



Consideration of sub-500kW projects

GTSR Phase IV Track B Workshop

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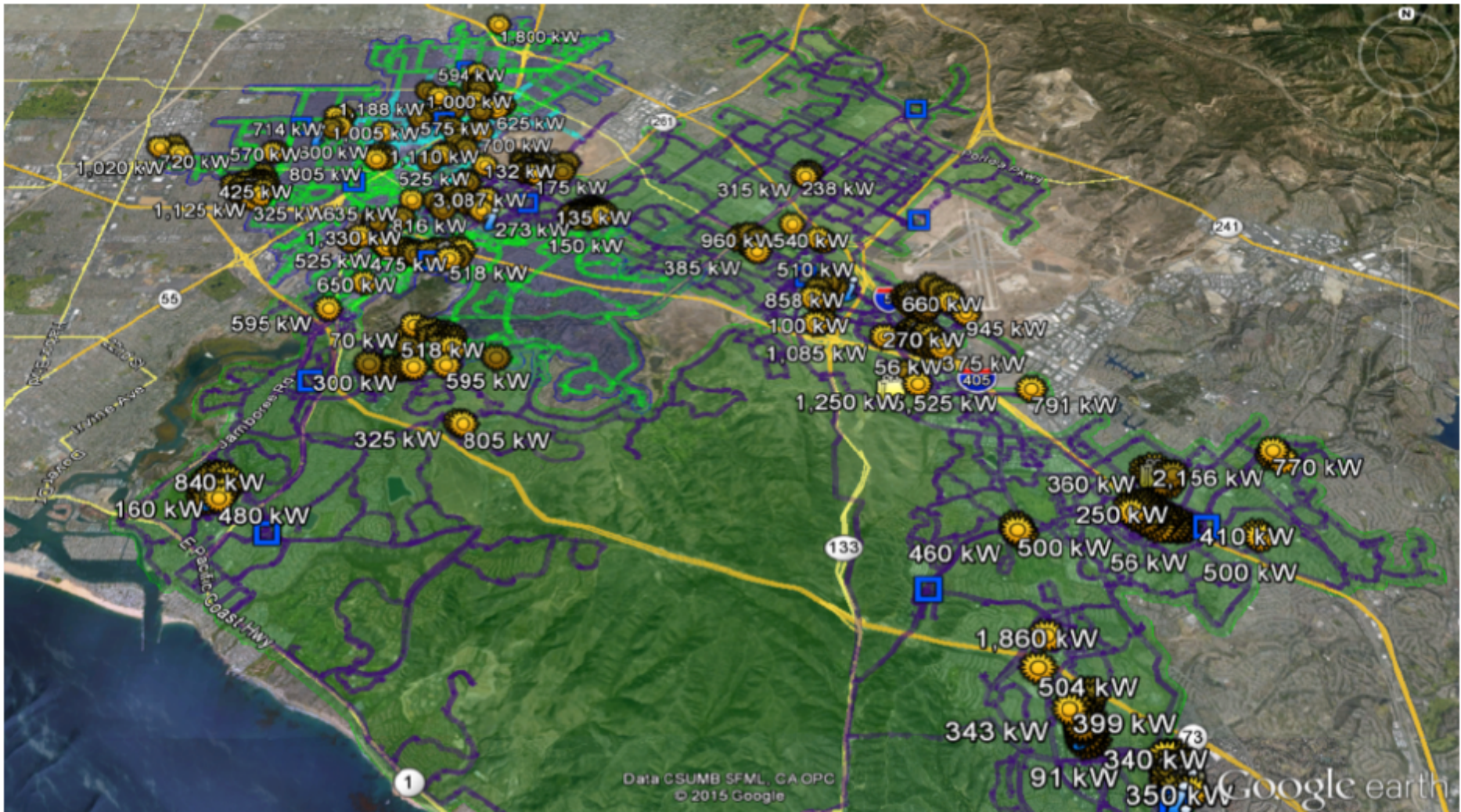
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- The CAISO Board of Governors approved a framework for aggregating DER in order to participate in the ISO market on July 16, 2015, known as the Distributed Energy Resource Provider (“DERP”) Proposal.
- Aggregations of distributed energy resources may be at a single pricing node or across multiple pricing nodes, but must be within a single sub-load aggregation point
- While finalizing the proposal, CAISO is developing tariff revisions to integrate DER aggregations into the ISO market.
- On December 17-18, the Board of Governors voted to further expand metering and telemetry options. The decision increased flexibility for multi-pricing node aggregations to participate in the ISO market.

https://www.caiso.com/Documents/Decision_ExpandingMetering_TelemetryOptions-DistributedEnergyResourcesProvider-Memo-Dec2015.pdf

SCE Preferred Resources Pilot Solar Siting Survey



PV Density Example



Clean Coalition Results



Potential PV Size	Number of Sites	Total kW
Greater than 1,000 kW	38	56,297
Between 1,000 kW and 500 kW	98	67,585
Less than 500 kW	173	40,495
Total	309	164,378

Including sub-500kW projects more than doubles the available sites and opens up more than **30% additional capacity**, all of which would be eligible to participate in the CAISO market under DERP.

Table 17 City of Los Angeles: Megawatts of Physical Rooftop Solar Potential by Project Size

Project Size	Zero	1-5 kW	5-10 kW	10-50 kW	50-500 kW	500-1,200 kW	1,200 + kW	Total
Megawatts	0	648	1,023	1,450	1,785	398	233	5,536
Parcels	154,126	223,166	146,543	79,464	14,502	533	118	618,452

The UCLA Luskin Center performed a similar analysis in Los Angeles and found that potential rooftop PV capacity available on 50-500 kW siting opportunities was approximately 3x more than the 500kW+ siting opportunities.

<http://innovation.luskin.ucla.edu/sites/default/files/Bringing%20Solar%20to%20Los%20Angeles.pdf>