



California Energy Commission

# ***Setting 12,000 MW of DG by Region***

**IEPR Committee Workshop on Localized Renewable  
Generation**

California Energy Commission

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# Methodology for Setting Targets

- Bottom up approach – staff extrapolated data from existing programs and assumed that newly constructed behind the meter projects will be installed in the most densely populated parts of the state
- Assumed a split between behind the meter and wholesale to achieve 12,000 MW of localized electricity generation
  - 5,000 MW of onsite, behind the meter capacity
  - 7,000 MW of wholesale capacity sold to utilities
- Developed county-specific estimates



# Methodology for Setting Targets

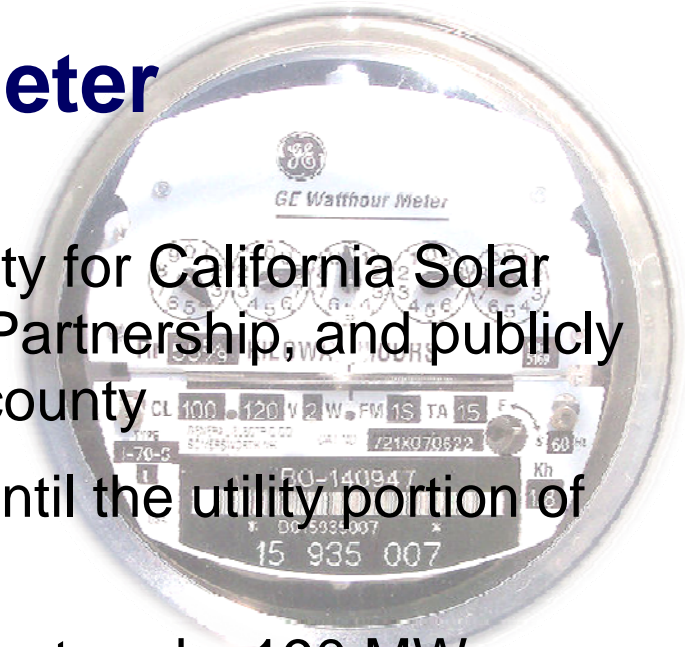
- For behind the meter, assumed continuing trends to date to achieve 3,000 MW of SB 1 target, and assumed an additional 2,000 MW installed in the most densely populated counties
- For wholesale, assumed installation of 7,000 MW based on information from existing contracts, projects going through environmental review, and projects in interconnection queues
  - 1,000 MW of new investor- & publicly owned utility contracts
  - 2,500 MW going through local government permitting
  - 3,300 MW in wholesale distribution access tariff (WDAT) queue
  - 2,400 MW in generator interconnection procedures (GIP) queue



### Behind the Meter

#### 3,000 MW of SB 1

- Started with historical data by county for California Solar Initiative (CSI), New Solar Homes Partnership, and publicly owned utility SB 1 installations by county
- CSI – Extrapolated county trends until the utility portion of the goals are met: 1,750 MW
- Low Income – Extrapolated counties trends: 190 MW
- New Solar Homes Partnership – Extrapolated residential building permit data (2009) to estimate meeting goal: 400 MW
- Used publicly owned utility goals under SB 1 to estimate meeting target: 700 MW





## Behind the Meter (continued)

- Additional 2,000 MW of behind the meter capacity
  - Extrapolated county trends of past SGIP and ERP and doubled the capacity of installed and pending projects (about 150 MW).
  - Assumed the remaining roughly 1,800 MW would be installed in the top 12 counties for population density.

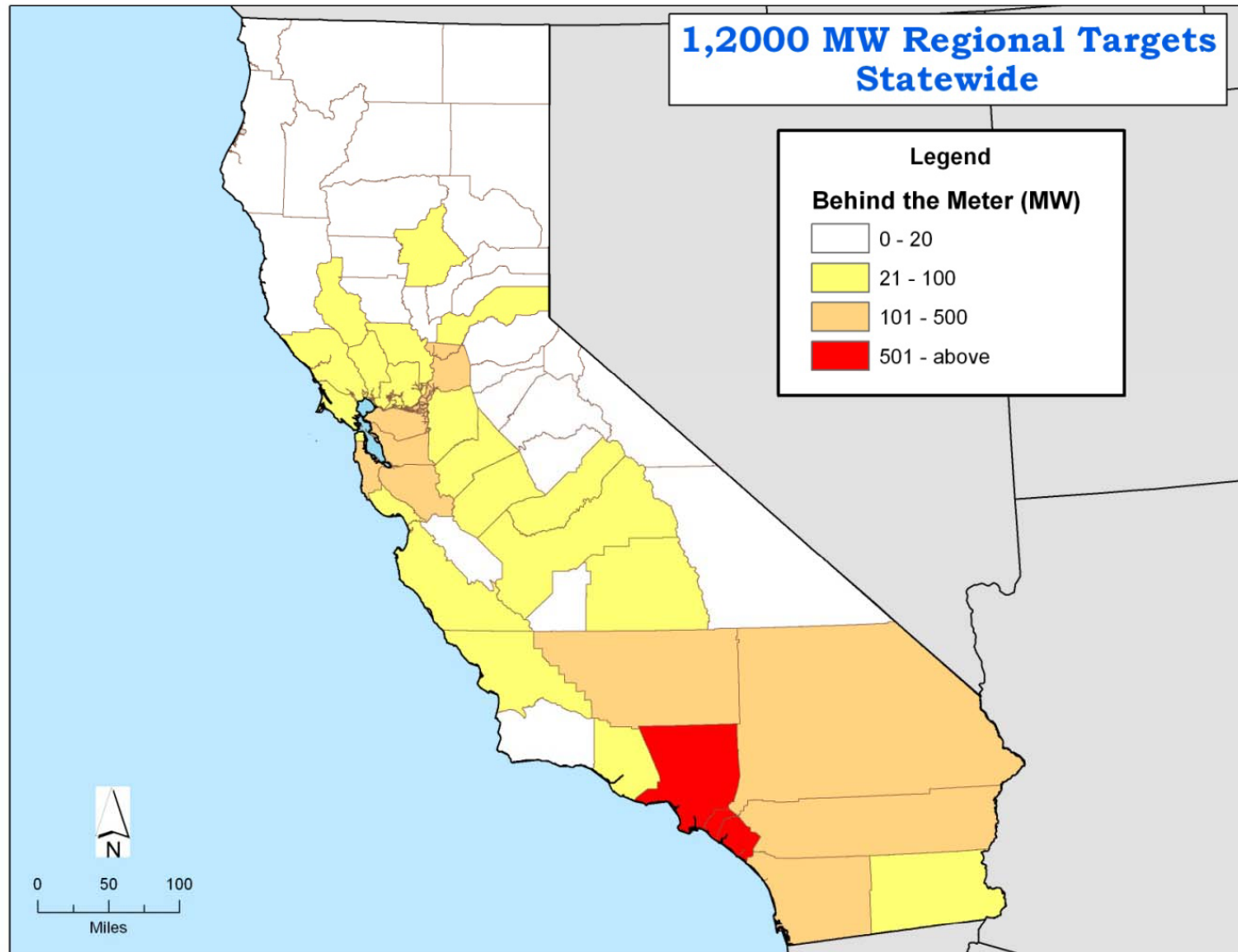


# Wholesale Distributed Generation

- Approach for estimating installation of 7,000 MW wholesale
- Identified projects by county that are currently going through local government siting and/or have a contract (about 3,200 MW)
  - Attempted to “clean” data to avoid double counting
  - Cross referenced projects in WDAT and GIP interconnection queues and utility contracts
- Remaining roughly 3,800 MW are projects only in the WDAT and GIP queues (they do not have contracts and are not going through local siting)



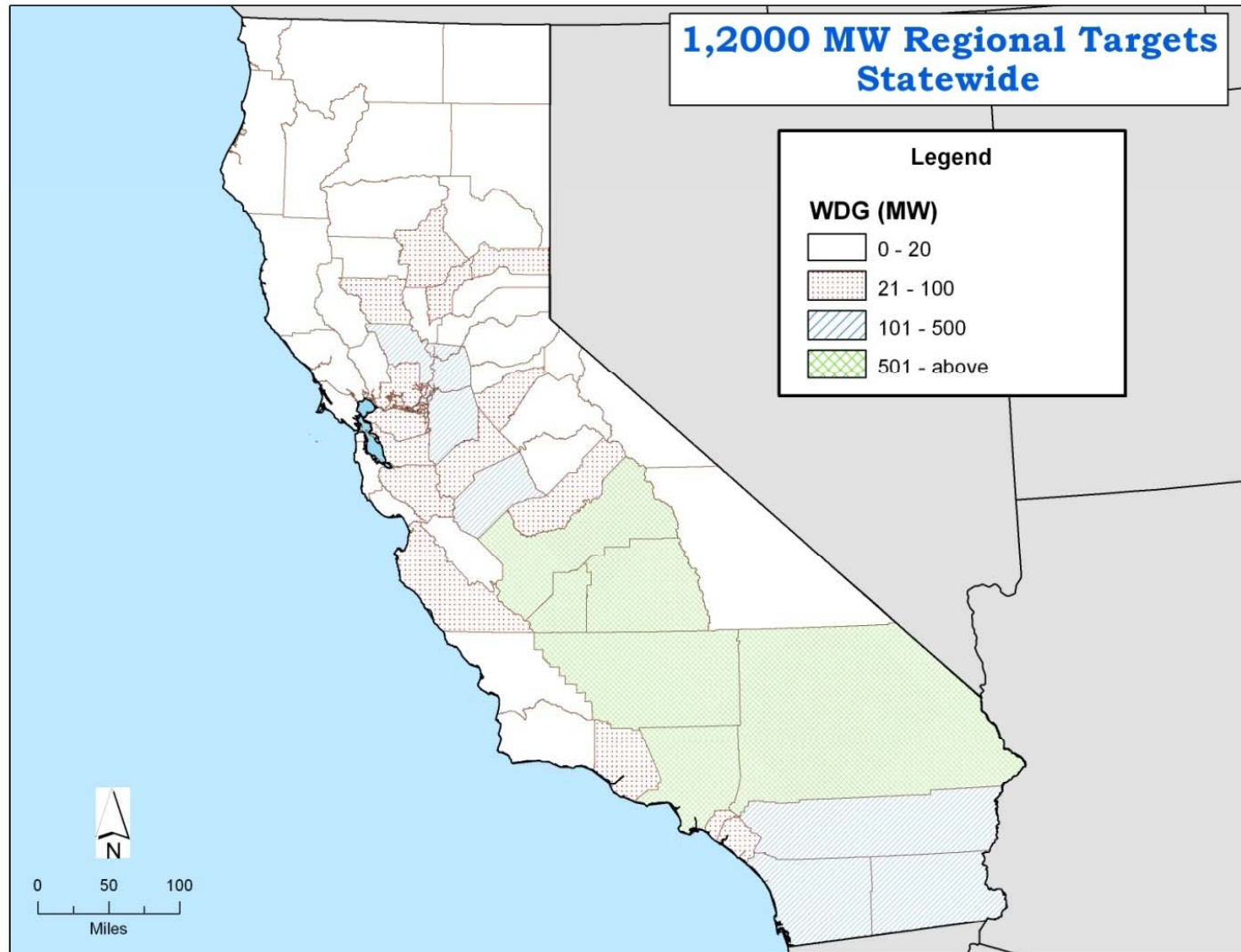
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