Business of Local Energy Symposium

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March 2016
SunPower holds the world-record large Silicon panel efficiency (22.4%). Green, M. A., et. al. "Solar Cell Efficiency Tables (version 43)," Progress in Photovoltaics, 2014.

1 Non-GAAP | 2 SunPower holds the world-record large Silicon panel efficiency (22.4%). Green, M. A., et. al. "Solar Cell Efficiency Tables (version 43)," Progress in Photovoltaics, 2014.
Large-Scale Solar PPAs with Municipal Utilities

Modesto Irrigation District (MID), 31 MW | Modesto, CA, USA
Turlock Irrigation District (TID), 68 MW | Turlock, CA, USA

• 31 MWp McHenry Solar Plant for MID
  - Completed in October 2012
  - Sited in MID service territory

• 68 MWp power plant for TID
  - Construction started in January 2016
  - Sited away from service territory in a sunnier part of the state
City and County Projects to Offset Energy Costs

Yolo County, 6.8 MW | Turlock, CA, USA

- Yolo County is using virtual net metering to aggregate its load and produce 152% more energy than it uses.
- Solar installations have not only eliminated the county’s electric bill, but generate revenue for the County—an estimated $60 million over the next 35 years—while avoiding 12,000 metric tons of CO2 emissions annually.
- In 2010, collaborative financing effort resulted in first 1 MW installation requiring no capital investment from the County.
- In 2013, three additional arrays were installed, totaling 5.8 MW:
  - 0.8 MW installed on the county government campus, reducing the campus’ electric bill by 75%.
  - Two 2.5 MW arrays sell power back to the local utility.
  - Projects also installed with no upfront capital.
Distributed Generation Projects for Grid Benefit

SCE, 62 MW  |  Southern California, USA

- Southern California Edison required local preferred resources, like distributed generation
- Sites solar where it’s needed most, targeting specific distribution lines and substations, in specific regions
- Sites systems behind-the-meter on the sites of C&I customers with large power demands
In 2012, SunPower constructed 51 individual solar installations across district schools and facilities.

Aggregation of campus sites enabled the school district to maximize energy output.

Cumulatively, the systems, which leveraged innovative financing, are expected to reduce the district's electricity costs by more than $3 million per year, and save $220 million over the next 30 years.
Thank You

Let’s change the way our world is powered.