

**DOCKETED**

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# SCE Data Center Forecast

IEPR Commissioner Workshop on California's Economic Outlook

Presenter: Elliot Dean – Data Science Specialist, Demand Forecasting

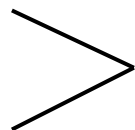
SCE recognizes the importance of forecasting data center development in our territory to proactively meet interconnection demands

### Data Center Forecasting at SCE

- Data Centers represent a significant load growth area for California and SCE
- Want to accommodate customer needs, but recognize unique challenges data centers pose
- Significant volume of requested capacity via applications & inquiries, though some could be speculative
- Forecast method based on info we collect on planned & potential projects
- The earlier we get project info the better; allows us to prepare the grid and accelerate energization timeline

#### Uncertainties:

- Potential for on-site generation
- SoCal market conditions
- Energy efficiency gains
- AI/Tech advancements



Forecast		Incremental Impact	Methods	Source
1. Start w/ Existing Demand	Existing Data Center Demand	80 MW	Carve out existing data center demand to forecast independently of baseline consumption.	Internal Customer Usage Data
	Near-Term Growth (2025-2028)	200 MW	Known data center projects – from engineering studies, grid planning ops, etc.	Planned Data Center Projects
	Mid-Term Growth (2029-2035)	400 MW	Known projects that may require significant grid upgrades. Add potential impact from early-stage interconnection inquiries.	Planned Data Center Projects & Customer Inquiries
	Long-Term Growth (2036+)	300 MW	Developed 4 long-term growth scenarios & polled 10 internal experts to get average view.	External Research & Internal Survey
3. Use Growth Rate for Long-Term				
Cumulative Impact		980 MW		