



California Energy Commission

LADWP Planning Area Demand Forecast

IEPR Workshop on Revised Electricity and Natural Gas Demand Forecasts 2014-2024

California Energy Commission

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California Energy Commission

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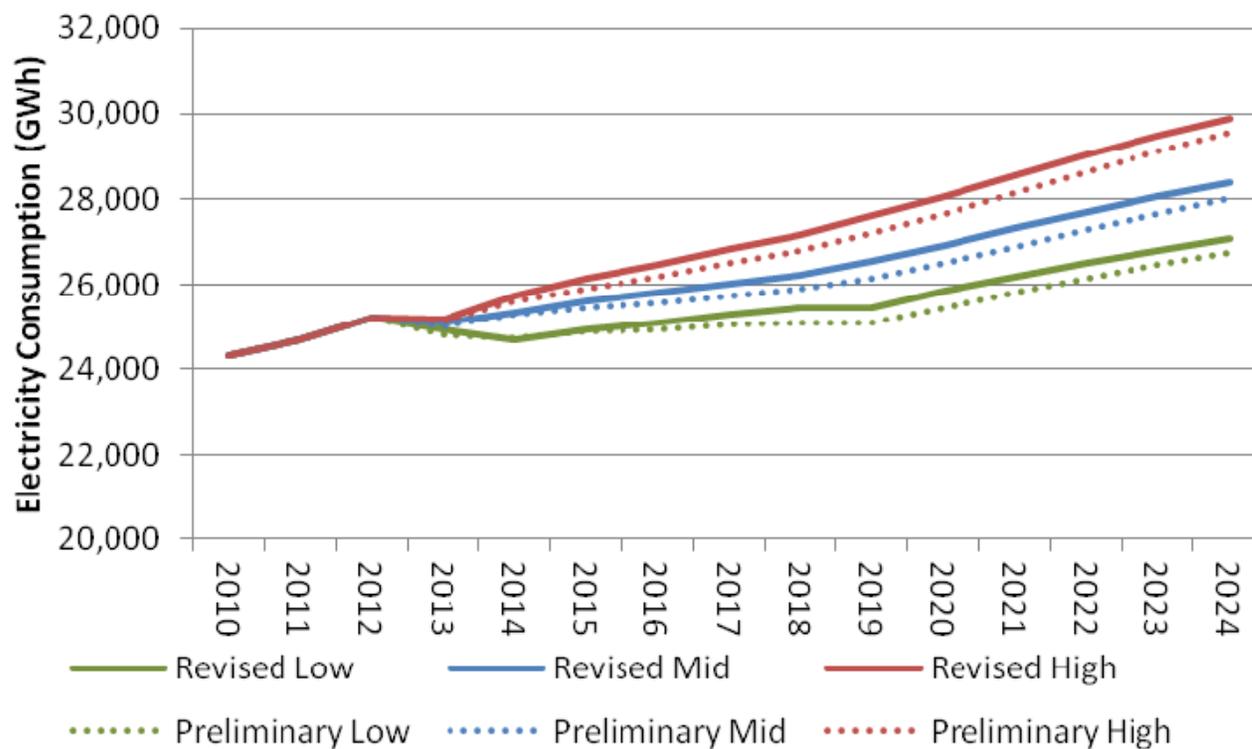
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Revised and Preliminary Demand

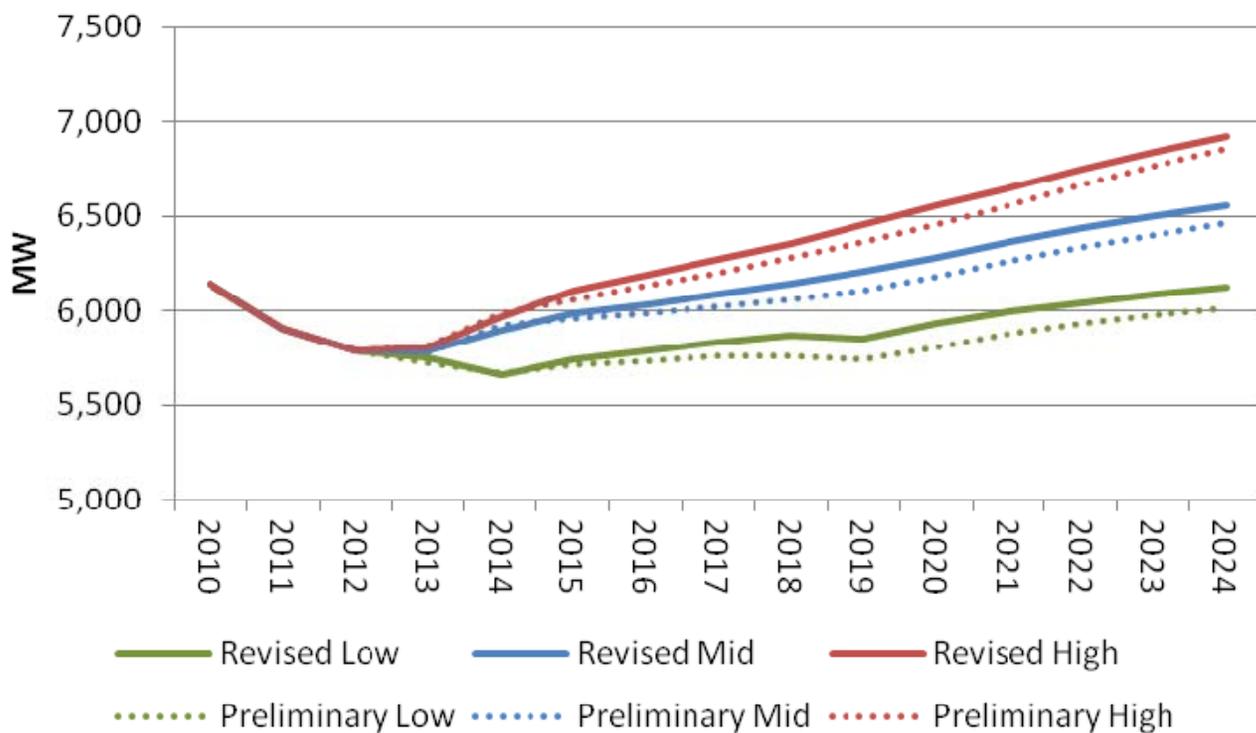
Electricity consumption increased 1.1%, 1.4%, and 1.2% for the high, mid, and low cases, respectively.





Revised and Preliminary Peak

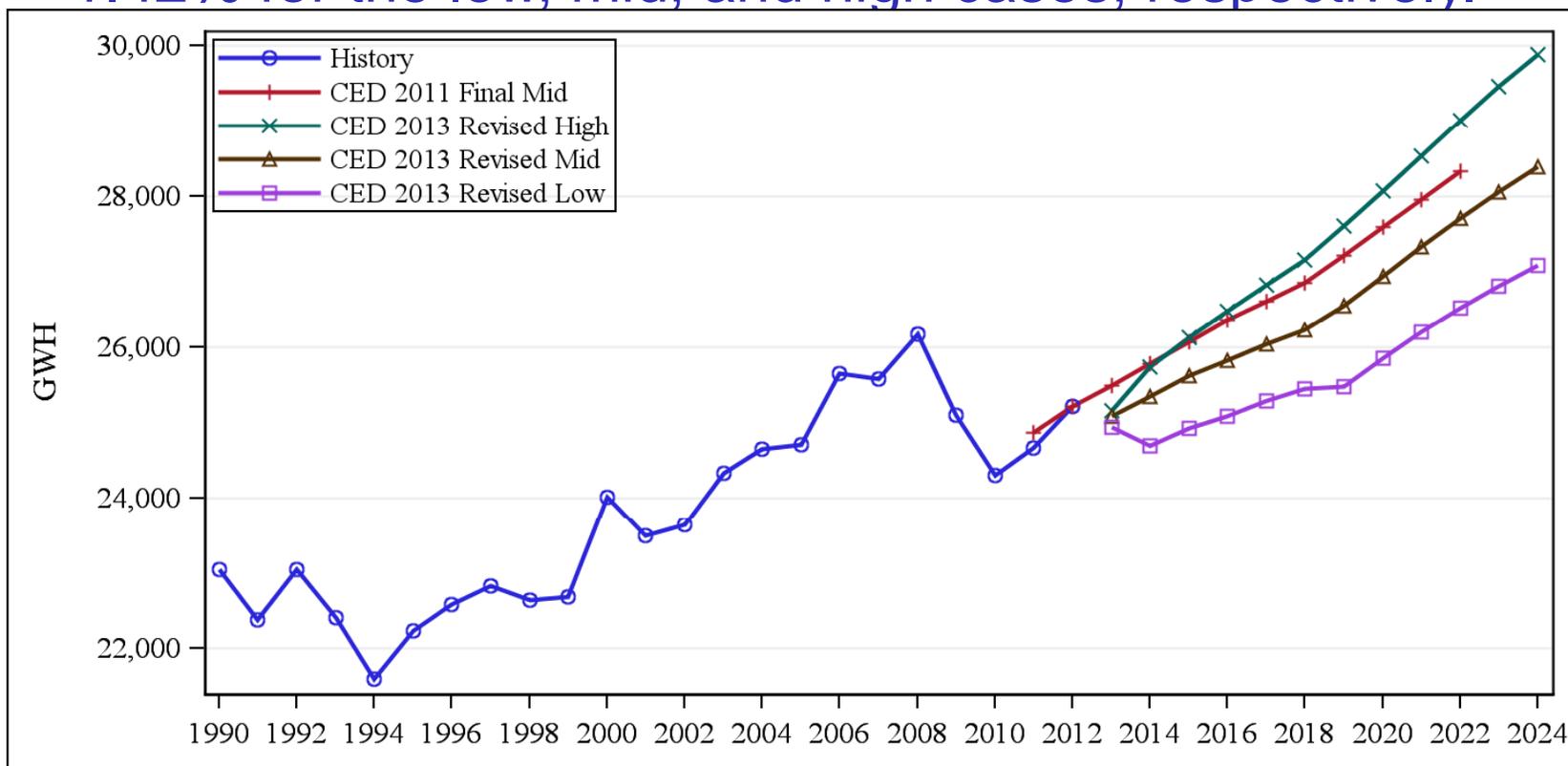
Electricity peak increased 1.8%, 1.4%, and 1.0% for the low, mid, and high demand cases, respectively.





LADWP Electricity Consumption

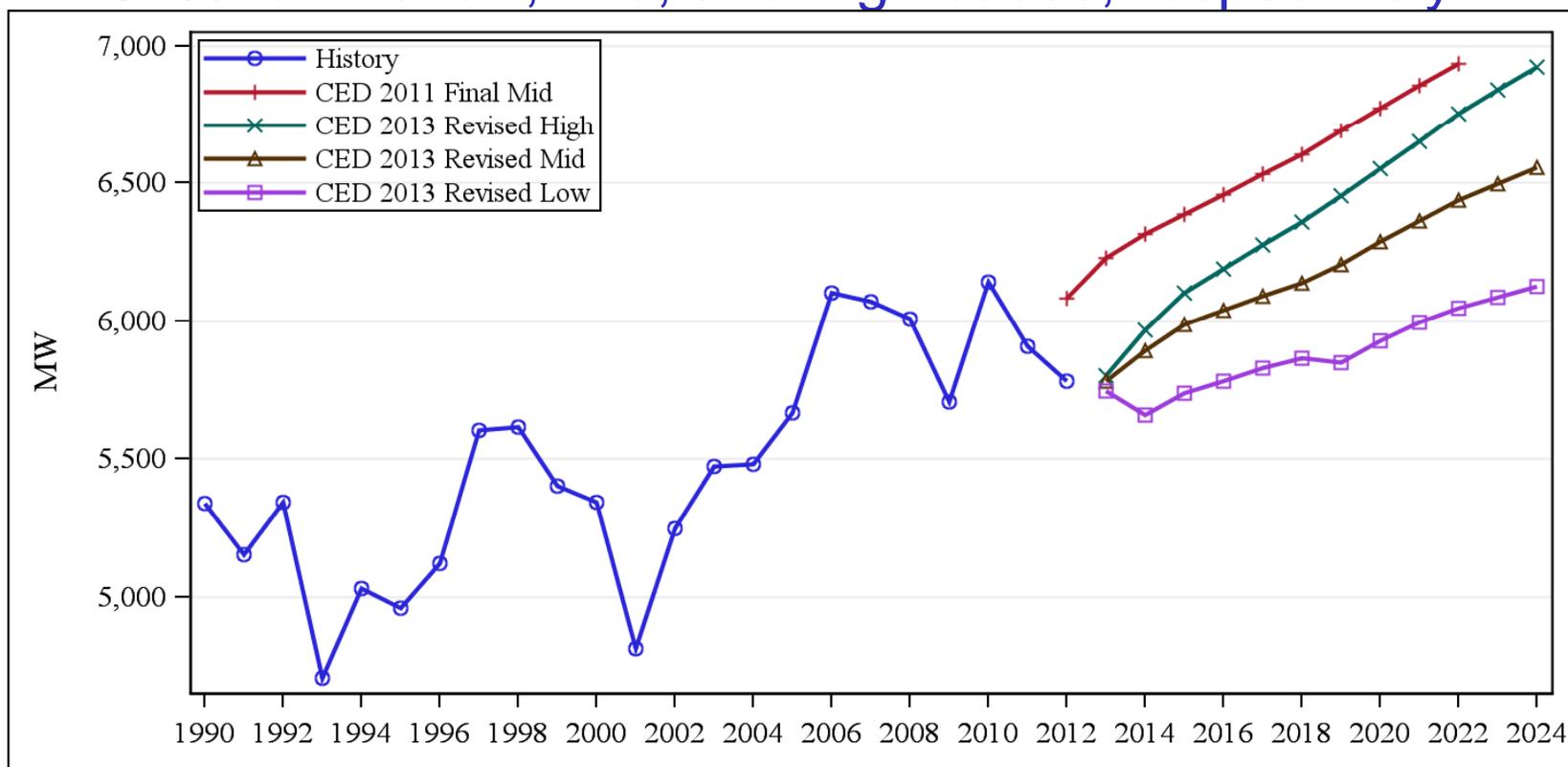
Average annual growth 2012-2024: 0.6%, 0.99%, and 1.42% for the low, mid, and high cases, respectively.





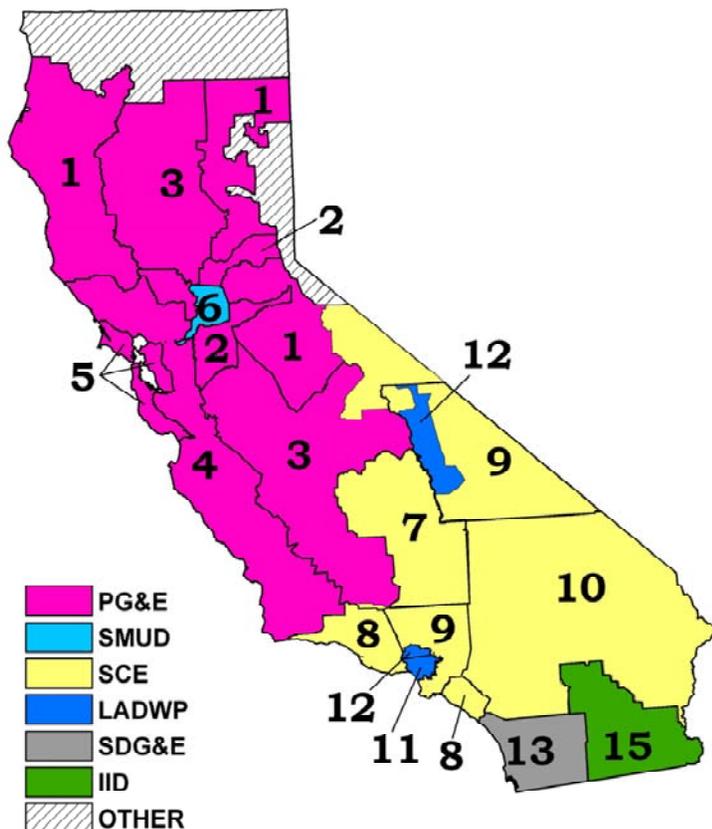
LADWP Planning Area Peak

Average annual growth 2012-2024: 0.48%, 1.05%, and 1.52% for the low, mid, and high cases, respectively.





Climate Zones



- Climate Zone 11 represented by Long Beach weather station.
- Climate Zone 12 represented by Burbank weather station (includes Owens Valley).



Consumption and Peak Growth by Climate Zone

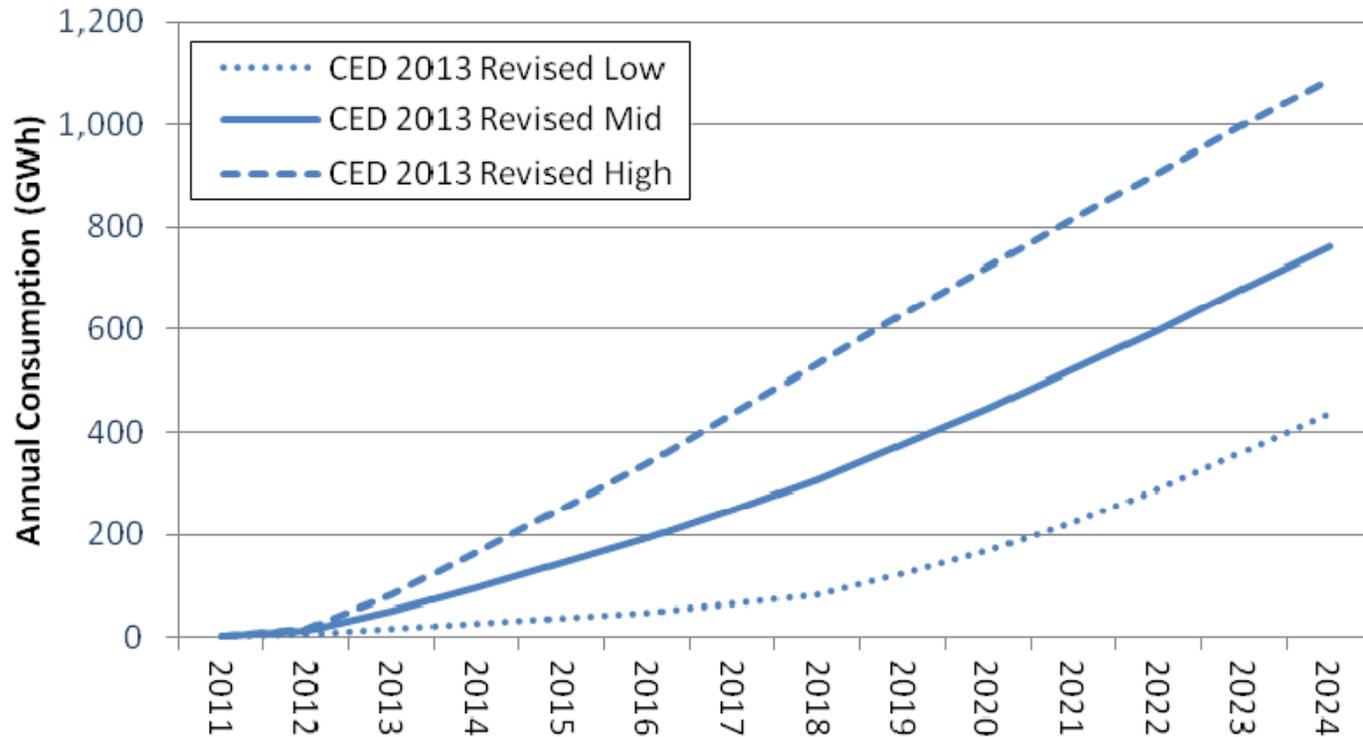
Highest growth occurs in climate zone 12 which is north and inland.

| Demand Case | Year | Consumption by Climate Zone (GWh) | | Peak Demand by Climate Zone (MW) | |
|------------------|----------------------|-----------------------------------|--------|----------------------------------|-------|
| | | 11 | 12 | 11 | 12 |
| Low Demand Case | 2013 | 8,456 | 16,483 | 1,705 | 4,041 |
| | 2024 | 8,928 | 18,158 | 1,792 | 4,334 |
| | Ave Growth 2013-2024 | 0.49% | 0.88% | 0.45% | 0.64% |
| Mid Demand Case | 2013 | 8,506 | 16,579 | 1,716 | 4,067 |
| | 2024 | 9,366 | 19,022 | 1,918 | 4,638 |
| | Ave Growth 2013-2024 | 0.88% | 1.26% | 1.02% | 1.20% |
| High Demand Case | 2013 | 8,527 | 16,629 | 1,721 | 4,080 |
| | 2024 | 9,842 | 20,044 | 2,025 | 4,901 |
| | Ave Growth 2013-2024 | 1.31% | 1.71% | 1.49% | 1.68% |



LADWP Plug-in Electric Vehicle Forecast

Annual average growth 2012-2024 exceed 40%





Port Forecast

Port electricity consumption increases as regulation compliances increases through 2020

