FAASSTeR

www.faasster.org

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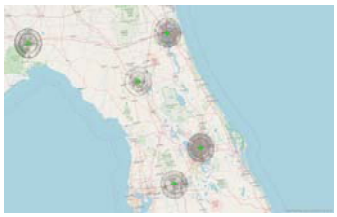
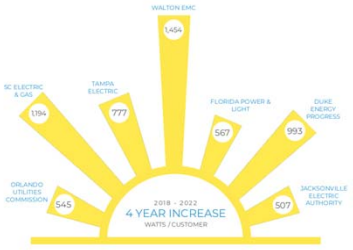
Florida Alliance for Accelerating Solar and Storage Technology Readiness

Land availability *for utility-scale ground-mount PV in municipal utility partner areas*

(National Renewable Energy Laboratory)

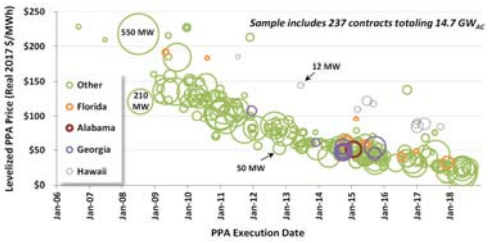


Land availability for utility-scale ground-mounted PV systems, Tallahassee, Jacksonville, Gainesville, Orlando, and Lakeland, Florida. Excluded area shaded, based on NARIS assumptions for rural UPV, in 10-mile and 15-mile radii.



Declining Solar PPA Prices

(Lawrence Berkeley National Laboratory)

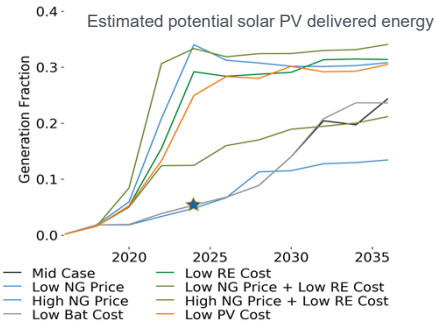


"Sunrisers" – 5 Florida utilities among the top 7 utilities in the Southeast *having the greatest forecasted growth in solar watts per customer*

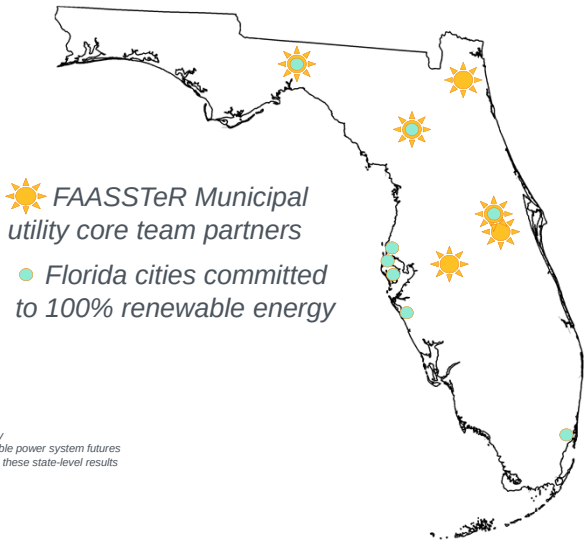
(Southern Alliance for Clean Energy)

PV Growth Scenarios in Florida based on NREL 2018 Standard Scenarios

(National Renewable Energy Laboratory)



Curtailment is subtracted from potential PV generation to estimate delivered PV energy
The NREL Standard Scenarios are not forecasts, rather, they capture a range of possible power system futures
The NREL Standard Scenarios are primarily used as a national-scale model; therefore these state-level results are highly uncertain

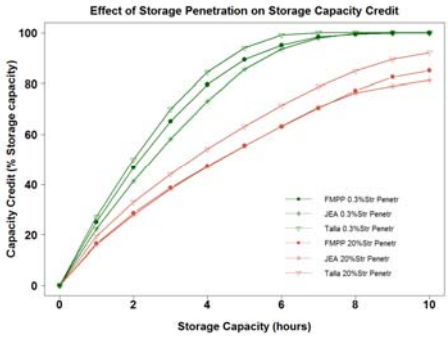


FAASSTeR Municipal utility core team partners

Florida cities committed to 100% renewable energy

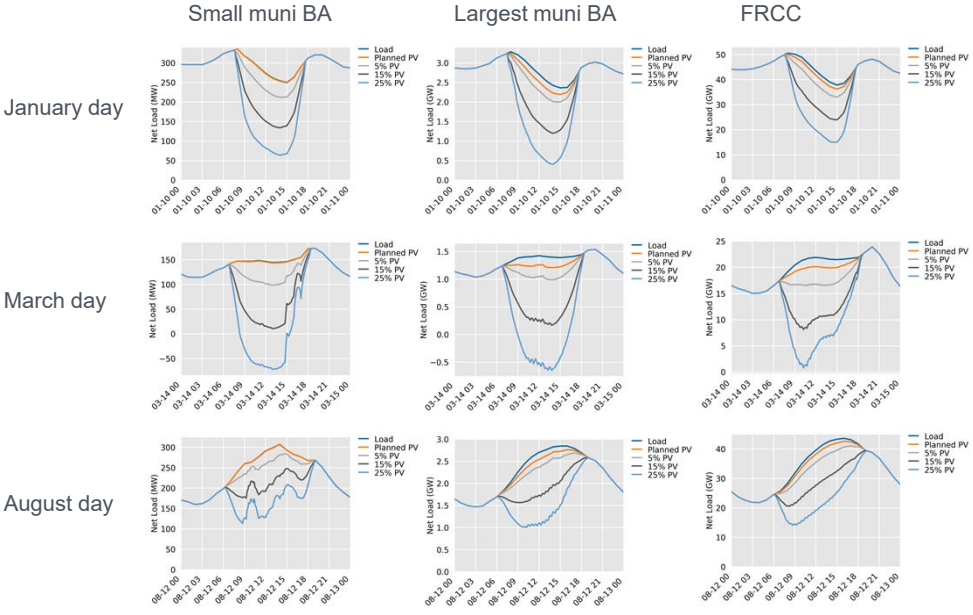
Capacity Credit for Energy Storage:

(Lawrence Berkeley National Laboratory)



Flamingo Curves

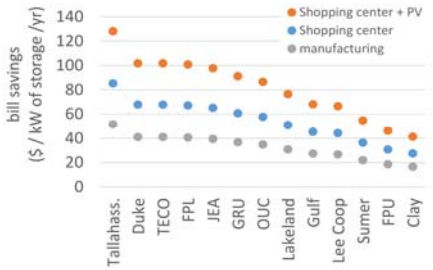
Net Load at Varying Solar PV Penetration Levels



Behind-the-meter Energy Storage:

Payback periods considering demand charge savings only (at $250/kWh)

(Lawrence Berkeley National Laboratory)



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