



Energy



Transportation



Buildings



Industrial



Agriculture



Sequestration

Solar Program EM&V and Analysis

Clients: CPS Energy, AEP Texas, Texas North Company, NCTCOG, NYSERDA
2009–ongoing

Utilities across the U.S. are increasing their uptake of solar at the home, local business, community, and grid scale. Frontier Energy has partnered with utilities and government organizations to design rebate and incentive programs, measure the performance of those programs, and analyze the costs, benefits, and performance of solar DER.



FRONTIER ENERGY IS:

- The independent evaluator for CPS Energy’s solar photovoltaic programs. Our team performs EM&V for solar development programs for residential, commercial, and low-income customers and acutely understand the program’s objectives, constraints, opportunities, and challenges.
- The implementor for AEP Texas’ Central and North Divisions’ SMARTSource Solar Photovoltaic Program, a market transformation initiative that offers residential and commercial customers financial incentives to install solar systems on the customer’s side of the meter. Our staff designed the program in 2009 and provides ongoing implementation. The program has increased the number of qualified installers and decreased average installed cost in a largely-rural service area.
- The creator of North Central Texas Council of Governments’ Solar Cost-Benefit Analysis & Tools, a resource that local Texas governments use to assess the benefits and costs of various solar applications. The report models direct benefits and costs and proposes consistent metrics for evaluating indirect benefits: jobs, economic development, environmental benefits, value added to public amenities, resiliency, and local public awareness.
- The lead author of the Texas Technical Reference Manual (TRM) and Solar Deemed Savings in 2000 and authored all subsequent updates. All Texas utilities that have solar PV development programs, as well as program implementers and evaluators, use TRM methodologies to report solar program savings and cost effectiveness.
- Monitoring and conducting real-time data analysis for 431 NYSERDA solar projects that range from 61kw to 15 MW of generation capacity. Data for each installation is displayed on a dashboard at der.nyserdera.ny.gov and can be downloaded for additional analysis and comparison.



Adam Walburger
Cazenovia Office
315-655-1063

Jay Zarnikau
Austin Office
737-236-0303