



Poll

What is your top concern or current challenge with large electricity loads?

- Resource adequacy
- Load forecasting
- Tariff design
- Generation interconnection
- Load interconnection

Overview of presentation

- Large load growth in the U.S.
- Large load forecasting and interconnection
- Tariff design
- Actions states are taking
- Resources

These are examples of emerging issues associated with large loads and are not intended to be comprehensive.

Large load growth in the U.S

Load growth estimates



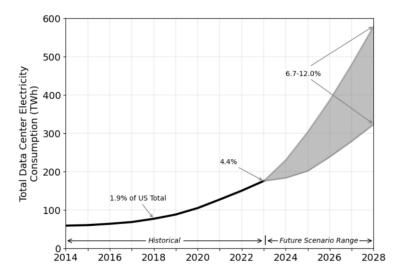


Figure ES-1. Total U.S. data center electricity use from 2014 through 2028.

Source: LBNL

Source: GridStrategies



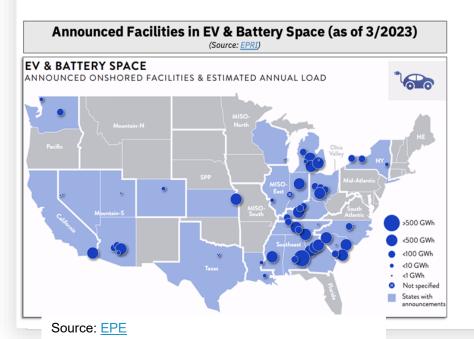
Examples of load growth drivers

- Large load growth is occurring from re-shoring manufacturing, electrification and data centers.
- These loads will have different temporal and locational impacts on the grid, and create different efficiency and flexibility opportunities.

Near-Term Load Drivers	Data Centers	Manufacturing	Electrification
Arizona Public Service			
CAISO			
Duke			
ERCOT			
Georgia Power			
ISO-NE			
MISO			
NYISO			
Pacific Northwest			
РЈМ			
SPP			

Onshore Manufacturing Load Growth

EV/Battery manufacturing is the largest sector of growth, but is relatively modest compared to data center growth



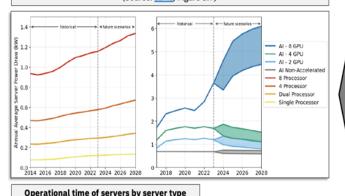
Peak Load Impact (MW) from New Onshored Manufacturing (Source: Brattle, citing EPRI)

	EV/ Battery	Fuel / Plastic/ Chemical	Metals	Semiconductor/ Electronic	Solar	Wind	Transportation	Other	Total
Southeast	327.3	34.1	8.3		25.5	-		0.4	395.6
Mountain-South	30.3	2.0	-	170.9	1.6		-	-	204.8
Ohio Valley	98.6	4.1	78.7		3.5		0.0	0.0	185.0
MISO-East	127.5	20.0	-	-	-		0.0	-	147.5
South Atlantic	129.8	0.0	1.3		1.0				132.1
California	32.3	-	54.8	0.1	9.3	-		-	96.5
Mid-Atlantic	-	78.9	0.2	-	0.5	-	6.5	5.5	91.6
Florida	-	-	-	85.0		-		-	85.0
MISO-South	2.3	52.4	27.4			-		0.0	82.1
New York	12.5		-	0.4	0.4	46.8			60.1
Texas	0.1	52.1	-		1.5		-		53.7
SPP	22.8	-	-	-	-		0.1	-	22.9
Pacific	11.6	-	-	-			-		11.6
MISO-North	-	-	0.6	-	0.2	-		2.0	2.8
New England	-		0.0			-		2.0	2.0
Mountain-North	0.6	-	-		-	-			0.6
Total (MW)	795.7	243.6	171.3	256.4	43.5	46.8	6.6	10.0	1,573



Understanding Data Center Growth in Four Charts

Aggregate average power draw of various server types across each analysis year (Source: LBNL; Figure 3.7)

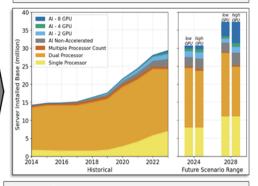


AI GPUs use significantly more energy

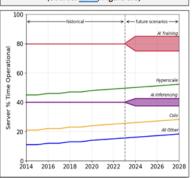
The number of installed AI services is growing significantly



(Source: LBNL; Figure 3.9)

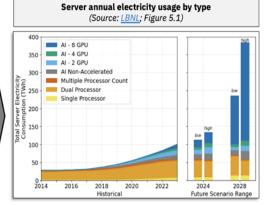


(Source: LBNL; Figure 3.6) 100



Server utilization is increasing with AI

Combined, these three factors lead to dramatic increases in overall data center demand



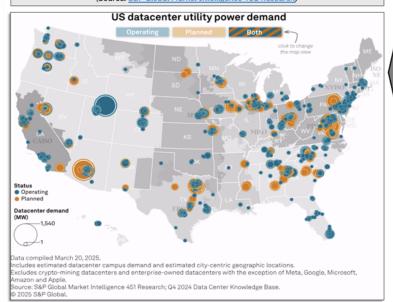
Source: EPE, LBNL

Data Center Demand is concentrated and diverse

Location, Location, Location. "Data Center" is a broad term, and the details matter

Location & Size of Operating & Planned US Data Center

(Source: S&P Global Market Intelligence 451 Research)

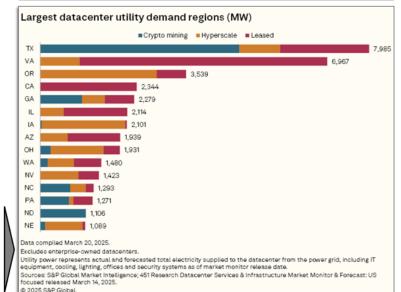


While relatively dispersed, data center loads are also highly concentrated in certain states, like Texas, Virginia, Oregon, California, and Georgia.

But the composition of those data center loads

Data Center Type for Largest US Data Center Regions

(Source: S&P Global Market Intelligence 451 Research)



are diverse, which leads to different policies and forecasting needs.

Source: EPE



Large load forecasting and interconnection

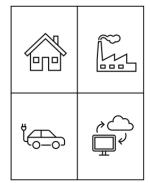
Load forecasting

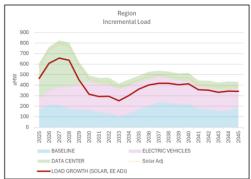
- Many utilities are projecting significant load growth from large customers.
- Information on load growth often appears in utility integrated resource plans (IRP).
- As states evaluate load forecasts, they can consider the timing, type and risk associated with the growth.

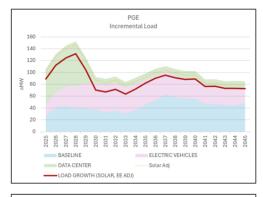


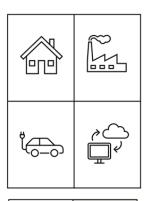
Type and timing

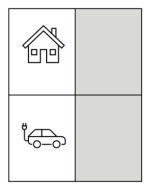
Load growth from data centers, manufacturing, building electrification and EV charging will occur at different times (daily, seasonally and annually) and locations on the grid.

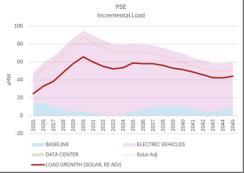


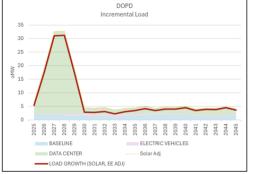


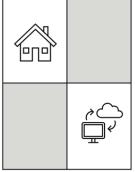










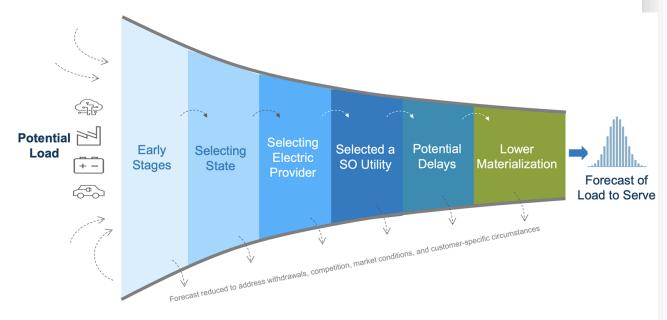






Risk

Uncertainty about how much load growth will materialize creates risk for utilities and customers.



Adjustments are based on experience and continuous engagement with customers

State-of-the-Industry in Data Center Forecasting

Overall, there is "no consensus" among utilities; practices and forecasting methods vary widely

Trends Regarding Utility Data Center Load Forecasting

(Source: EPRI)

General trends in load forecasting with DCs

- No consensus among 24 responding utilities* on how DC service requests are included in load forecasts
 - Ten utilities include the full requested capacity (as specified by the DC customer) but 8 of the 10 ramp the capacity over time
 - Another eight utilities include a derated capacity value based on specific weighting criteria (see next page)
 - Six utilities do not presently include DC requests in their load forecasts
- All face challenges around incorporating DCs into load forecasts given the speculative nature of some DC service requests

*One utility (out of the 25 total) did not respond to this specific question

- Dispassional representation of the All rights reserve

=PP

Source: https://www.youtube.com/watch?v=1ewNuk6H28w, EPRI



State-of-the-Industry in Data Center Forecasting

Overall, there is "no consensus" among utilities; practices and forecasting methods vary widely

How Some Utilities Derate Data Center Loads

(Source: EPRI)

Examples of how five utilities derate requested data center capacity values for use in load forecasting:

- Utility A:
- Derating depends on multiple factors, but DC type has largest impact. Also, generally derate colocation DCs more than enterprise.
- Derates DCs more than other large loads due to less accurate information from DCs.
- Utility B:
 - Considers DCs in the forecast process similar to other large loads. But tends to have less information about DCs, which leads to more uncertainty.
 - For corporate load forecast, consider each DC individually but focus is on forecasting DCs in aggregate.
- Littlity C
- Derates all DC requests by 20% based on prior experience. Will also vary the derating when forecasting multiple scenarios, for example, a 10% and 0% derating.
- DCs are currently the only sector for which their load forecasts are based on connection requests. However, considering applying a similar derating process for electrolysis projects in the future.

- Utility D:
- Derating based on multiple factors, including historical experience with other similar customers.
- Currently treats DCs differently from other large loads for load forecasting.
 Within DCs, derating varies based on type of DC, MW size, etc.
- Current experience has led to derating crypto mining customers more than hyperscalers given hyperscale DCs tend to more closely adhere to their contract loads.
- Only considers DC customers in five-year load forecast who have signed an agreement with the utility.
- Utility E:
 - Derating depends on multiple factors, but biggest factors are (1) whether the data has submitted a formal connection request and (2) whether there is available infrastructure to support the DC's requested capacity.
- Derating of DCs for load forecasting is more granular than other large loads given the diversity and uncertainty of DCs as a category.

None of the responding utilities provided an explicit calculation/equation for derating DC for load forecasting.

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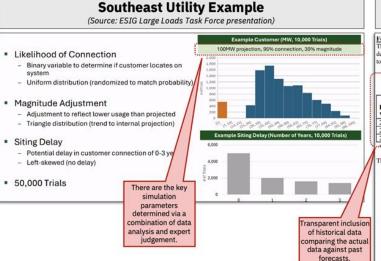
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Source: EPE, EPRI

State-of-the-Industry in Data Center Forecasting

Examples of more complex utility data center load modeling approaches design to better address uncertainty.

Southwest Utility Example (Source: ESIG Large Loads Task Force presentation) Matrix Scoring Example: Final Load Ramp Matrix Discounted Final Load Score provided load Load Ramp 68% Score The "Matrix Score" concept is designed to reflect uncertainty across multiple dimensions, such as energy infrastructure client construction. development permits land acquisition, and other intelligence.



Dominion Virginia Example

(Source: DOM VA 2023 IPR Testimony and 2023 IPR)

Forecasting Methodology

The Company has been tracking data and preparing forecasts for a long period of time and has developed a very robust forecast methodology. Figure 4.1.5.1 compares the Company's forecast to actual data center demand for 2020-2022.

Figure 4.1.5.1 – Data Center Industry Peak Billed Demand in MW Company Service Territory

	Forecast a	nd Results	Variance	% of
Forecast	155.55.477,000			Variance
Year	Forecast	Actual	Over/(Under)	To Actual
2020	1,559	1,808	249	14%
2021	2,179	2,302	123	5%
2022*	2.848	2.767	(81)	-3%

The Company models industry demand growth using the following method:

- Segments the modeling using the eight largest or fastest growing customers and a ninth
 model consisting of all remaining customers combined into one segment nine models in
 total
- Statistically models sales in MWh including lost retail choice sales
 Statistically models demand (MW) using three different approaches
- Approach 1: linear regression of demand
- Approach 2: polynomial regression of demand
- Approach 3: linear regression of sales to demand
- One of these three approaches is selected for each of the nine customer segments based on customer provided intelligence
- Estimate future retail choice conversions (lost MWh sales)
 Develop high, medium, and low demand scenarios
- In total, there are 27 models used to develop the forecast

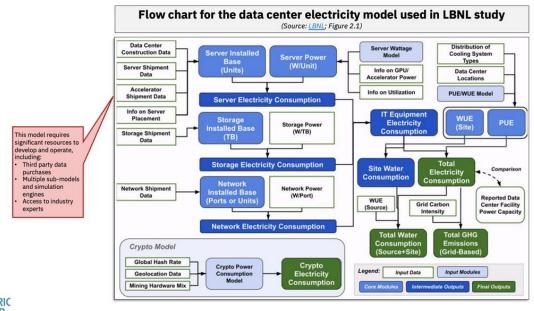
Inclusion of confidential customer intelligence provides unique insights that can help calibrate a forecast



Source: EPE

Bottom-up Data Center Modeling: The Gold Standard?

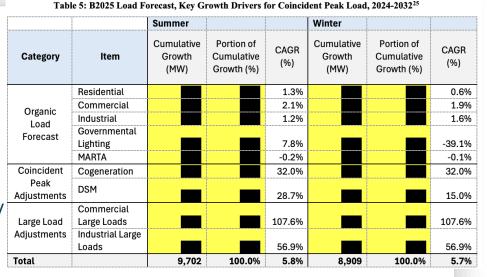
LBNL's Data Center Energy Usage Report represents one of the most robust *publicly* available data center load forecasting methodologies. But is it a feasible model for others to emulate?





Load forecasting example

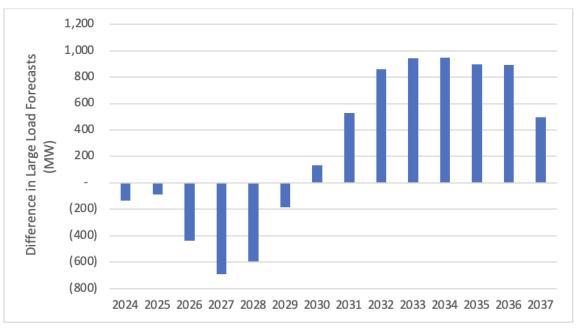
- Georgia Power's load forecast in their 2025 IRP projected 107% compound annual growth rate for commercial large load summer peak load.
- Georgia <u>PSC Staff testimony</u> found (among other findings)
 - "Since the 2023 IRP Update, the Company has identified a significant rate of project removals and net load reductions in its large load pipeline.



- Project removals and net load reductions are concentrated amongst data center projects, particularly those in the Technical Review stage.
- The Technical Review stage refers to projects that have not yet signed a Request or Contract for Electric Service. The Company does not consider these projects as "committed customers."

Load forecasting example (2)

Figure 8: B2025 Large Load Forecast Simulation less February 2025 Large Load Forecast Simulation 79



Source: Georgia PSC

Large load interconnection process

- Interconnection of large loads can be complex, intersecting with IRP and utility or RTO transmission planning.
- Often, there is not a publicly available description of a standardized process to interconnect a large load to a utility system.
- Speculative load interconnection requests have contributed to difficulties in processing new requests and in assessing whether there is enough generation and transmission capacity to meet demand.

Dominion Energy Data center request process

Typical data center request process from contact to connection

























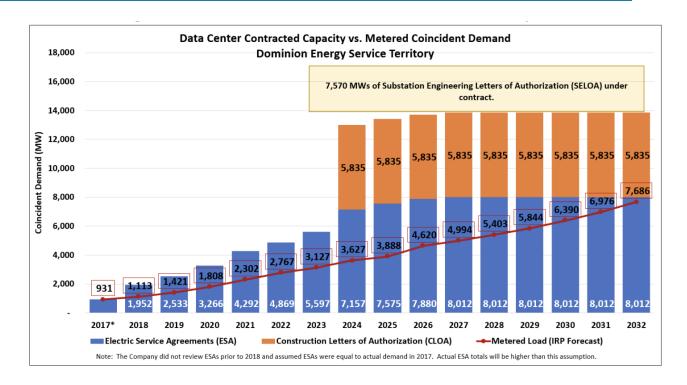


- Identify infrastructure requirements
- Detailed engineering plan
- Costs reimbursed to Dominion Energy
- Authorizes construction
- Customer must reimburse Dominion
 Energy for all spent costs should they walk away
- Substation(s)
- High voltage transmission lines
- Distribution lines
- Defines how the customer will take service and structure to recover costs
- Includes revenue requirement whether customer takes service or not

Development and infrastructure costs are incurred by the customer

Dominion Energy <u>Construction Letter of Authorization and Electric Service Agreements</u>

Dominion provides information on the quantity of load in different stages of interconnection in their IRP.



Tariff designs

With contributions from Andy Satchwell, Peter Cappers, Sanem Sergici, Ryan Hledik, Goksin Kavlak, and Glenda Oskar





January 2025

Electricity Rate Designs for Large Loads: **Evolving Practices and Opportunities**

Andrew Satchwell, Natalie Mims Frick, and Peter Cappers (Berkeley Lab) Sanem Sergici, Ryan Hledik, and Goksin Kavlak (The Brattle Group) Glenda Oskar (U.S. Department of Energy)

Electricity demand from large-load customers such as data centers is projected to grow significantly in the near term. While these large loads play an important role in advancing technology innovation and economic growth in the United States, meeting their energy needs requires utilities and regulators to consider important financial and operational risks from underutilized investments or insufficient energy supply, infrastructure, and operational capabilities, with implications for all ratepayers. This paper provides an overview of how utilities and regulators are managing these risks through different tariffs, including rate structures and service agreements. Utilities, regulators, customers, and other stakeholders can use this paper as a foundation when discussing issues and sharing perspectives on developing new large load tariffs or reviewing existing ones.

Introduction

U.S. electricity demand is projected to grow significantly in the next decade, largely driven by data center expansion and artificial intelligence (AI) applications but also new domestic manufacturing and electrification in other sectors (NERC, 2024). While maintaining a reliable power grid at least reasonable cost and risk is always an imperative, ensuring new data centers have sufficient energy supply to maintain and continuously develop AI training models in the United States is vital for protecting national security and ensuring that AI systems are safe, secure, and trustworthy. The United States also has a strong interest in supporting the domestic development of AI applications, as they represent U.S. leadership in technology innovation and economic growth.

Reliable energy supply and robust infrastructure are critical to the successful deployment and expansion of large loads such as data centers. Data centers are among the most energy-intensive building types due to their continuous operation, computing equipment, and cooling needs.1 Lawrence Berkeley National Laboratory estimates that total U.S. data center electricity demand more than doubled (2.3x) from 2018 to 2024 and could triple (3.3x) from 2024 to 2028 (Shehabi et al., 2024). Additionally, the power system impact of these customers may be particularly significant for individual utilities and regions. According to the Electric Power Research Institute (EPRI), 12 states accounted for 84% of data center growth since 2020 (EPRI, 2024).

Regulators, utilities, and large-load customers are exploring tariffs including rate structures, electric service agreements, and special contracts that achieve the objectives of reliable and affordable

Report available here

Four themes of large load tariffs we reviewed:

- Fairly allocate electricity system costs
- Mitigate utility and customer financial risks
- Mitigate operational and RA risks
- Accommodate the diverse needs of largeload customers



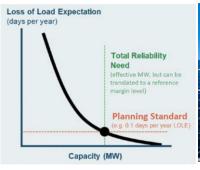
Utilities and regulators may have specific rate design objectives for data centers

Resource adequacy

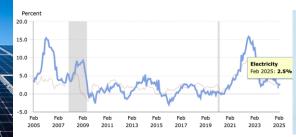
Air pollutant reductions

Affordability

Desire to attract large load customers









Source: NARUC

Source: SEIA

Source: Bureau of Labor Statistics

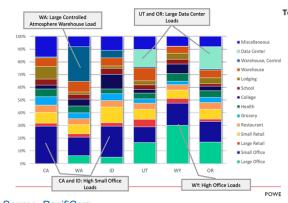
Source: McKinsey & Company

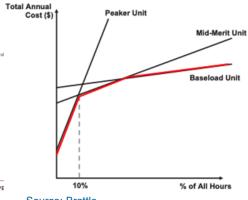
Tariff elements to fairly allocate electricity system costs

Applicability to specific customer type

Marginal pricing

Economic development payments







Source: Area Development

Source: PacifiCorp

Source: Brattle

Tariff elements to mitigate utility and ratepayer financial risks

Upfront payment and exit fees



Source: Giorgio Trovato on Unsplash

Credit rating and collateral requirements

GRADE	DESCRIPTIONS	FITCH	S&P	MOODY'S
	Highest credit quality, minimum credit risk	AAA	AAA	Aaa
6	Very high credit quality, very low credit risk	AA	AA	Aa
4	High credit quality, low credit risk	A	А	А
INVESTMENT	Good credit quality, moderate credit risk	BBB	BBB	Baa
	Issuer faces adverse conditions and uncertainty, substantial credit risk	BB	ВВ	Ba
	High credit risk, issuer able to meet financial commitments	В	В	В
	Vulnerable and default likely	ссс	ссс	Caa
A	Issuer is highly vulnerable or near default	сс	сс	Ca
HIGH YIELD	Lower ratings, issuer in default	С	c	С
(or "Junk")	Lower ratings, issuer in default	RD	D	
	Lower ratings, issuer in default	D		

Source: Financial Edge

Contract duration, sizing and resizing



Source: FreePik

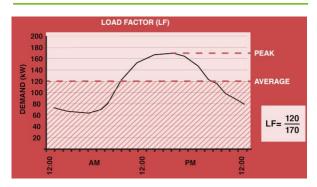
Minimum load requirements and demand charges

Total Contract Cap. (MW)	Min. Demand (MW)	Percentage
113	95.50	84.51%
114	96.50	84.65%
115	97.50	84.78%
116	98.50	84.91%
117	99.45	85.00%
117+	85.0	00%



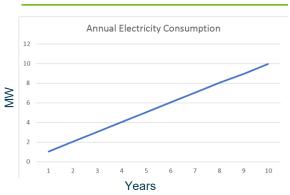
Tariff elements to mitigate operational and resource adequacy risks

Minimum load factor



Source: APS

Ramp times



Behind-the-meter resources as backup and supplemental power

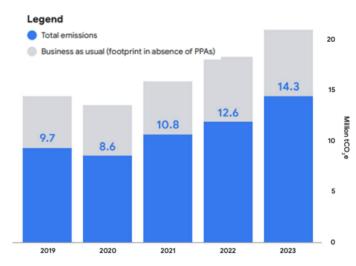


Source: Sunlogix

Tariff elements to accommodate the diverse needs of largeload customers

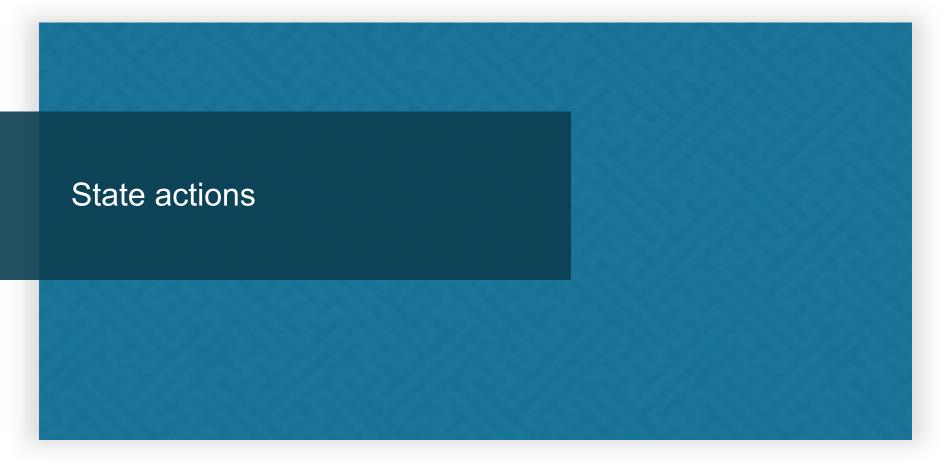
Clean energy requirements

Opportunities to leverage specific generation technologies





Source: Google Source: Google





Requiring additional information for load forecasts

- Georgia PSC staff <u>recommended</u> the Commission:
- Continue providing quarterly large load economic development reports. In addition to the data currently provided in the quarterly reports, the Company should provide the following additional information:
 - The quarter in which the project entered the large load pipeline,
 - The announced load of the project when it first entered the large load pipeline,
 - Whether the customer is considering sites outside of Georgia, and
 - A description and quantification of financial commitments provided by each large load customer.

Informational proceedings (1)

- New Mexico PUC opened an inquiry docket (2024) to evaluate grid readiness and economic development (Docket 24-00257-UT).
- The Commission required the utilities to respond to 13 questions to examine the utility's ability to meet new load from customers larger than 500kW. They subsequently issued 17 follow-up questions on the focused utility readiness to serve new demand and potential barriers to serving new demand, broken into three areas:
 - Integrated resource planning
 - Certificates of Public Convenience and Necessity (CPCN) and
 - Other commission rules

Issue	Pros	Cons
		- Shorter timelines (e.g., 60-day review) may reduce oversight, risking imprudent resource
	- Accelerates resource planning (from 24-33	choices impacting ratepayers.
	months) for large loads, enabling timely economic	 Mid-cycle RFPs without full review could
	development (e.g., oil and gas sector).	bypass stakeholder input, potentially
IRP Rule Amendments (17.7.3 NMAC)	- Defined Material Event criteria (e.g., PNM's 30-	prioritizing large loads over existing
Adopting utility proposals for concurrent	day review, EPE's post-notice updates) clarify off-	customers.
IRP/RFP filing, 60-day Statement of	cycle procurement, reducing delays.	- Prudence presumptions may limit
Need, 105-day acceptance, mid-cycle	- Mid-cycle RFPs with 15-day IM checks and	Commission scrutiny, increasing ratepayer
RFPs, defined Material Event criteria	prudence for 17.7.3.12/14 portfolios expedite	exposure to costly projects if not rigorously
(e.g., 30-day review, post-notice process,	CCN/PPA filings, enhancing reliability.	defined.
non-material RFPs), prudence	- Single IRP avoids duplicative planning,	- Single IRP may undervalue zone-specific
presumptions, and single IRP process	maintaining stakeholder transparency while	needs, delaying targeted infrastructure for
(Inquiries i, ii, iii, iv, xvi).	supporting ratepayer cost control.	high-demand areas.

Informational proceedings (2)

- Pennsylvania PUC requested responses (2025) to 14 questions on the design of a large load customer model tariff (responses were due June 6).
 - The questions posed to consumer advocates include:
 - What safeguards do you believe are essential to prevent cost-shifting from speculative or short-lived data center investments onto existing ratepayers?
 - How can we ensure tariff structures are transparent enough to allow meaningful public input on what constitutes fair cost allocation, especially when commercial contracts are confidential?
- <u>The Virginia SCC</u> held a technical conference (2024) examining Informational proceeding on rate impacts and tariff designs due to the interconnection of data centers.
 - The Commission heard presentations from SERC, IOUs, co-ops, hyperscalers, local government and advocacy organizations, among others.

Informational proceedings (3)

- Arizona Corporation Commission (ACC) <u>opened a docket (2025)</u> to review existing rate classifications and explore creating more transparent rates for data center customers and the public.
- The ACC identified other topics that may be discussed in the docket including:
 - "Review of utility mechanisms being implemented with data center customers,
 - behind-the-meter and in-front-of-the-meter solutions,
 - User-funded utility scale generation to help large customers such as data centers meet their power needs"

Studies on the impact of large energy consumers

- North Dakota (2025) passed a law requiring the Legislative Management to study the impact of large energy consumers, including data centers, on the electricity grid.
 - It will evaluate grid reliability and infrastructure requirements, regulatory consistency throughout the state, economic impacts, costs and impacts of regulated and exempt utilities and regulatory and exemption criteria (among other topics).
- <u>Virginia</u> published the Joint Legislative Audit and Review Commission study reviewing the impacts of the data center industry in the state (2024).
 - Policy <u>recommendations</u> included to consider:
 - Requiring utilities to establish a demand response program and require data centers to participate in the program
 - If utilities have the authority to delay service (but not deny) to customers if load cannot be supported by the transmission or generation capacity.
 - The report included a <u>review of rate impacts of data centers</u> in Virginia by E3 (see next slide).

Virginia rate impacts study

The Virginia Joint
Legislative and Audit and
Review Committee
commissioned a study
examining "electricity
system infrastructure and
associated investments
costs, under a wide range

of potential data center-

scenarios" to "determine if

structures lead to equitable

between data centers and

driven load growth

current rate and fee

distribution of costs

other customers."

Approach to Assessing Rate Impacts

Utility tariffs and cost-of-service studies informed how cost shifting may occur with escalating forecasts of costs and load

- 1. Relevant tariffs for each utility were reviewed to determine current methods of revenue collection
- 2. Cost-of-service studies were examined to determine basis of volumetric and fixed costs
- 3. Compare volumetric revenue and cost components against each other and across rate classes
- 4. Calculate total cost and revenue by rate class using load forecast data
 - Determine where total cost/revenue values do not align within classes
- 5. Compare and highlight specific impacts for Residential customers served by Dominion Virginia under various cost recovery scenarios
 - Extension of existing cost allocations
 - · Updated cost allocations using current methodology to adapt to anticipated load growth

Revenues	
Values	Description
\$/kW	Demand charges (if applicable)
\$ / kWh	Delivery + supply + other volumetric adders
Fixed charges	Customer or minimum monthly charges
Data Sources	Utility Tariffs



Costs	
Values	Description
\$/kW	Capacity-driven investment / Coincident demand
\$/kWh	Consumption-driven costs (e.g., generation)
Fixed costs	Utility billing, overhead, etc.
Data Sources	Project forecasts, cost of service studies, etc.

Leveraging state resources and supporting economic development (1)

- <u>Colorado law (2025)</u> allows transmission developers to co-locate within a state highway right-of way, and requires the state Department of Transportation to provide transmission developers "the best available information" on potential future state highway development plans that could impact (i.e., be suitable for) the placement of transmission lines in the state highway right-of-way.
- <u>New Mexico (2025)</u> authorizes the commission to approve utility applications for special rates to attract new customers and promote economic development. The law requires that the special rates or tariffs must be designed to recover at least the incremental cost of providing services to the customer.
- <u>West Virginia (2025)</u> built on its Certified Microgrid Development program to attract data centers to the state, and requires the Department of Commerce to assist projects in developing or operating a certified microgrid.
 - Local governments can not slow the creation of a certified microgrid

Leveraging state resources and supporting economic development (2)

- Pennsylvania offers <u>fast track permitting data centers</u> program and <u>plans for</u> <u>legislation</u> to accelerate Department of Environmental Protection permitting for data centers
- Kansas created sales tax exemption on goods to build and equip data centers
- <u>Kentucky</u> and <u>Arkansas</u> expanded pre-existing data center tax exemptions
- Michigan created sales tax exemption with consumer protections
- <u>Utah</u> (see next slide) and <u>Oklahoma</u> made it easier for data center developers to procure their own power supply without going through grid
- <u>South Carolina</u> eased regulations to build power plants to meet demand for data centers

Utah

- <u>Establishes</u> alternative processes for providing electric service to customers with large electrical loads
- Creates procedures for submitting, evaluating, and contracting for large-scale electrical service requests between utility and large load customer
- Requires the commission to conduct proceedings to establish transmission cost allocation and feasibility of a large load flexible tariff
- Requires large load customers to pay incremental costs necessary to receive electric service including generation resources, distribution system upgrades, transmission system improvements and service and other infrastructure costs
- Requires the commission to conduct periodic reviews of the program and report to the Legislature.

Pending legislation

- Oregon HB3546 requires utilities to enter into 10 year (minimum) contracts with large load retail customers and obligate them to pay a minimum percentage of their projected usage (passed into law in June).
 Georgia is debating similar bill.
- <u>California</u> SB57 requires the PUC to create a special tariff for customers connecting to the transmission system (50kV or higher) that requires eligible customers to <u>site distributed energy resources storage</u> <u>systems and back-up power systems</u>, and can establish minimum requirements for zero carbon procurement.
- <u>Texas</u> SB6 requires the PUC to establish standards for large load electricity users in ERCOT on interconnection and cost recovery (among other topics). Examples include:
 - Disclose information about back-up generation that can provide 50% of customer load, and may be required to use back-up generation or curtail load during energy emergencies
 - Requires large load interconnections that occur after 2025 allow load to be curtailed during firm load shed
 - Requires creation of long-lead demand response program, compensating large loads that reduce demand with 24 hours' notice during grid emergencies.
 - Evaluate whether the current methodology, including the Four Coincident Peaks (4CP)
 methodology, for allocating transmission costs by transmission and distribution utilities in the
 ERCOT power region results in a just and reasonable cost allocation.

Resources for more information

- LBNL, Electricity Rate Design for Large Load: Evolving Practices and Opportunities
- Energy Systems Integration Group (ESIG) Large Load Task Force
- National Electric Reliability Council Large Load Task Force
- RMI, Get a Load of This
- Grid Strategies, <u>Strategic Industries Surging: Driving Up US Power Demand</u>
- Harvard, <u>Extracting Profits from the Public: How Utility Ratepayers Are Paying for Big Tech's</u> Power
- EFG, Review of Large Load Tariffs To Identify Safeguards and Protections for Existing Ratepayers
- GridLab, Practical Considerations for Large Load Interconnections

Thank you

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