



# State Grid Internet Energy Center

California's data center boom is reshaping the fight over electricity bills, exposing a divide over whether these new customers will lower costs -- or drive them higher for everyone else.

Artificial intelligence and its growing demand for data centers are putting new pressure on California's electric grid. In San Jose, supporters see jobs and investment, while a key ratepayer ...

With the right policies in place, data centers could help catalyze investments that modernize California's grid while potentially lowering electricity costs for residents and businesses.

California has more than 270 data centers, with the biggest concentration in Santa Clara. The city is an attractive location because its electric rates are 40% lower than those charged by PG& E.

PG& E has been studying the data center power needs, starting with San Jose last year and expanding a follow-up study to the rest of its service area in northern and central California.

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Energy Options: SJCE sets rates based on what it costs to serve each customer class - including large customers like data centers. SJCE also continues offering renewable energy plans, so customers ...

California's data centers are driving increases in electricity use, water demand and pollution even as lawmakers stall on oversight.

Within the next five years, PG& E expects to connect 15 data centers in the South Bay -- totaling nearly 1.3GW -- which it says will create 25,000 jobs, \$227 million in property taxes and ...

CEC uses GIS to analyze existing energy infrastructure, resources, and a variety of geographic characteristics to inform energy planning, standards, permitting, and investments across the state.

The GRID Act: \$1 Million Daily Penalties and Mandatory Off-Grid Power The most aggressive piece of federal data center energy regulation is the Guaranteeing Rate Insulation from ...



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