



Imperial Valley Sustainable Futures

Karen Douglas, Commissioner
California Energy Commission

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CALIFORNIA ENERGY² COMMISSION



Forecasting: Forecasts future energy needs and maintains historical energy data

Permitting: Permits thermal power plants 50 MW or larger

RD&D: Administers research and development programs, advancing science and technology in energy related fields

Energy Efficiency: Promotes energy efficiency by setting the state's appliance and building standards (Title 20 & 24)

Renewable Energy: Supports the development of renewables through certification of facilities and verification of generation

Contingency Planning: Plans for and directs the State's response to energy emergencies

Transportation: Supports deployment of alternative and renewable fuel sources

IEPR: Publishes the Integrated Energy Policy Report – the State's energy policy document

The California Energy Commission is the state's primary energy policy and planning agency.



CHANGING SYSTEM





GREENHOUSE GAS EMISSION REDUCTION GOALS

4



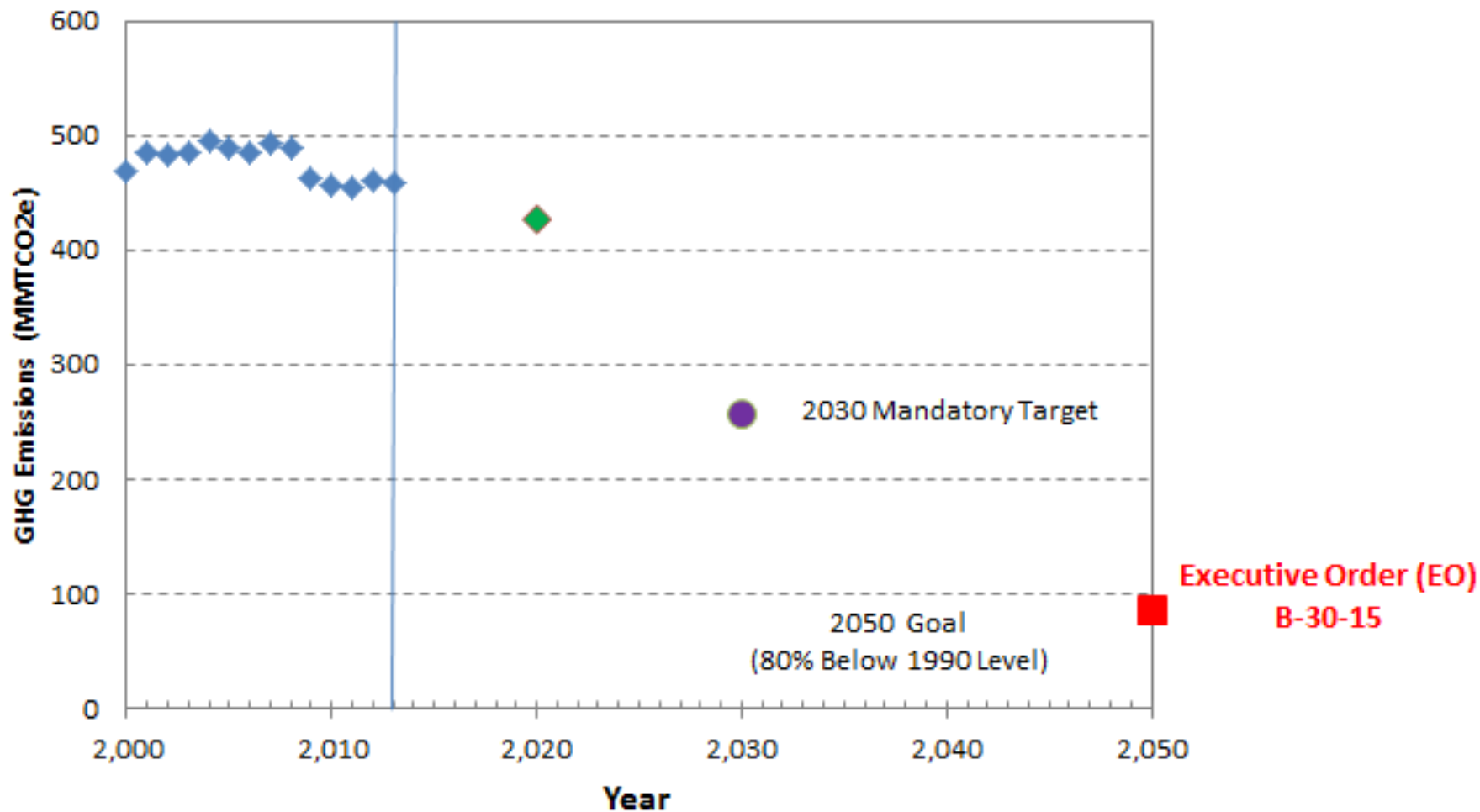
2020: 1990 levels

2030: 40% below
1990 levels

2050: 80% below
1990 levels

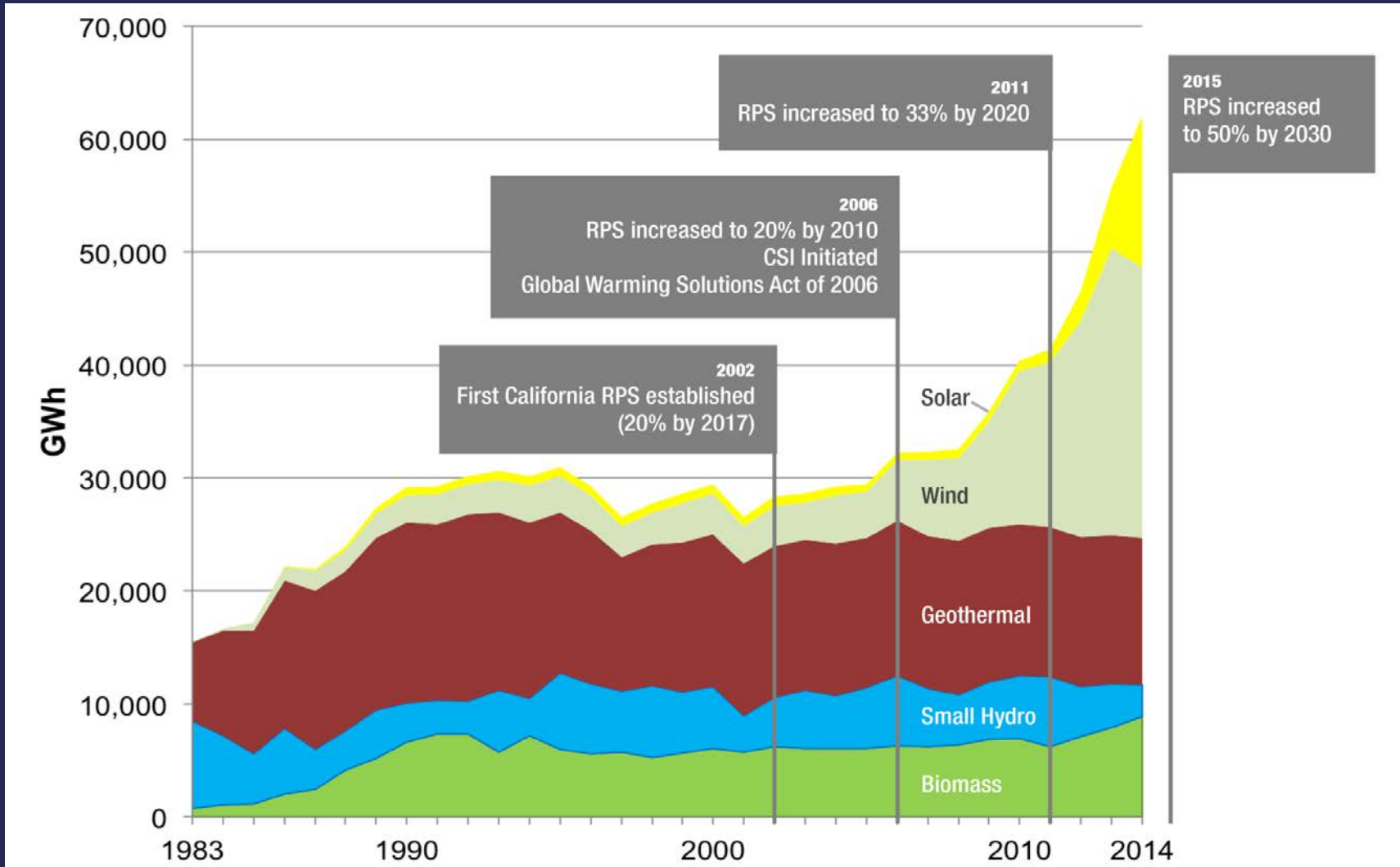


EMISSIONS: THEN AND NOW





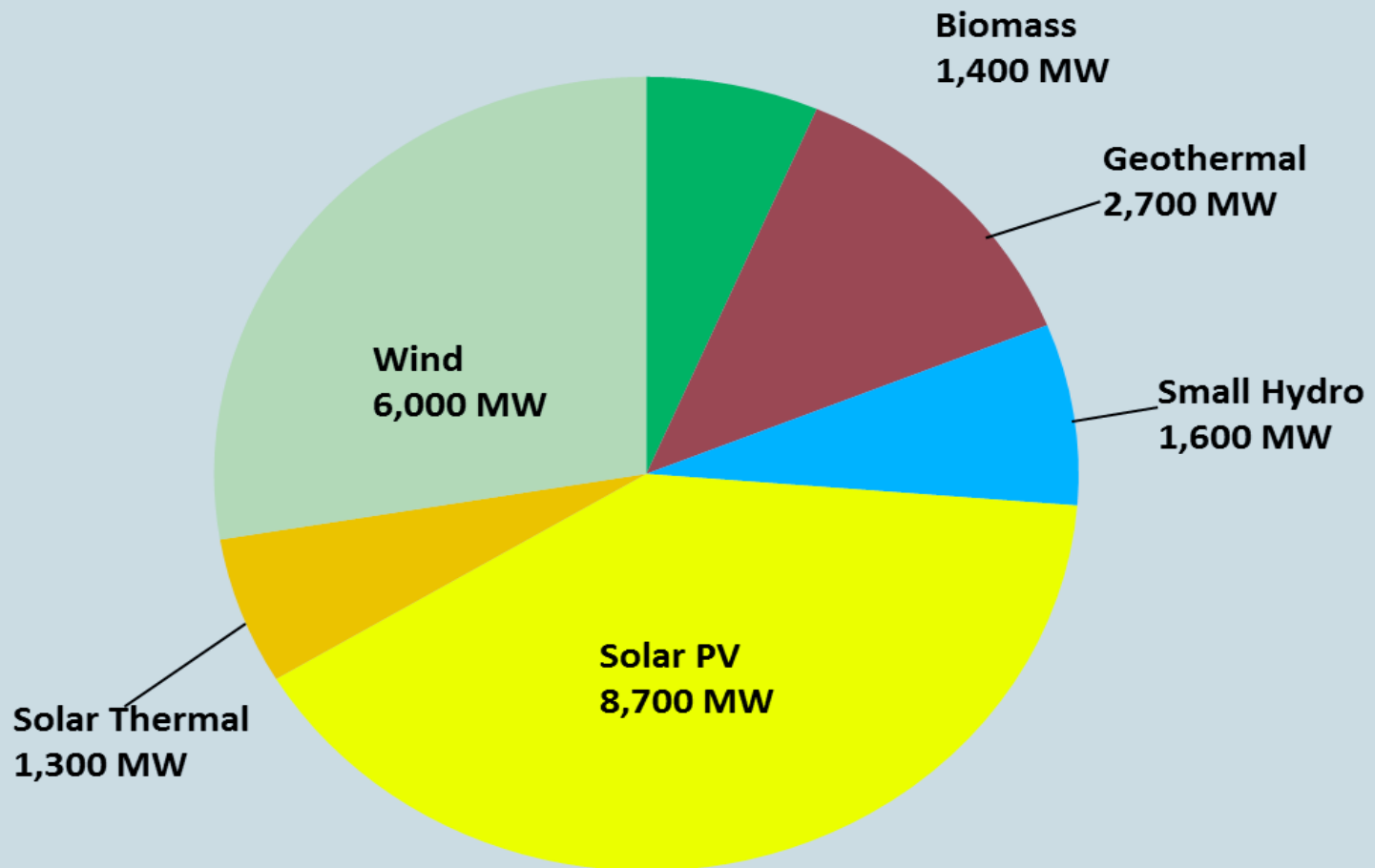
CALIFORNIA RENEWABLE ENERGY GENERATION BY RESOURCE TYPE





IN-STATE RENEWABLE CAPACITY BY RESOURCE TYPE

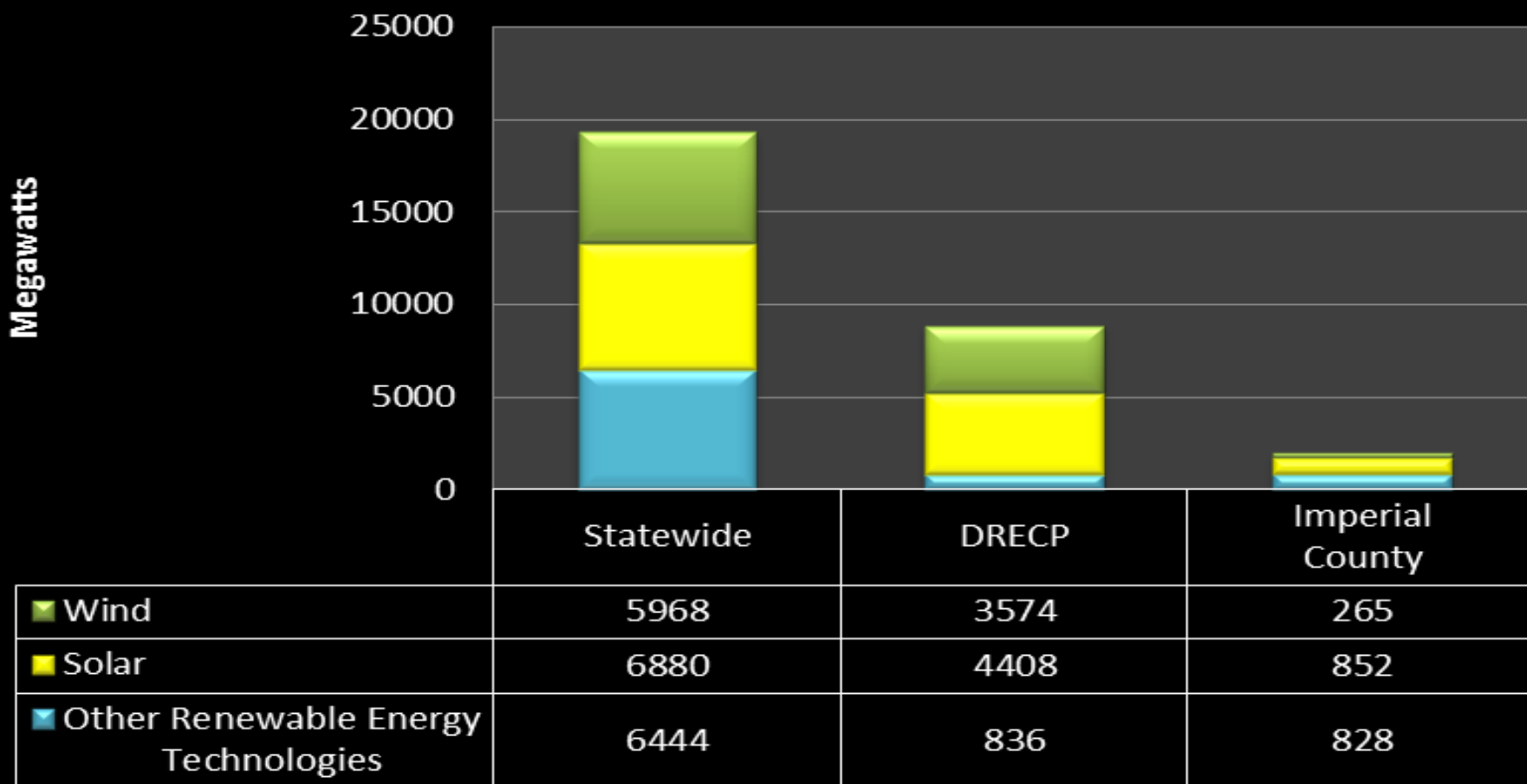
Total Estimate Capacity 21,700 MW





RENEWABLE ENERGY

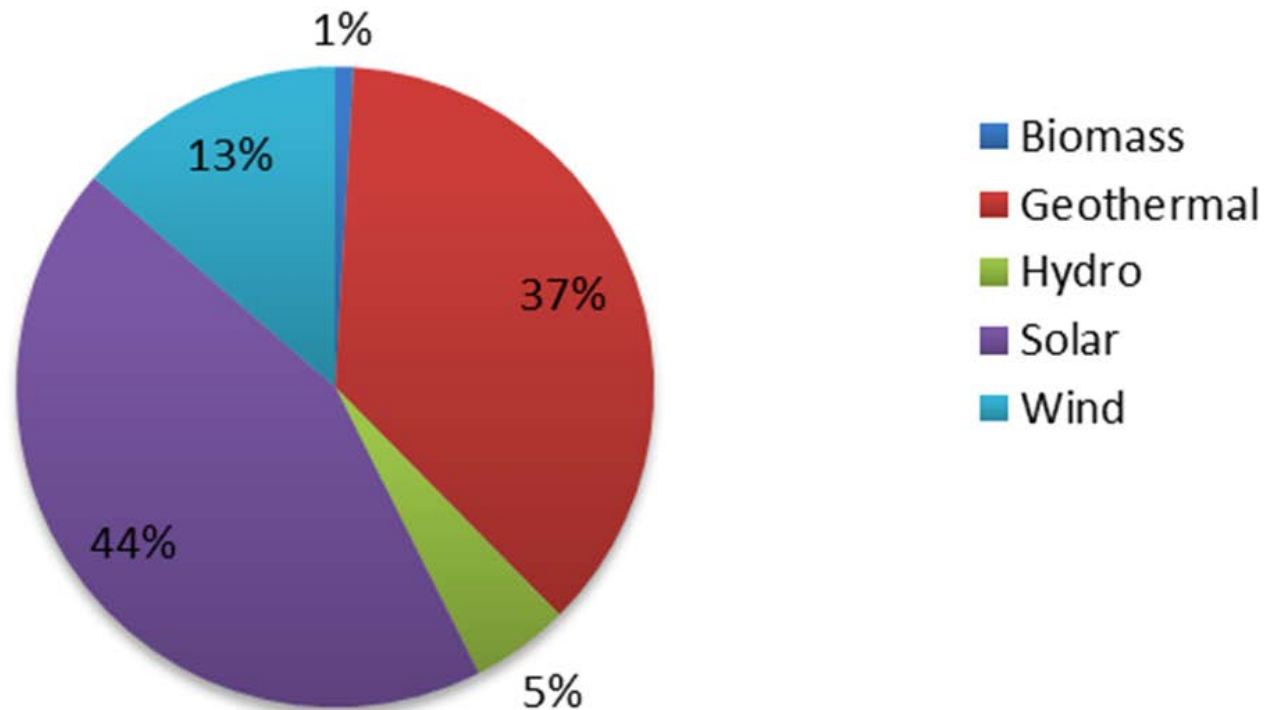
On-line Renewable Energy Capacity California





IMPERIAL COUNTY RENEWABLE ENERGY MIX

Imperial County Renewable Energy Mix





LANDSCAPE-SCALE PLANNING PROCESSES

- Desert Renewable Energy Conservation Plan (DRECP)
- San Joaquin Valley Least Conflict Solar
- RETI 2.0

