

Energy Report July 2022

1) Vehicle Charger expansion

- Francis Energy meeting-May 16th, 2022 about the Mallory Square Project
- Michael Portanyi is inquiring about partnering with the City of Key West to expand our EV charging array

Michael Portanyi

Project Development Associate

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(941) 685-9797

www.FrancisEnergy.com



2) Police Department Lighting Project

Budget:

~~\$12,000.00-~~
\$25,000.00 FY 21-22

- SemaConnect has gotten in contact with me about installing more of their chargers across the City.
- To add nine more chargers it will cost the City roughly \$45,000.00.

- Will outfit the entire building with LED lighting this year after receiving approval and an increase in budget
- Will be requesting three quotes to move forward



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- Roughly 255 lights will be replaced by LED's at roughly a 70% savings
 - Upon completion, approximately \$2,000 in savings monthly based on lighting accounting for 40% of the overall energy bill.
- July 6th all lights had been delivered to the PD-Install has begun

3) Educational Booth

Budget: \$2,000.00 FY 21-22

- Began pricing out a 10 x 10 Easy Up tent, a banner, and a tablecloth
- Located a local company to fulfill order, working on design
- June 29th, 2022 the order was submitted

4) Solar Array Expansion

- **Scout Solar meeting**-April 12th, 2022 about City Hall expansion
- Matthew Brophy and Lance Frank were inquiring about expanding the City's solar array at no cost.

Matt Brophy
Solar Project Manager
Scout Solar
mbrophy@scoutsolar.com

Lance Frank
lfrank@scoutsolar.com

- **Florida Solar One:** Early stages of potentially starting a co-op in Key West
- Began conversations about installing Solar across City owned properties

Ray Johnson, PE & CPVI
President / Florida Solar One, Inc
📞 Office # 305-517-5876
💻 Ray@FloridaSolarOne.com



5) **Streetlight Project**

Budget: \$100,000.00 FY 21-22

- Keys Energy will not be reevaluating their tariffs or performing a new Cost of Service Study.
- We will not be proceeding forward with replacing all lights-not beneficial to the city
- Will change the 200W and 400W bulbs to LED's-roughly 473 lights ≈\$12,095.92 per year
 - Will cost \$78,045.00
- July 5th, 2022 the final copy of the contract from Keys energy was sent to the City's legal department for final review-

Case 1: KEYS shall own the fixture served from overhead wires, pay for lamp replacement costs, maintain the system, and shall provide energy, from dusk to dawn.

Case 2: Customer owns the infrastructure [excluding the pole], pays for lamp replacement costs and contracts KEYS to maintain the system, and provides energy, from dusk to dawn.

Case 3: Customer owns the infrastructure [excluding the pole], pays for lamp replacement costs, maintains the system, and KEYS shall provide energy, from dusk to dawn.

Case 4: KEYS shall own the fixture served from the overhead wires, pay for lamp replacement costs, maintain the system, and provide energy based on metered energy usage.

Case 5: KEYS shall own the fixture served from overhead wires, pay for lamp replacement costs, maintain the system, and shall provide energy, from dusk to dawn for current unmetered area lighting customers. Storm Surcharge: \$0.00135 per kWh is included in the rate shown below.

STANDARD MONTHLY CHARGES FOR LIGHTING:

Lamp Type	Case 1	Case 2	Case 3	Case 4	Case 5*
100W SV	\$9.71	\$8.04	\$7.30	\$8.02	\$9.77
100W SV-Cutoff Optic	\$9.82	\$8.04	\$7.30	\$8.13	\$9.88
200W SV	\$15.08	\$13.24	\$12.50	\$11.72	\$15.20
200W SV-Cutoff Optic	\$15.14	\$13.24	\$12.50	\$11.79	\$15.26
400W SV-All	\$25.69	\$23.38	\$22.64	\$19.09	\$25.92
175W MV	\$13.77	\$11.93	\$11.19	\$10.83	\$13.87
250W MV	\$17.48	\$15.65	\$14.91	\$13.36	\$17.62
400W MV	\$26.04	\$23.73	\$22.99	\$19.33	\$26.27
24W LED	\$12.09	\$3.80	\$3.06	\$11.75	\$12.10
38W LED	\$12.70	\$4.42	\$3.67	\$12.17	\$12.72
54W LED	\$13.40	\$5.11	\$4.37	\$12.64	\$13.43

Continued on Sheet 5.11.2

Training:

GOMCON: Baton Rouge-Gulf of Mexico Conference April 25th-29th.

Aspen Climate Conference: Miami Beach May 9th-12th

Drive Green Fleet Expo-Hollywood, FL May 26th

Energy Manager-exploring dates for later this year