

Advancing the Science of Behind-the-Meter PV Forecasting

Dr. Tom Hoff

Founder and Chief Research Officer

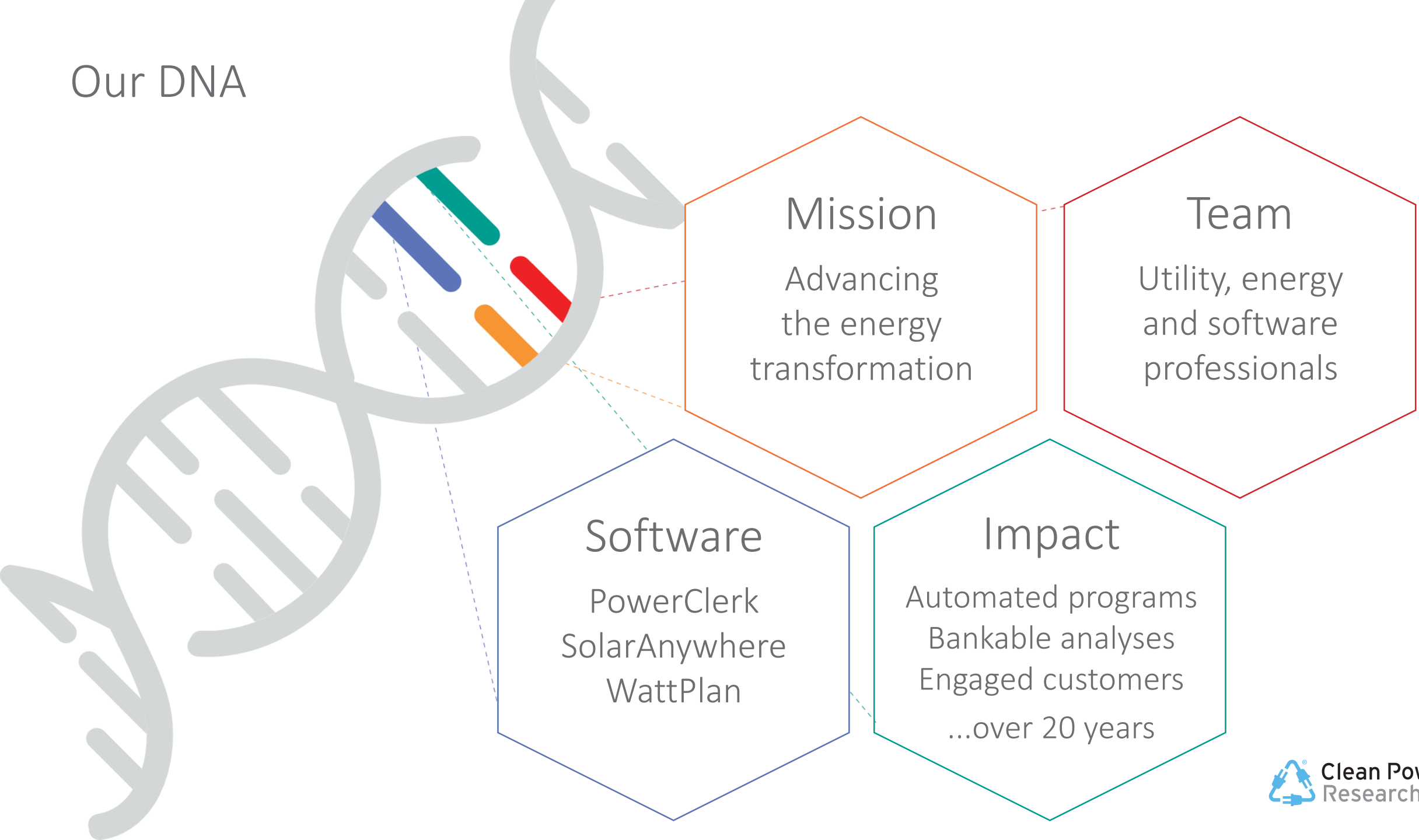
tomhoff@cleanpower.com

2018 EPIC Symposium, February 7, 2018

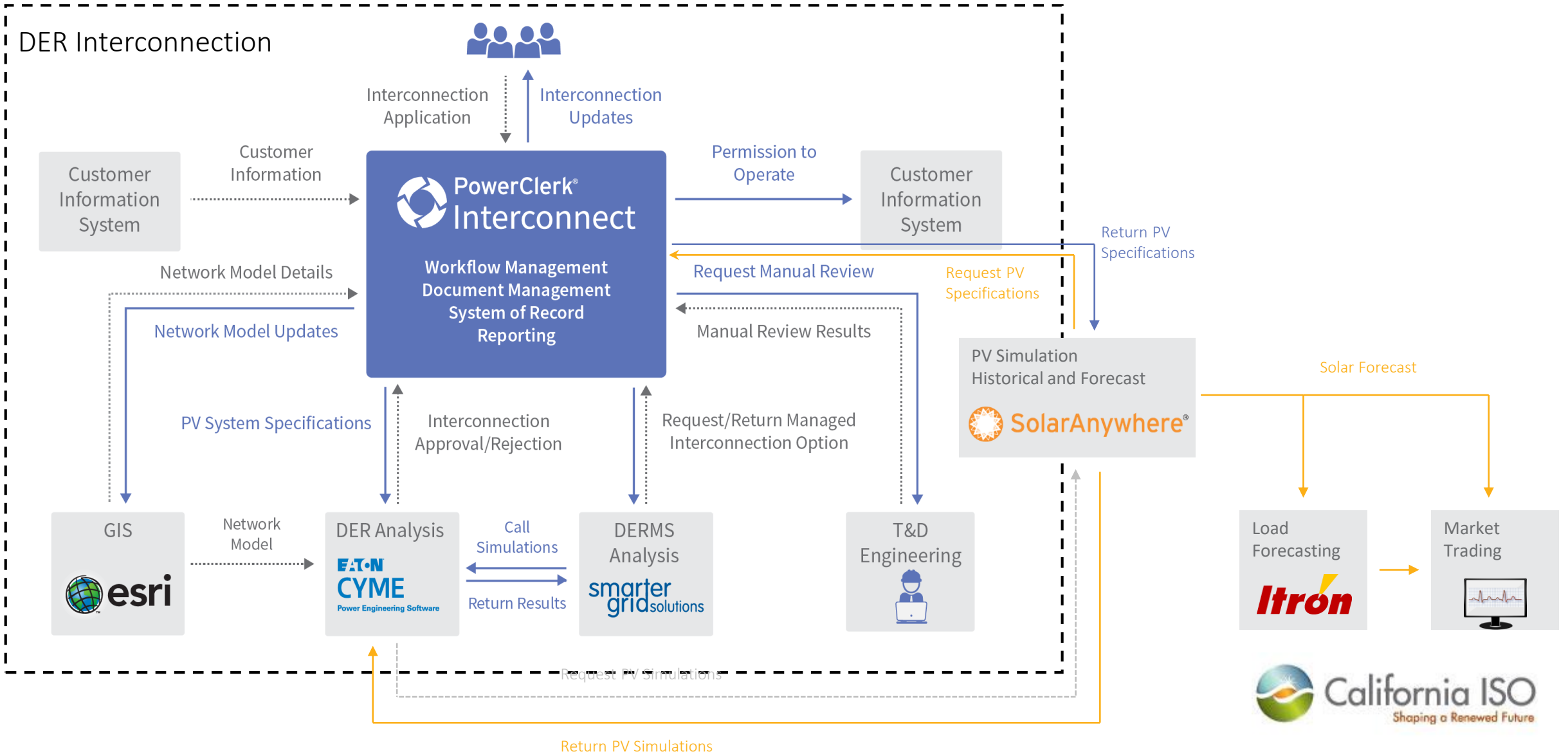
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Our DNA

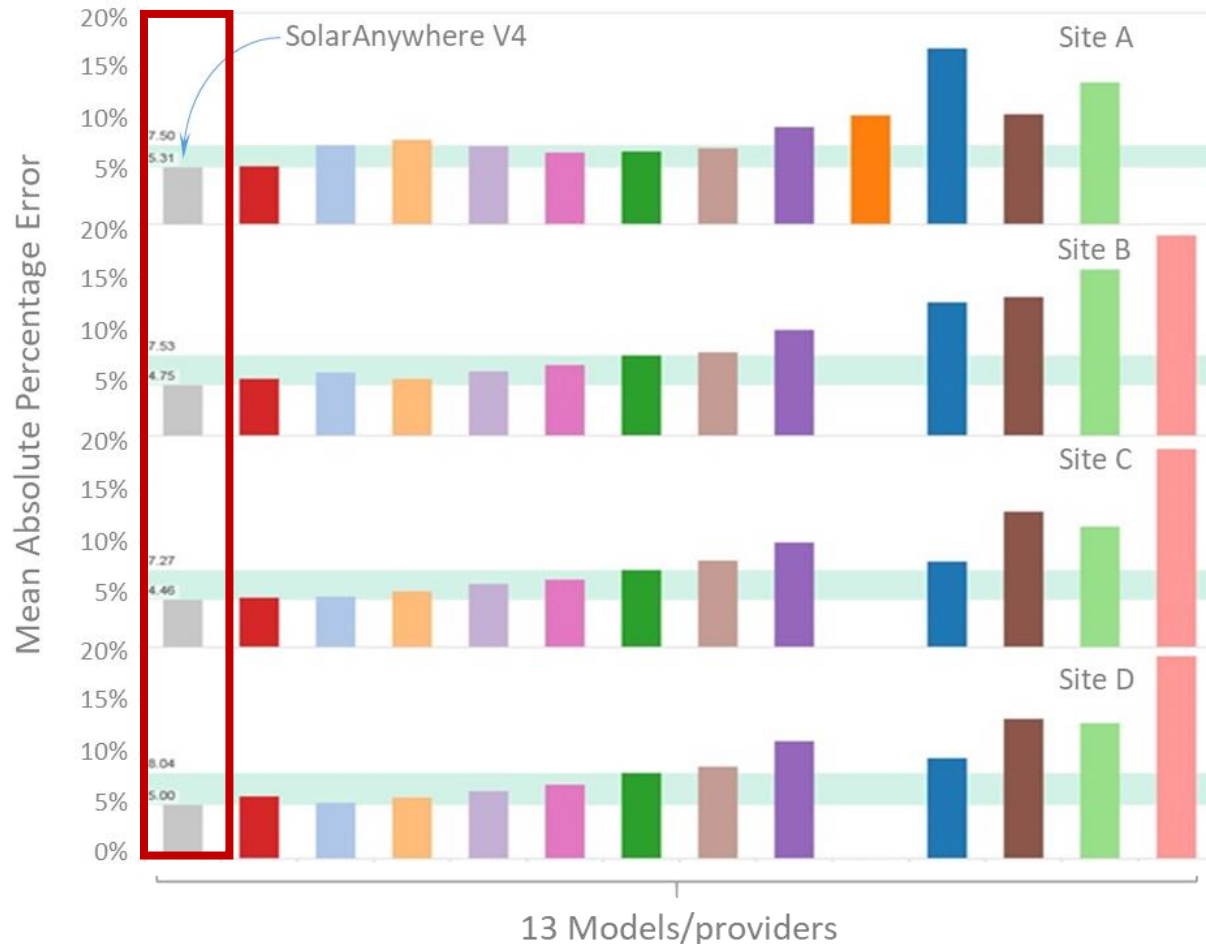


DER Interconnection

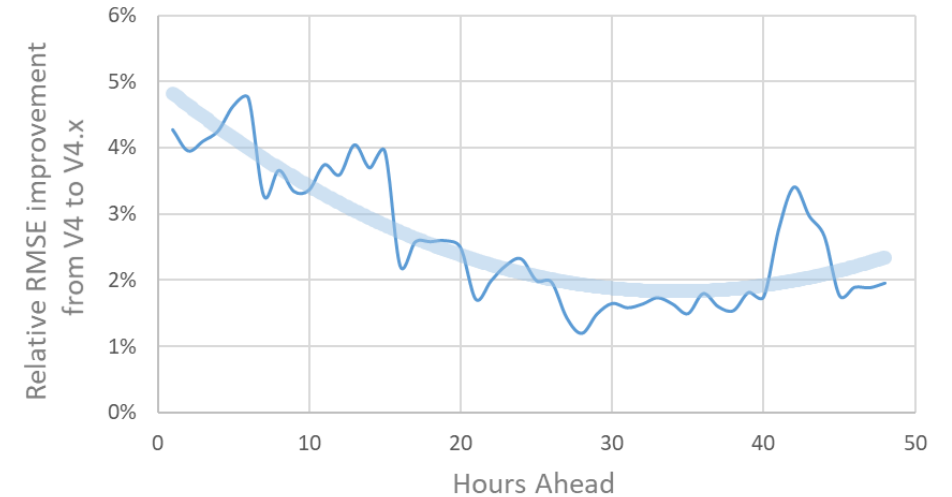


SolarAnywhere Displays Highest Accuracy in EPRI Solar Forecasting Trial

... achieved *without* Machine Learning



Machine Learning will further improve accuracy



Get the whole story at:

<https://www.cleanpower.com/2017/solaranywhere-fleetview-forecasts-top-epri-study/>

Ground Instruments help Develop Satellite Data? Yes

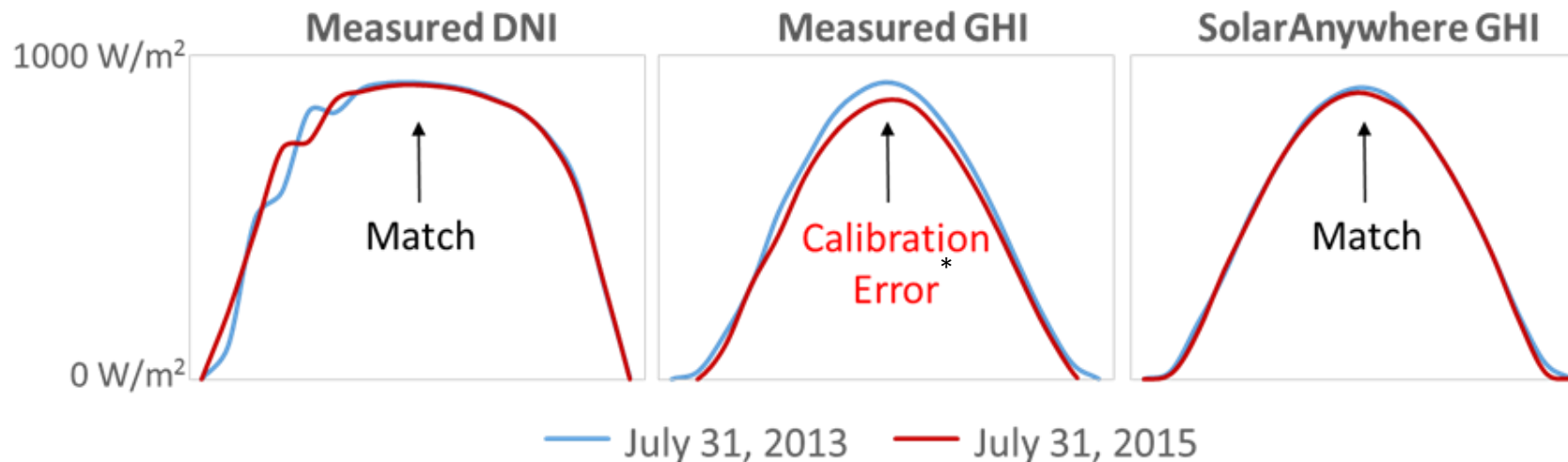
Satellite Data Detects Calibration Error with Ground Instruments? Yes



Fort Peck, MT (SURFRAD, BSRN)

Get the whole story at:

www.cleanpower.com/2017/solaranywhere-detects-calibration-error/

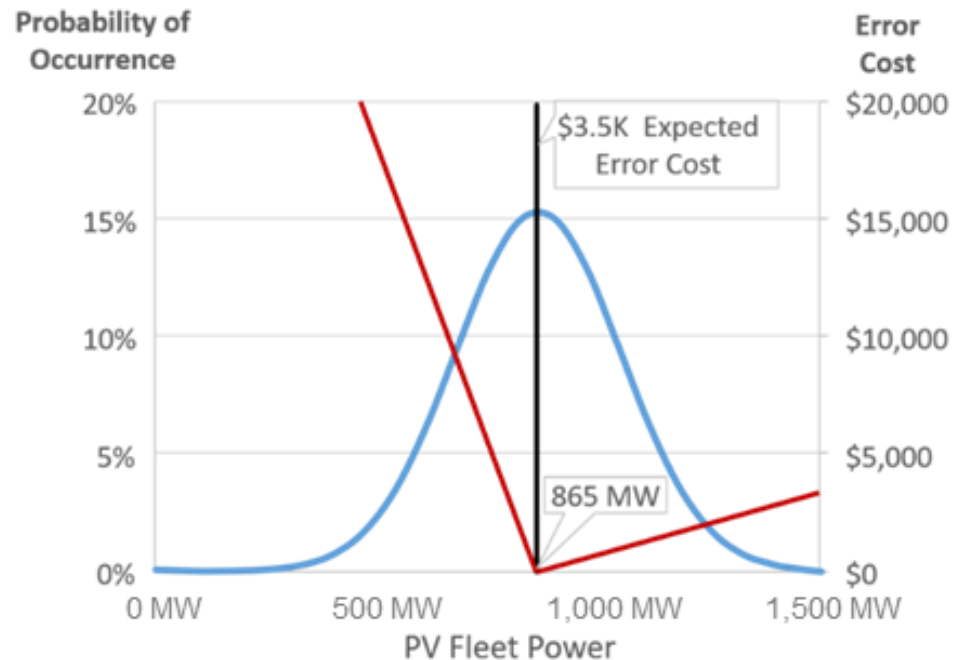


*Confirmed by NOAA

New EPIC Project: Developing a Comprehensive, System-Wide Forecast to Support High-Penetration Solar

Probabilistic forecasting enables electric utilities and grid operators to reduce their operational costs by risk adjusting their expected solar production

Deterministic PV Fleet Forecast



Risk-Adjusted PV Fleet Forecast

