Rooftop Solar Market Changes – What’s New and How Will it Impact the Market?

Making Energy Work
November 2, 2023

Autumn Proudlove
NC Clean Energy Technology Center
Associate Director – Policy & Markets
afproudl@ncsu.edu
NC Residential Net-Metered Solar PV Capacity
NC Residential Solar PV Net Metering Customers

The graph shows the growth of NC Residential Solar PV Net Metering Customers from 2011 to 2023. The number of customers has significantly increased over the years, with a substantial rise starting around 2017.
Net-Metered Solar Capacity (as of July 2023)

Source: U.S. Energy Information Administration Form 861-M (July 2022)
Percent of Customers with Net-Metered Solar (as of July 2023)

Source: U.S. Energy Information Administration Form 861-M & Utility Customer Data
Distributed Generation Customer Credit Rates for Excess Generation

- **TOU Retail Rate**
- Between Retail Rate and Avoided Cost/Wholesale Rate
- Additional Fees for Small DG Customers are Applicable, at Least for Certain IOUs or Customers

Note: TX does not have statewide net metering rules, and not all utilities offer retail rate crediting.

* Additional Fees for Small DG Customers are Applicable, at Least for Certain IOUs or Customers

# In transition to a lower credit rate