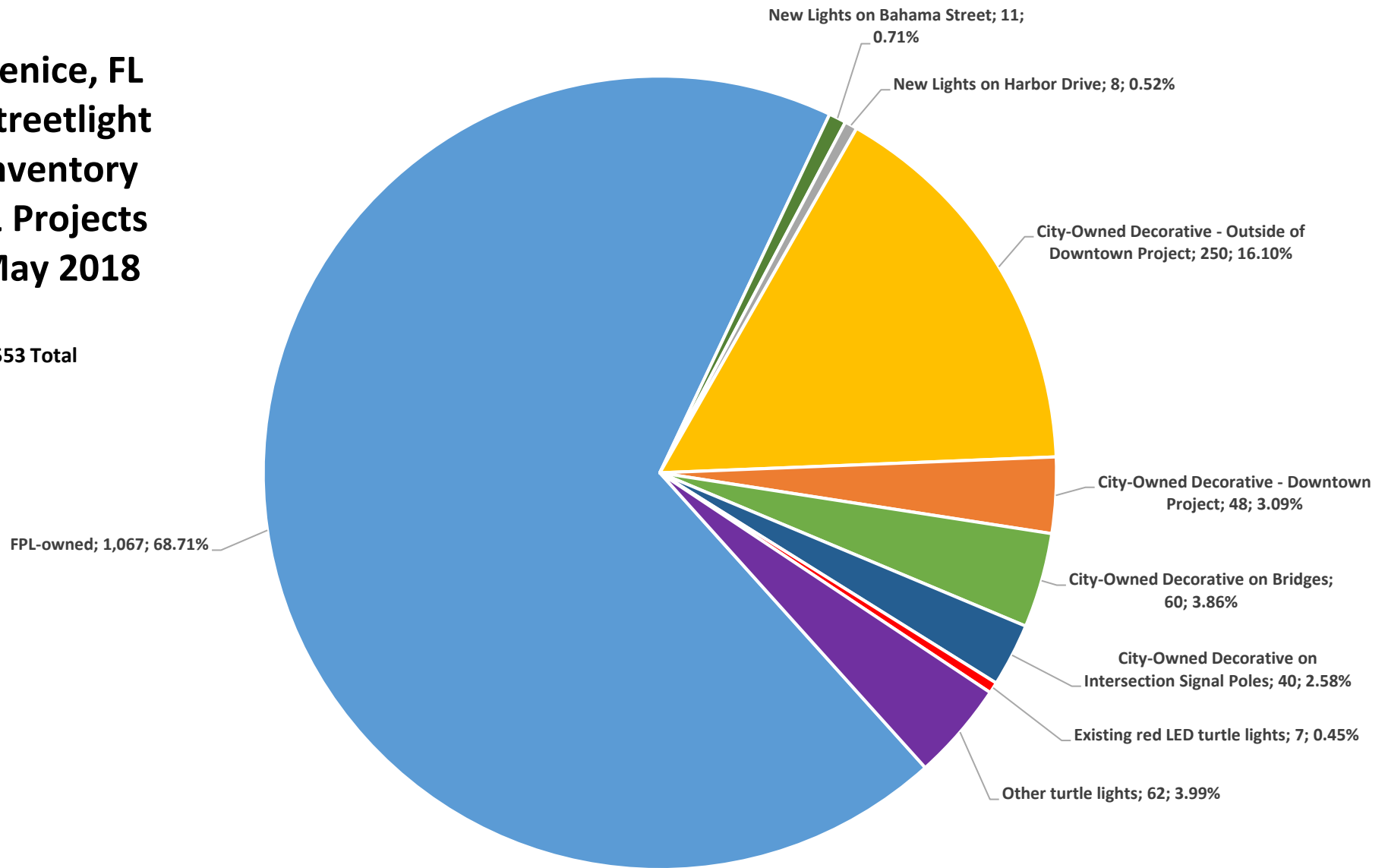


Venice, FL Streetlight Inventory & Projects May 2018

1,553 Total



- FPL-owned
- City-Owned Decorative - Outside of Downtown Project
- City-Owned Decorative on Intersection Signal Poles
- New Lights on Bahama Street
- City-Owned Decorative - Downtown Project
- Existing red LED turtle lights
- New Lights on Harbor Drive
- City-Owned Decorative on Bridges
- Other turtle lights

Current Streetlight Projects - City of Venice, FL

May 16, 2018

<u>Project #</u>	<u>Streetlight Project</u>	<u># Lights</u>	<u>% Total</u>
1	FPL-owned This project replaces all FPL-owned streetlights with LED lights now available through FPL's "Commercial Lighting" program that used to be exceedingly limited. This conversion will result in less energy costs but will also require significant capital expense, with the end result expected to result in an approximate savings to the City of \$300-\$400/month. City staff expects to bring an agreement between the City and FPL forward on this item within the next month.	1,067	68.7%
2	New Lights on Bahama Street City staff is working with FPL in hopes to accomplish this project under the same or similar arrangement as #1. The goal of this project is to install 7 new poles and 11 total LED streetlights on new and existing poles on Bahama Street from Miami Avenue south to shopping center. City staff expects to bring an agreement between the City and FPL forward on this item within the next month.	11	0.7%
3	New Lights on Harbor Drive Similar to #2, City staff is working with FPL in hopes to accomplish this project under the same or similar arrangement as #1. The goal of this project is to install 8 new poles LED streetlights on new poles on Harbor Drive from Venice Avenue south to Armada Road. City staff expects to bring an agreement between the City and FPL forward on this item within the next month.	8	0.5%
4	City-Owned Decorative - Outside of Downtown Project This project will be "Phase I" of the upgrade of existing City-owned streetlights outside of the project area for the 2018 downtown project. Similar to #1, this project will select available options from FPL's "Commercial Lighting" program that approximate the look of our current "decorative" streetlight poles. This project requires design collaboration between FPL and City staff. City staff expects to bring an agreement between the City and FPL forward on this item within the 3-6 months. This will result in maintenance of these poles and light assemblies by FPL.	250	16.1%
5	City-Owned Decorative - Downtown Project This project will be "Phase II" of the upgrade of existing City-owned streetlights located within the project area for the 2018 downtown project, and will occur upon completion of the 2018 (phase I) and 2019 (phase II) downtown projects. Similar to #1, this project will select available options from FPL's "Commercial Lighting" program that approximate the look of our current "decorative" streetlight poles, and should be identical to the poles and light assemblies selected for #4. This project requires design collaboration between FPL and City staff. City staff expects to bring an agreement between the City and FPL forward on this item within the 3-6 months. This will result in maintenance of these poles and light assemblies by FPL.	48	3.1%

6	City-Owned Decorative on Bridges	60	3.9%
<p>This project is very similar to #4 and #5, but has the additional complication of requiring coordination with and approval of Sarasota County and perhaps FDOT due to ownership of the three bridges. If possible, this project will select available options from FPL's "Commercial Lighting" program that approximate the look of our current "decorative" streetlight poles, but this may be impacted upon weight and other considerations. This project requires design collaboration between FPL and City staff. Upon determination of a scope and design agreeable to all parties, City staff will bring an agreement forward for consideration. A goal of the City is that this will result in maintenance of these poles and light assemblies by FPL, but that has yet to be determined.</p>			
7	City-Owned Decorative on Intersection Signal Poles	40	2.6%
<p>This project is very similar to #4 and #5, but has the additional complication of requiring coordination with and approval of Sarasota County and perhaps FDOT due to ownership of the traffic signal poles and assemblies. If possible, this project will select available options from FPL's "Commercial Lighting" program that approximate the look of our current "decorative" streetlight poles. This project requires design collaboration between FPL and City staff. Upon determination of a scope and design agreeable to all parties, City staff will bring an agreement forward for consideration. If agreement cannot be achieved, a possible alternative is to work with FPL to install separate streetlight poles at these intersection under the FPL "Commercial Lighting" program. Again, a goal of the City is that this will result in the City getting away from maintaining these assemblies, but that has yet to be determined.</p>			
8	Existing red LED turtle lights	7	0.5%
<p>In 2016 the City entered into an agreement with FPL to convert 7 standard cobra-head streetlight installation to sea turtle compliant red LED's. These were among the very first, if not the first, installed by FPL. Unexpectedly sea turtle organizations required these lights also have light shielding, which was not part of the original design. There is hope that perhaps the requirement to shield these lights may be removed in the future, but that has yet to be determined by others.</p>			
9	Other turtle lights	62	4.0%
<p>According to our 2018 inventory of streetlights in our sea turtle program there are currently 61 standard cobra-head streetlights with a variety of light shields installed on each. 1 additional streetlight is having light shields installed very soon bringing the total to 62. If the City does desire to pursue converting these, options include (a) converting to standard white LED's or (b) converting to red turtle-compliant LED's. Both options will likely result in lower monthly costs to the City as this conversion is now available through a new FPL tariff program, different from the way the red LED's in #8 were installed. In either scenario at the present time light shields are required, resulting in some concerns of the dispersion of light for safety purposes and questioning just how "turtle resistant" the LED in the red LED assemblies really is.</p>			
		Total:	1,553