



TESLA ENERGY – Jeff Palmer

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Recent Energy Storage Projects



Hornsedale Power Reserve

South Australia
100MW /127MWh



Commissioned in 2017, Tesla Powerpacks to store wind generated energy and discharge during high demand events to smooth grid transition to back-up sources and reduce rolling black-outs.



Mira Loma

Ontario, CA
20MW /80MWh



Commissioned in 2016, Tesla Powerpacks to replace Aliso Canyon natural gas plant to provide immediate deployable power to network of peaker plants in LA Basin



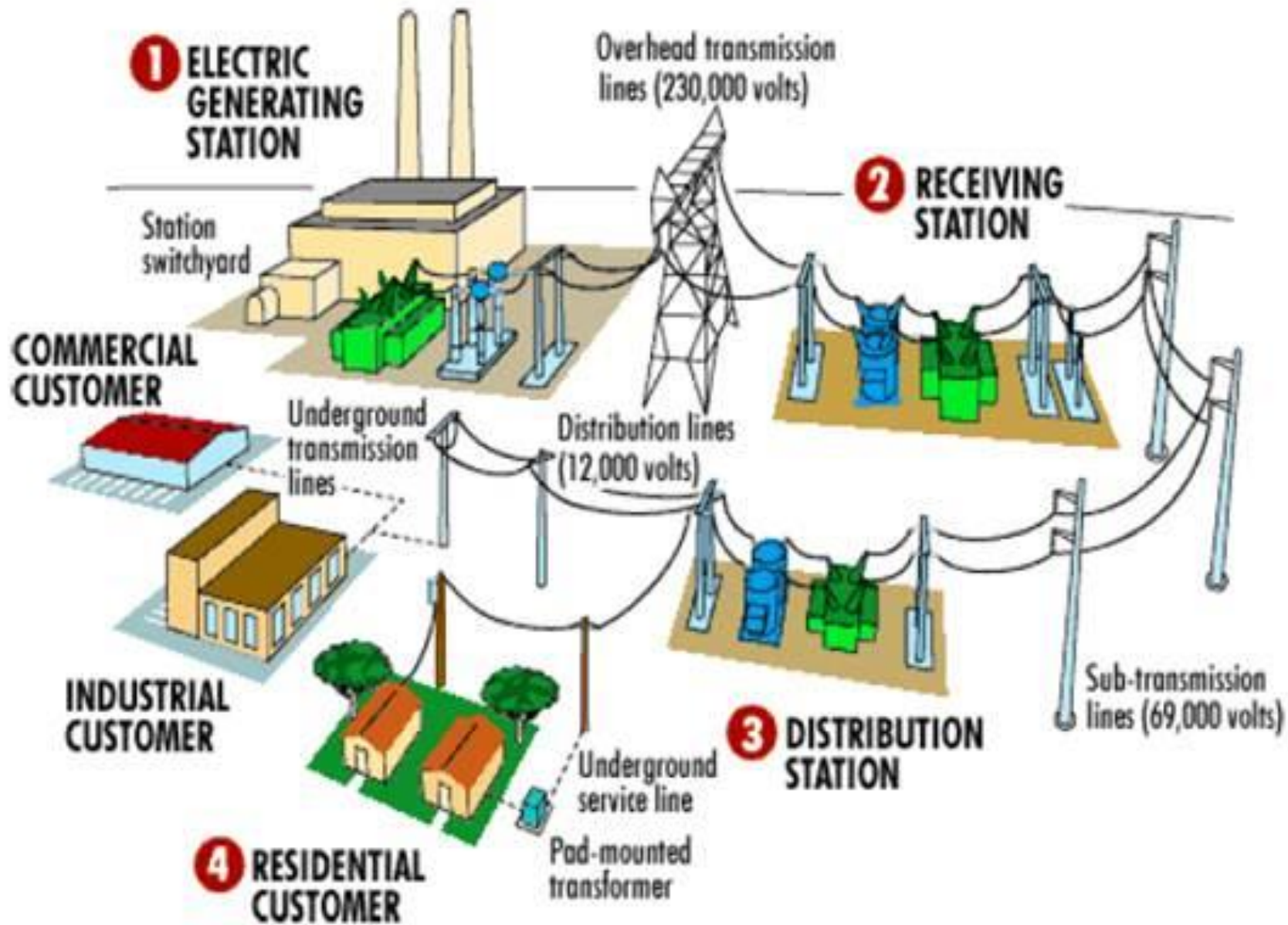
KIUC

Kauai, HI
13MW / 52MWh

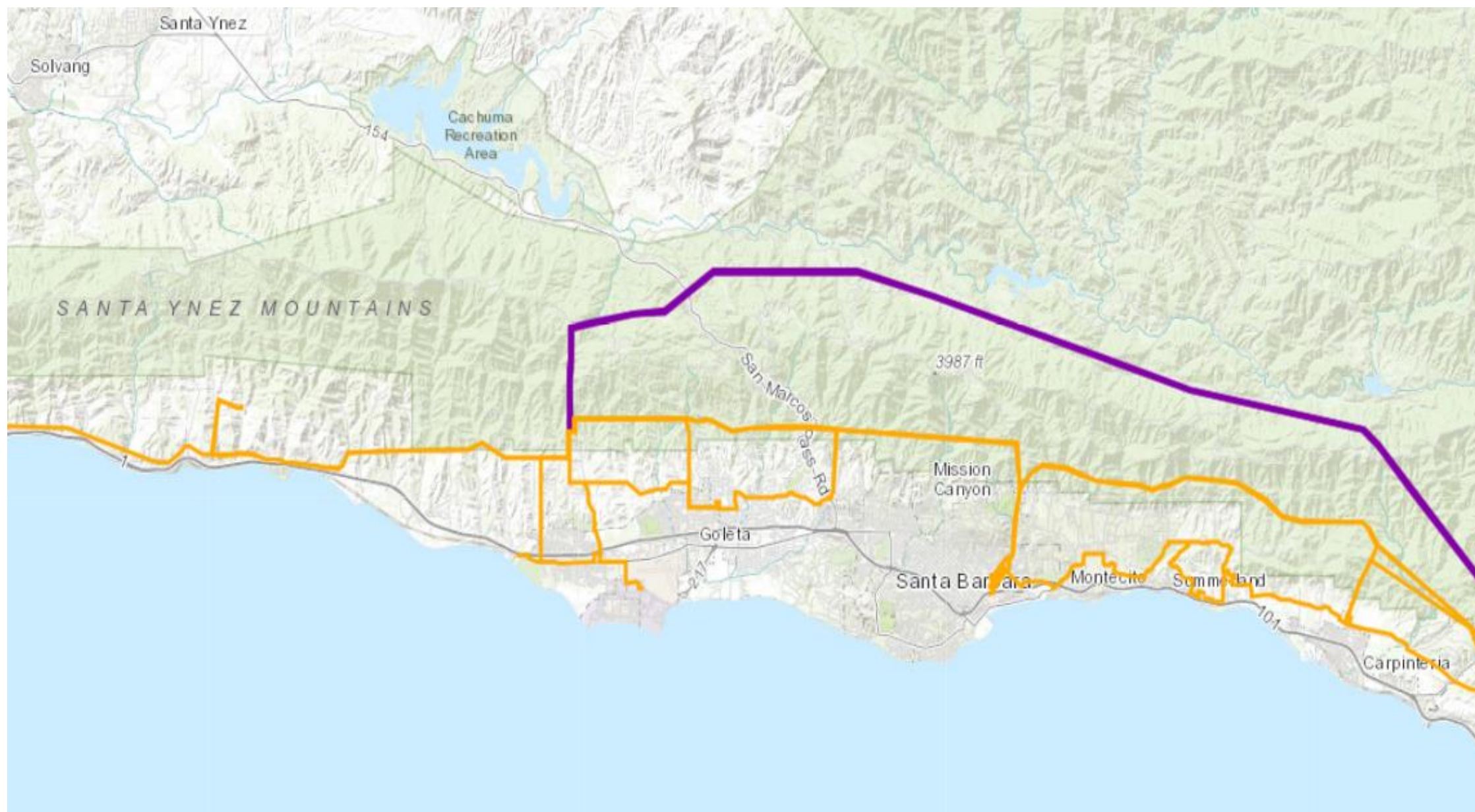


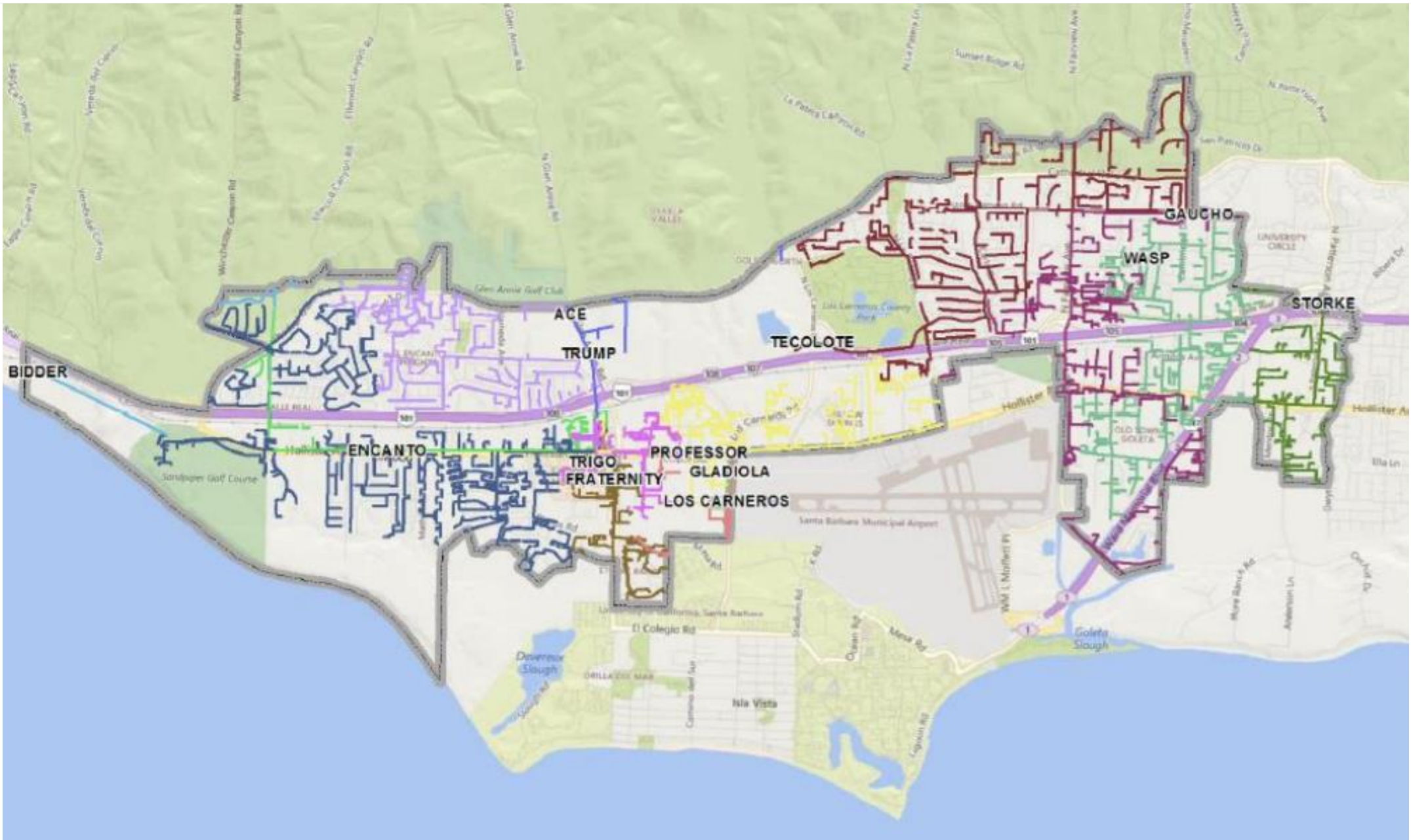
Commissioned in 2016, Tesla Powerpacks and 13MW PV system will reduce fossil fuel usage of 1.6M gallons per year. PV and storage technologies to address “real time” needs of the grid on a 24 hour basis.

Electricity Distribution



Goleta 220/66kV Transmission Circuit





In Front of the Meter (IFOM) 1MW+ Energy Storage Considerations

- Most Straightforward
 - 40' x 20' minimum footprint
 - PV + Storage, storage footprint minimum of 20' x 20'
 - SCE Interconnection process 6-8 weeks to determine feasibility
 - Commercially zoned, existing hardscape
- Longer Lead Time
 - Greenfield project with environmental permitting, interconnection impact studies, zoning consideration

