

CAISO Zonal Solar Power Forecasts

Product Features

- CAISO SP-15, ZP-26, and NP-15 solar generation forecasts 0-6 days ahead
- Hourly intervals updated with twice daily updates
- Flexible display tool for showing 3TIER Blend, Public forecast and actuals
- P10 and P90 prediction intervals
- Fast API for integration into MS Excel or other systems
- 6-months of historical forecasts and actuals

Quality

- Vaisala solar forecast bias and error smaller than Public (PIRP) forecast during clear *and* cloudy conditions

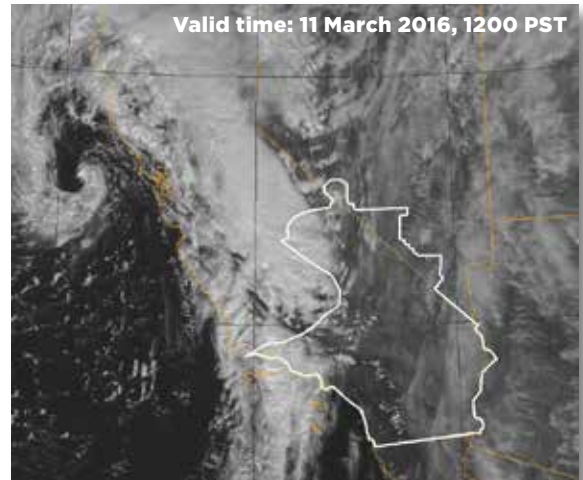
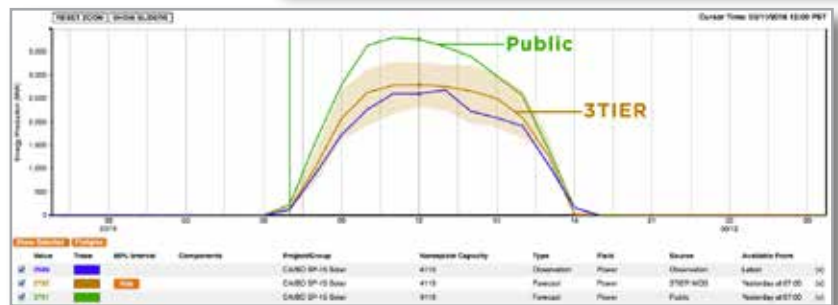


Image Source: Naval Research Laboratory



Metric		Public (PIRP)	3TIER Blend
Bias		+ 132 MW (+3.3%)	-41 MW (-1.0%)
MAE		262 MW (6.5%)	202 MW (5.0%)
Peak > 3500 MW "Clear"	POD	77%	83%
	CSI (ETS)	65% (38.5%)	73% (50.9%)
Peak < 3000 MW "Cloudy"	POD	14%	83%
	CSI (ETS)	13% (9.9%)	67% (59.9%)

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