DPUC/PUC Solar Canopy Project
89 Jefferson Boulevard
Warwick, RI

State of Rhode Island – Gina Raimondo, Governor
Department of Administration – Michael DiBiase, Director
Division of Capital Asset Management & Maintenance –
    Carole Cornelison, Division Director
Division of Public Utilities & Carriers – Macky Mccleary, Administrator
Office of Energy Resources – Carol Grant, Commissioner
Newport Renewables
DPUC/PUC Solar Canopy Project

RFP issued in September 2017

Newport Renewables selected as vendor in October 2017

Construction started June 2018
The canopy’s steel frame was coated in zinc (galvanized) to increase the structure’s longevity by keeping it rust free.
DPUC/PUC Solar Canopy Project

150 solar panels were placed on top of the carport at a specific angle for optimum efficiency.

Three inverters were placed on the north-west side of the building.

- The capacity associated with this project is **55.755 kW DC**
- AC Capacity is estimated at **43.2 kW**
- Inverters are SolarEdge, SE14.4KUS (19,400 Watts)
- Solar Panels are LG NeOn2 (370 watts)
The annual electric consumption at 89 Jefferson Boulevard is 125,040 kWh.

This project is expected to offset over 40% of our electric consumption.

The Solar Carport provides shelter for parked vehicles during inclement weather throughout all seasons.
Electric Vehicle Charging Stations

- We currently have 4 duel ChargePoint CT4000 charging stations with ports to charge 8 Electric Vehicles at one time.

- Each station has a color LCD display with an instructional video on how to use the station.

- Multi-language: English, Spanish and French

- Touch button interface works in rain, snow and with gloves.
Electric Vehicle Charging Stations

- Each station has two standard Level 2 charging ports with locking holsters.
- Each port provides 7.2 kW that can charge any Electric Vehicle.
- Each port is equipped with a 23ft charging cord to increase the usability of our charging spots.
- Charging stations are available 24/7.
DPUC/PUC
LEAD BY EXAMPLE

- October 2012 – New energy-efficient HVAC System installed
- May 2013 – Purchased 2013 Toyota Camry and Toyota Highlander (hybrid vehicles)
- December 2015 – Energy-efficient LED lighting
- November 2016 – 2 dual Electric Vehicle Charging Stations
- December 2016 – Purchased 2016 Chevy Volt (Electric Vehicle)
- October 2018 – Installed energy-efficient water heater
- November 2018 – Solar Carport and an additional 2 duel Electric Vehicle Charging Stations (Total of 4 duel Electric Vehicle Charging Stations)
- January 2019 – Will be adding another 2019 Chevy Bolt to our fleet (Electric Vehicle)
Decline in energy consumption from March 2003 – March 2019 (projected)

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Steady decline in consumption
Special Thanks!

**Division of Public Utilities & Carriers**
- Kevin Lynch, Deputy Administrator
- Al Contente, Engineer (Project Manager)
- Becky Harwood, Information Technology

**Office of Energy Resources**
- George Sfinarolakis – Solar Canopy
- Ryan Cote – Electric Vehicle Charging Stations

**Division of Capital Asset Management & Maintenance**
- Simidele Mabray – Solar Canopy
- John Couture – Electric Vehicle Charging Stations

**Newport Renewables**
- Stuart Flanagan – Co-Founder
- Michael Cabral – Co-Founder