



Delivering water and power®

IMPLICATIONS OF DATA CENTERS ON LOAD FORECASTING

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WHAT IS SRP?

- One of the nation's largest public power utilities
- Provides water and power to more than **1.1 million customers** and **2.5 million people** across a 2,900-square-mile service area.
- The largest raw-water supplier in the Valley, delivering about **750,000** acre-feet of water annually
- Manages a **13,000**-square-mile watershed

THE PLANNING TEAMS BEHIND THE ISP

How do we balance all these perspectives in one plan?

What energy resources should power SRP's future system?

How will power move across the regional grid?

How will power reach homes and businesses reliably?



How can customers help shape the future energy system?

How much electricity will customers need?

Forecast Inputs

- Economy & Population Outlook
- Accounts and Price Plans
- Weather
- Distributed Solar and Batteries
- Energy Efficiency
- Electric Vehicles (EVs)
- Large Business Customer Projects



CHALLENGES WITH LARGE BUSINESS CUSTOMERS

Unprecedented interest and load growth requests
Significant cost to build the necessary infrastructure

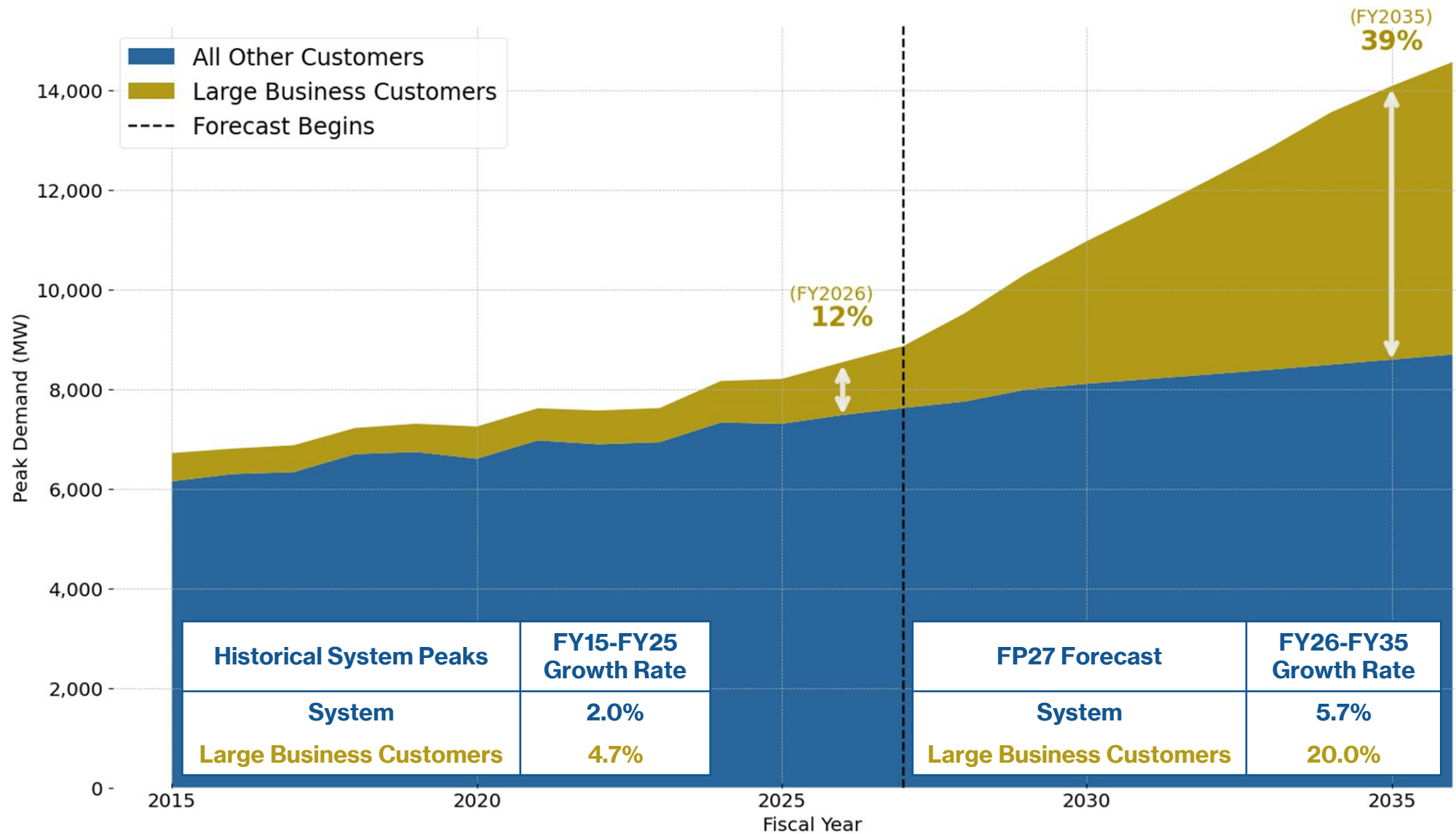
- Desire to have **capacity available sooner** than technically feasible
- **Magnitude** of infrastructure and generation necessary to meet the request
- Have historically struggled to provide **accurate load ramps**
- Efforts to reduce their financial requirements and **transfer risk to SRP and other customers**
- Significant **strain on utility staff**

NEW LARGE CUSTOMER INTEGRATION PROCESS

Serve capacity and energy needs of committed customers
Mitigate potential cost shifts to SRP's other customers

Study Approach	Study Costs	Up Front Infrastructure Costs	Long-Term Contract Commitments
From serial to cluster	- Application - \$40k - Cluster study - \$250k	Customer pays 100% of needed transmission and substation costs	15-year contract 80% minimum demand charge - Collateral requirements
Transmission			Generation

PAST & PREDICTED GROWTH FOR SRP





THANK YOU

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