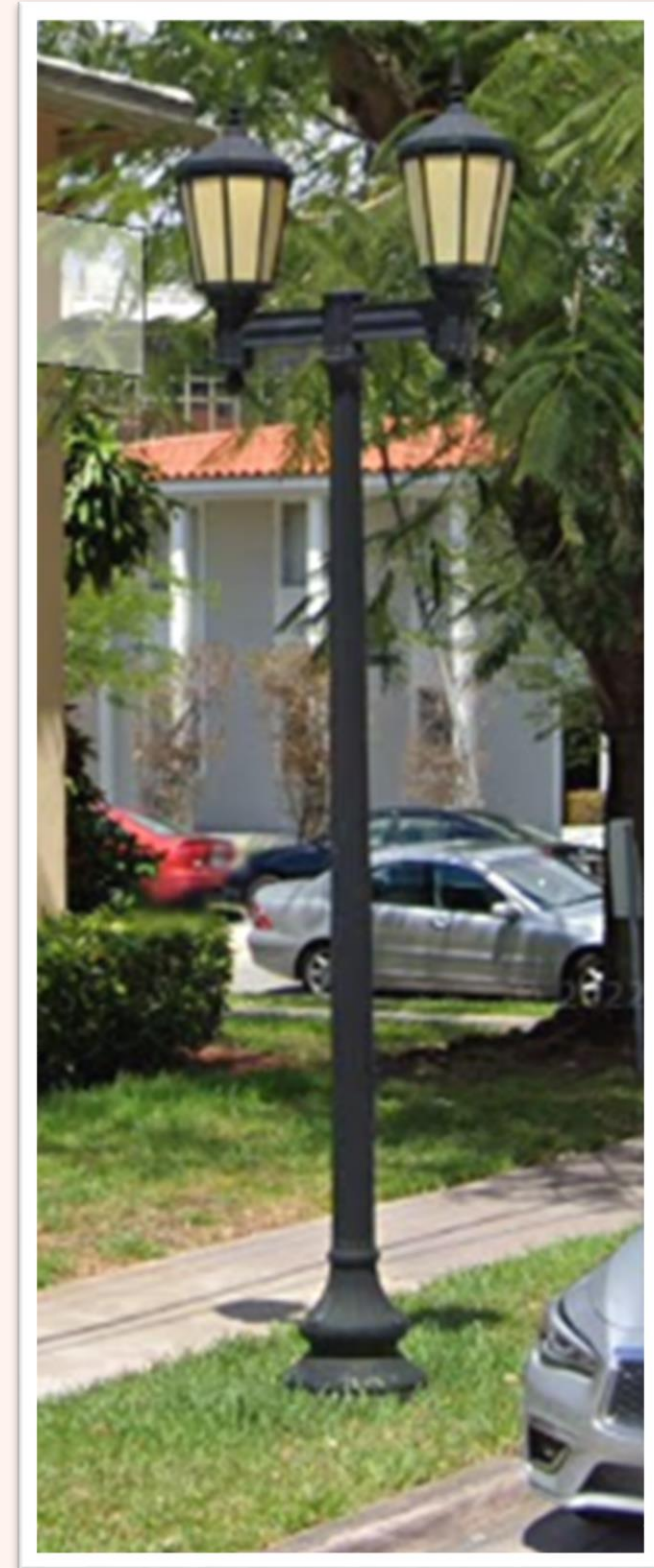
- 4 poles located on Coral Way and Segovia Street Roundabout.



METAL BLACK DECORATIVE (DOUBLE FIXTURE)



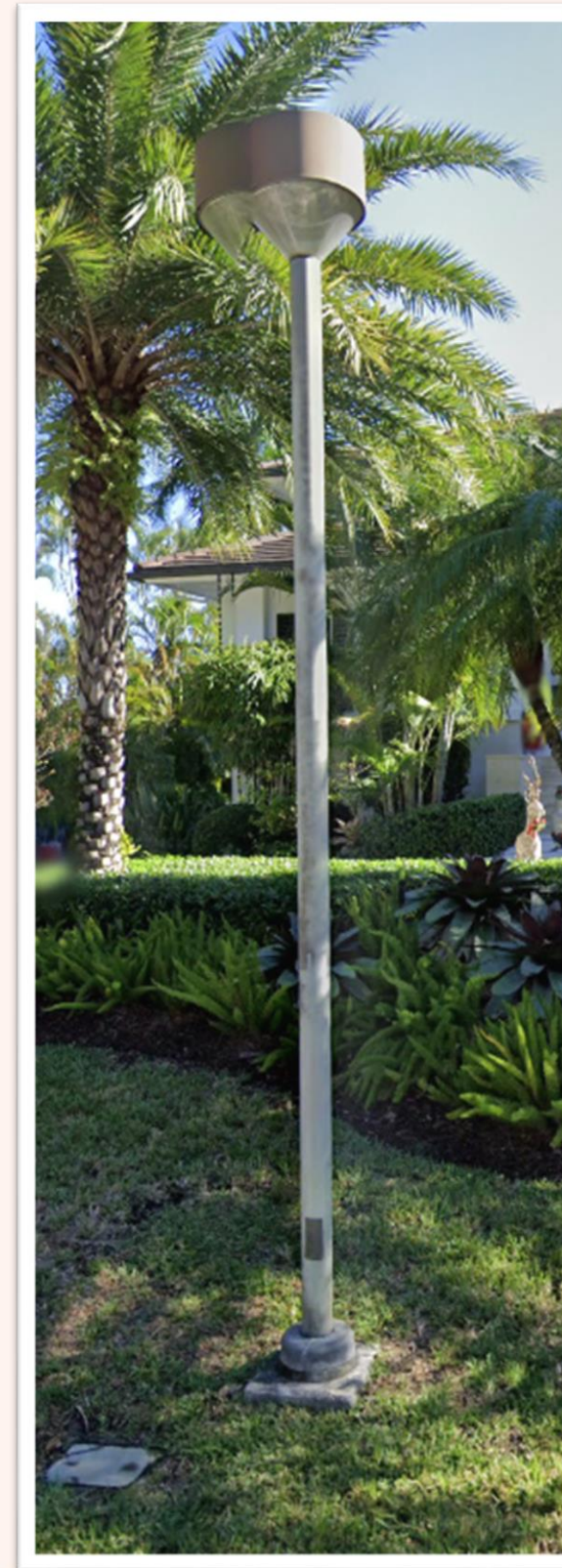
- 4 poles installed in the vicinity of the Douglas Road Entrance.



METAL CONTEMPORARY GLOBE



- 171 poles located at the Islands of Cocoplum.



SILVER WHITEWAY LIGHTS



- 81 poles to be installed along sections of University and Riviera Drives
 - Installation of 22 poles has been completed.



LIGHT POLE FEATURES



Coral Gables Silver Pole

- Fiberglass
- 10-ft mounting height
- 70 Watt HPS
- 2,200 K



Washington Black Pole

- Concrete
- 15-ft mounting height
- 39 Watt LED
- 3,000 K



Whiteway Light

- Cast iron/ aluminum
- 14-ft (mounting height)
- 68 Watt LED
- 2,700 K

COST ESTIMATES

- Replacement of 140 silver fiberglass streetlight poles and fixtures with Black Washington LED lights:
 - City owned: \$2.6M including upgraded infrastructure as per the NEC, plus electricity and maintenance.
 - FPL owned: \$1.1M in payments to FPL over the next 20 years. Includes electricity and maintenance.

An additional (+/-)\$620,000 will be owed to FPL for rescinding the previously executed agreements for 137 lights and the removal of all previously installed poles and other existing FPL infrastructure.

- HPS fixtures for an additional 516 silver fiberglass FPL poles are no longer available.
 - City owned: \$9.8M including upgraded infrastructure as per the NEC plus electricity and maintenance.
 - FPL owned: (+/-)\$5.2M in payments to FPL over the next 20 years. Includes electricity and maintenance, plus; approximately \$181k upfront in removal costs.



Thank you!

Public Works Department: *Keeping the City
Beautiful Yesterday, Today & Tomorrow*

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