



Tribal Renewable Energy Workshop

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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



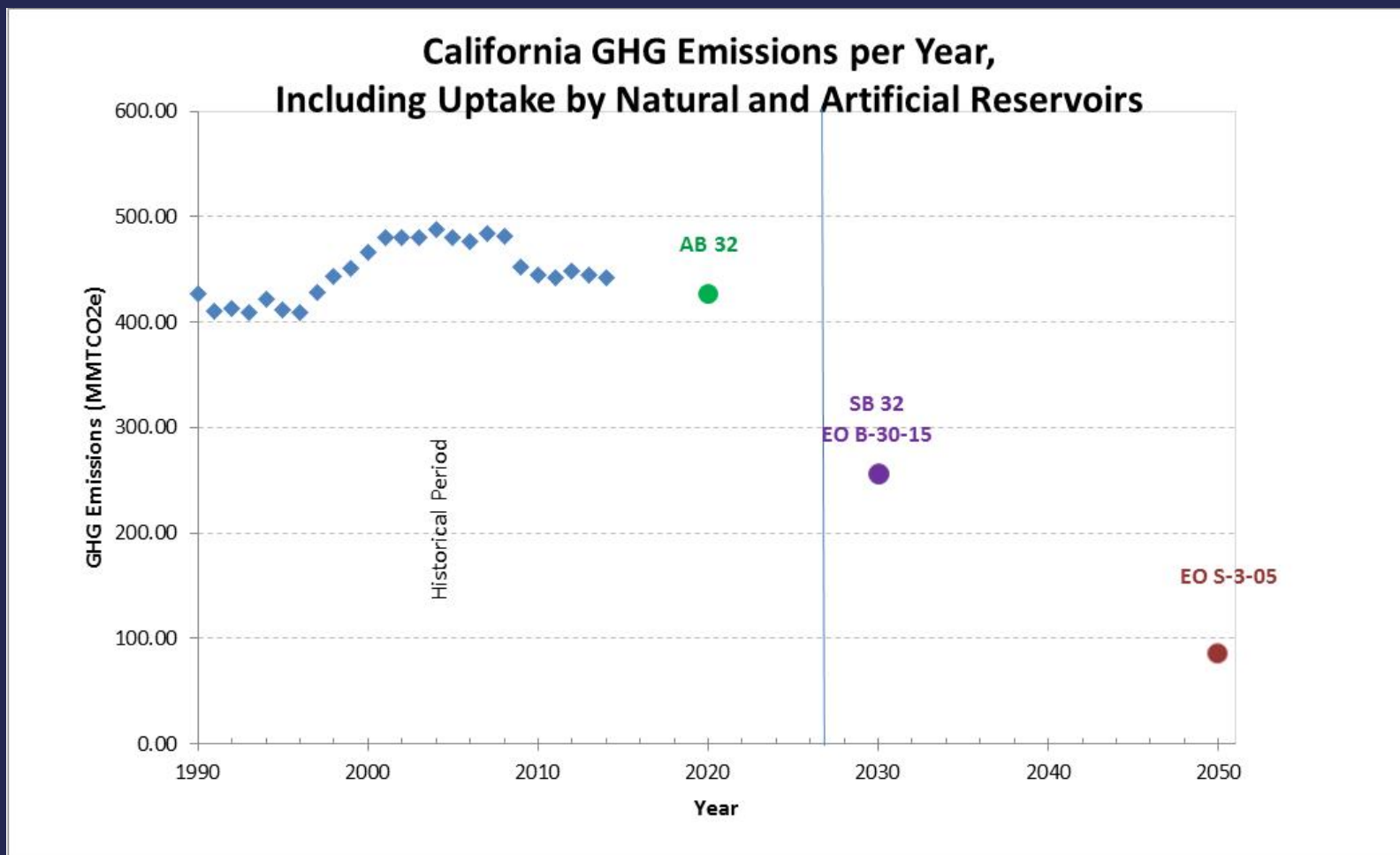
2020: 1990 levels

2030: 40% below
1990 levels

2050: 80% below
1990 levels

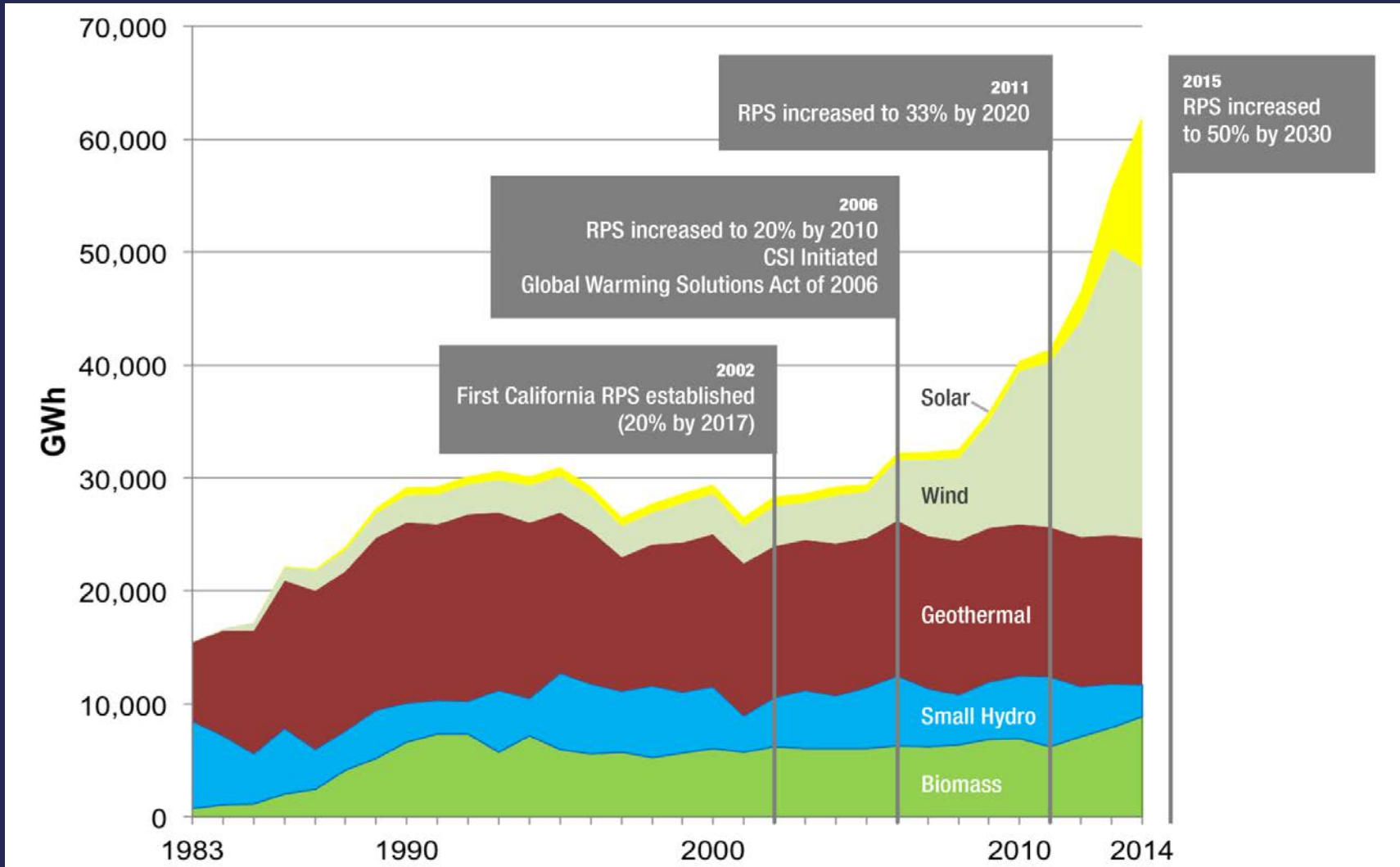


EMISSIONS: THEN AND NOW





CALIFORNIA RENEWABLE ENERGY GENERATION BY RESOURCE TYPE





TRIBAL PROJECTS AND CONSULTATION

Blue Lake Rancheria Tribe

- Energy Commission grant of \$5 million to demonstrate a community microgrid at the Blue Lake Rancheria. The project is a collaboration of the Blue Lake Rancheria and the Schatz Energy Research Center at Humboldt State University.

Chemehuevi Indian Tribe

- Energy Commission grant of \$2.6 million to demonstrate a community scale low-cost, highly efficient PV generation and energy management system at the Chemehuevi Community Center. This project is a collaboration of Chemehuevi Tribe and UC Riverside



LANDSCAPE-SCALE PLANNING PROCESSES

- Desert Renewable Energy Conservation Plan
- San Joaquin Valley Least Conflict Solar
- Renewable Energy Transmission Initiative 2.0
- Offshore Renewable Energy

