

**Lido Key Residents Association  
Ben Franklin Lighting Project  
September 14, 2020, 9:00 pm  
On-site Meeting on Cleveland Ave.**

LKRA Board: Carl Shoffstall, Cindy Shoffstall, Camille Schwabe-Buck, Lou Buck, Jesse Hayre, Jay Elsasser, Heidi Brandt, Bruce Abramowitz, Scott Ashby

City: Georges Nicolas – Project Manager, Bob Heggan - Construction Project Manager,  
Nancy Kelly – Neighborhood Planner

**Questions**

- 1) What will be the square footage of light distribution for the streetlight and sidewalk light?  
Lighting coverage of one 80W lamp is about 3400 sq ft (mounted at 18ft, 1.0fc min) and about 2650 sq. ft for 60W.
- 2) Cleveland Ave and walkway to beach access on is very dark – can lights be added? Per Bob Heggan, this could be part of a separate project included with the parking lot lighting project, however, LKRA should send a Letter of Request to Commissioners to add Cleveland Ave.
- 3) Is this project solar or LED and was a cost analysis done? Per Georges, all light fixtures to LED type and Amber color and yes, the cost analysis is in the PowerPoint presentation.
- 4) Is there a warranty? Yes, all units – lamp, pole, and solar panel with 10-year warranty, battery with 5-year warranty.
- 5) What are the color choices for light posts? Per Georges, the choices are white, black, ocean blue. LKRA Board must vote and decide on color in the very near future.
- 6) Was there an analysis of the Kelvin scale? Per Georges, yes, we cannot have it too bright due to light pollution.
- 7) Can the solar panels be adjusted in case of glare? Per Georges, yes. Per Contractor, glare from solar panels is definitely a reasonable concern. This is usually more common when the sun is at low angles as in early or late in the day. The effect is mostly a concern with flat glass panels even with anti-reflective coatings. SELS uses multi-layer solar modules with ETFE front sheet film. This serves to reduce weight, increase flexibility, and reduce degradation from surface fouling by “self cleaning” (non-adhesive surface allows dust and grime to be washed away during rainfall). Our front sheets are integrated with a matte surface to minimize the hazards associated with glare reflection from the surface while maximizing light energy capture. The surface coating has high transmissivity through to the lower layers of silicon reactive material; there is no glass or metallic material to reflect light.
- 8) Can the poles withstand a hurricane? Per Georges, yes, up to 140 mph winds.
- 9) Per Carl, regarding the Ben Franklin sidewalk project, please try to include all sidewalk sections because residents will be upset if there is no sidewalk in front of their property. Per Georges, Capital Improvement Projects lists are updated and voted each Fiscal year - Lido Key Residents Association should send letter of request for what they are looking for to Commissioners.

**Next Steps**

- 1) Carl will set-up ZOOM meeting in October.