ENGIE and Selma-Kingsburg-Fowler Photovoltaic and Battery Storage Project

Year 3 - Guarantee Report February 1, 2021 – March 31, 2022



Project Overview – Year 3 (2021-2022)

Solar PV

- Guaranteed Savings Program for 20 Years beginning March 1, 2019
- Daily Monitoring and Annual Maintenance Services

Battery Storage System

- Guaranteed Savings Program for 20 Years beginning March 1, 2019
- Daily Monitoring and Annual Maintenance Services

Lighting Efficiency Retrofits

HVAC Retrofits

SGIP Rebates

- 5 Years of rebates totaling \$494,480
- Guaranteed \$49,448 in Year 3. Received \$60,642.

Overall Project Results - Year 3 (2021-2022)

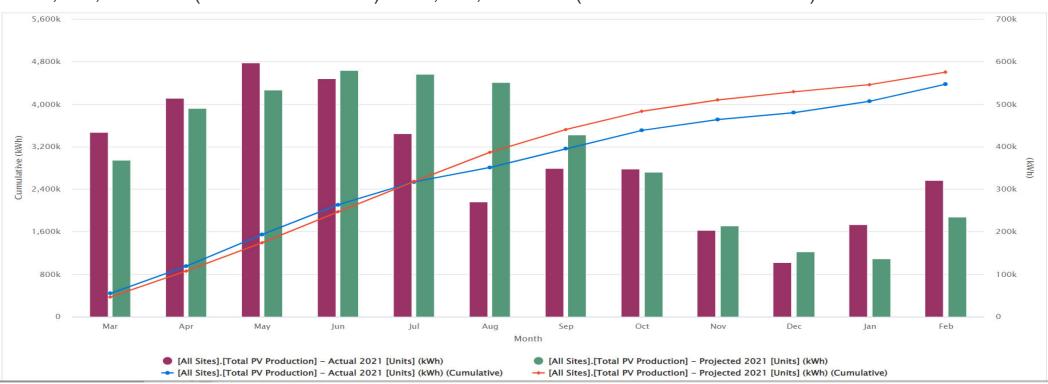
\$830,634 (Actual Savings) vs. \$859,435 (Guaranteed Savings) = **96.6%** Shortfall payment of \$28,801 was made to the district in September 2022.



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Solar Photovoltaic Systems Performance - Year 3 (2021-2022)

4,375,252 kWh (Actual Production) vs. 4,600,611 kWh (Guaranteed Production) = 95.1%



Solar Photovoltaic Systems O&M - Year 3 (2021-2022)

February 2021 - March 2022 Scheduled Maintenance

Electrical PM: June 16, 2021

Panel Washing: September 13, 2021

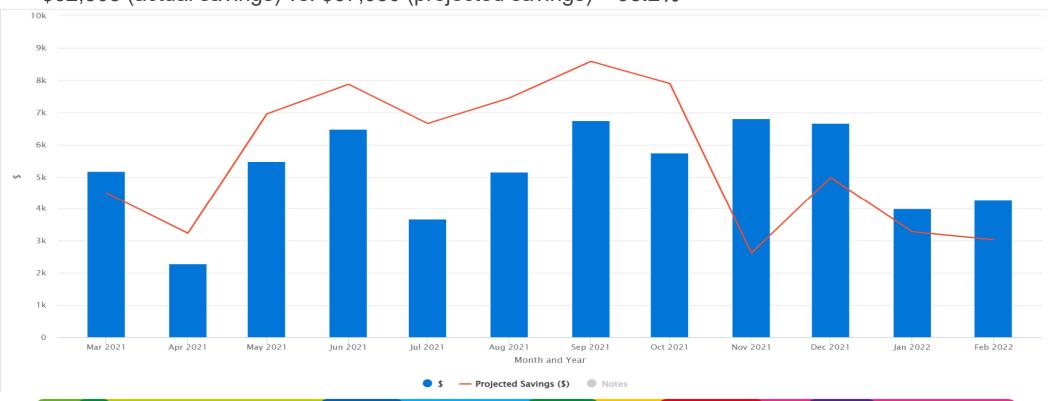
February 2021 - March 2022 Operational Issues or System Failures/Repairs

Minor warranty repairs performed in Year 3 including two inverter repairs and four tracker part failures that resulted in portions of the systems to be offline for short periods of time.

The repair required for Inverter 2-2 took an extended period of time (3 months) as only Solectria Technicians may perform the repair at the risk of voiding the warranty if ENGIE O&M technicians were to perform the repair.

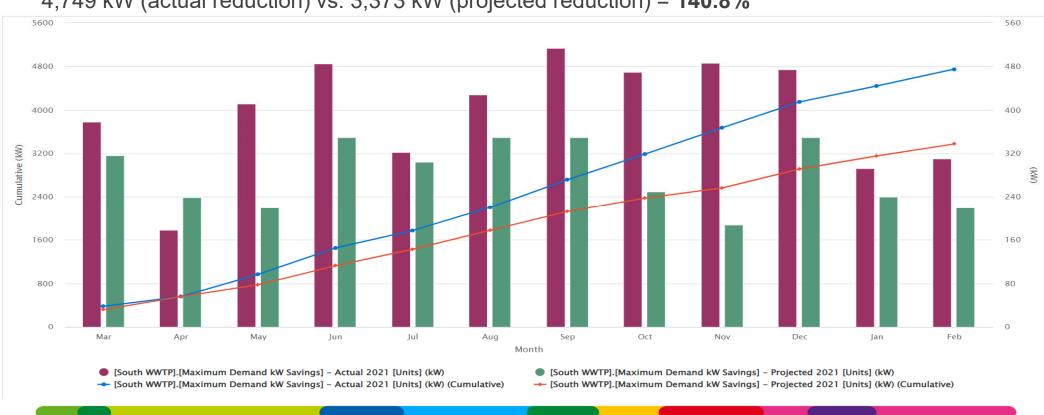
Battery Storage System Performance - Year 3 (2021-2022)

\$62,505 (actual savings) vs. \$67,030 (projected savings) = **93.2%**



Battery Storage System Performance - Year 3 (2021-2022)

4,749 kW (actual reduction) vs. 3,373 kW (projected reduction) = 140.8%



Battery Storage System Performance O&M - Year 3 (2021-2022)

February 2021 - March 2022 Scheduled Maintenance

Routine maintenance was performed during repair visits (see below)

February 2021 - March 2022 Operational Issues or System Failures/Repairs

May 5, 2021 – May 8, 2021: Minnow board faulted. It was replaced with a new VictorBoard.

Battery Warranty - Year 3 (2021-2022)

- 1. Who manufactured the battery?
 - Samsung SDI Co., Ltd.: battery
 - Princeton Power Systems: inverters and system enclosure
 - GreenCharge Networks (ENGIE Storage): controller assembly
- 2. Has the battery manufacturer gone out of business?
 - No, Samsung is the battery manufacturer and are still in business. Princeton Power Systems has gone out of business
- 3. How long is the battery warranty?
 - Samsung battery product warranty is 2 years; extended performance guarantee is 20 years
- 4. The contract called for the battery to be swapped out in Year 10. If the mfg. went out of business, how are those getting swapped out?
 - Battery manufacturer is not out of business.
 - Regardless of state of operation of battery manufacturer, battery will be replaced by Engie.

Thank You