

# National Conference of State Legislatures

August 14, 2023



# Dominion Energy At-a-Glance

Employees: 17,200

States with Operations: 16

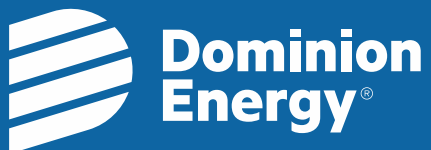
Customers: 7 million (7 states)

Market Cap: ~\$45 billion

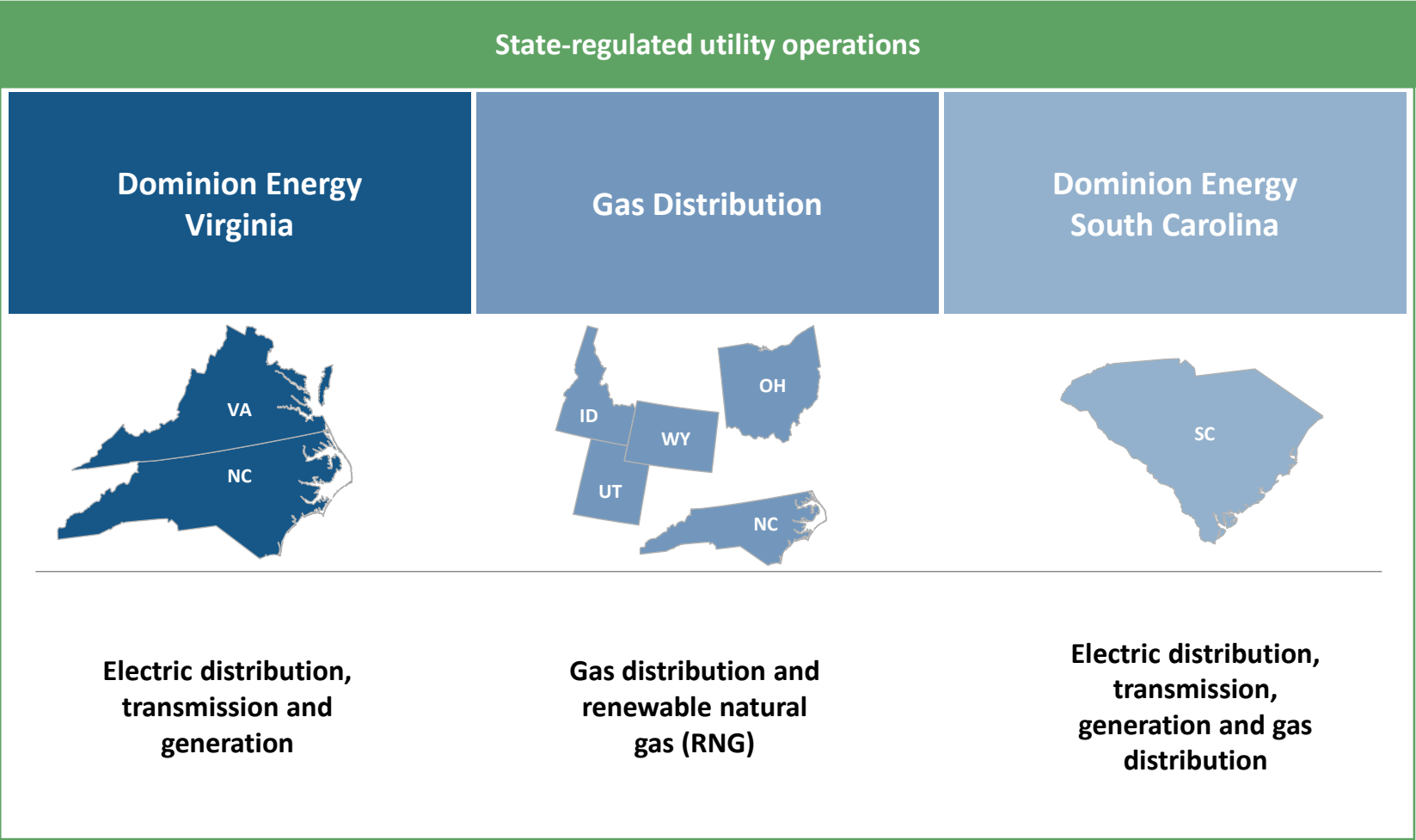
Generating Capacity: ~31 GW

Miles of Electric Lines: 89,100

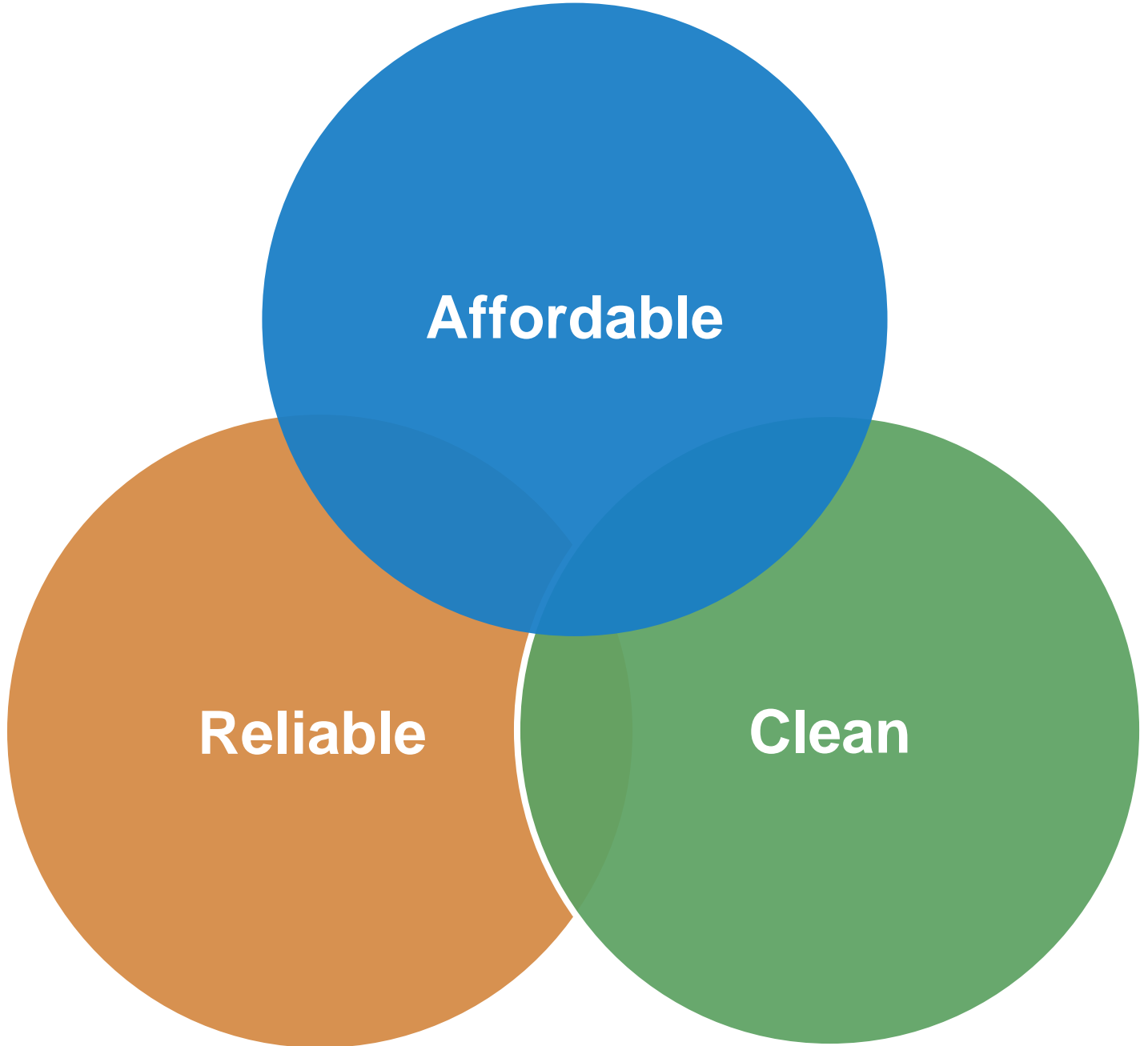
Miles of Gas Pipeline: 97,500



# Operating Segments



Long-term contracted zero-carbon generation



# Dynamic #1

## Generating Fleet Transition

### Solar Energy Portfolio

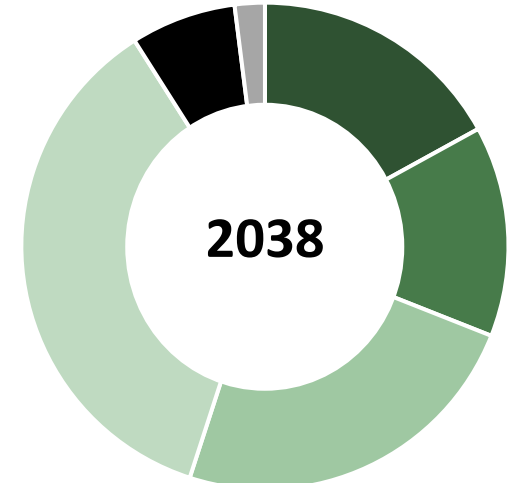
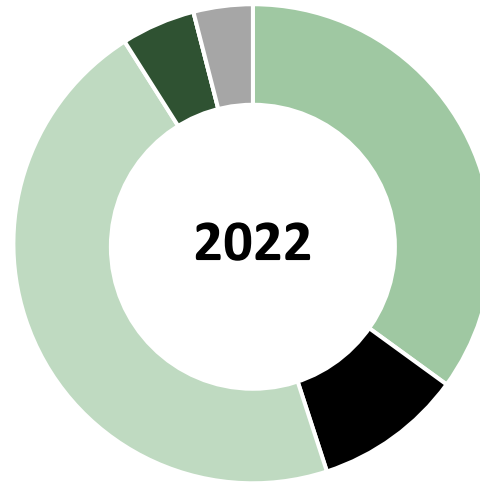
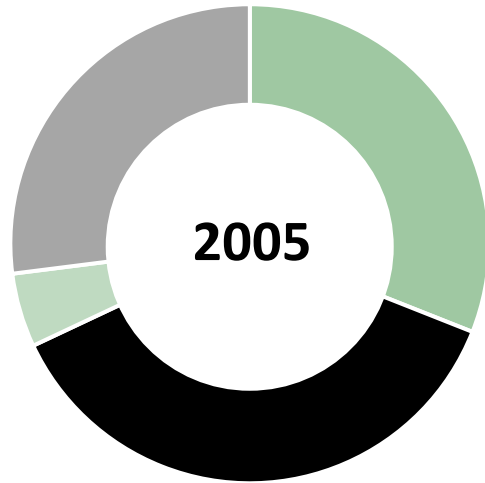
- Second largest solar portfolio in U.S.
- 2.2 gigawatts in service; 7+ gigawatts in development
- 550,000 homes at peak output
- Virginia Clean Economy Act supports up to 16,100 megawatts by the end of 2035

### Coastal Virginia Offshore Wind Project

- Largest offshore wind project in U.S.
- 176 wind turbines; 3 offshore substations
- 660,000 homes at peak output
- 27 miles off the shore of Virginia Beach in 112,800-acre lease area
- On schedule for construction completion by end of 2026

# Dynamic #1

## Generating Fleet Transition

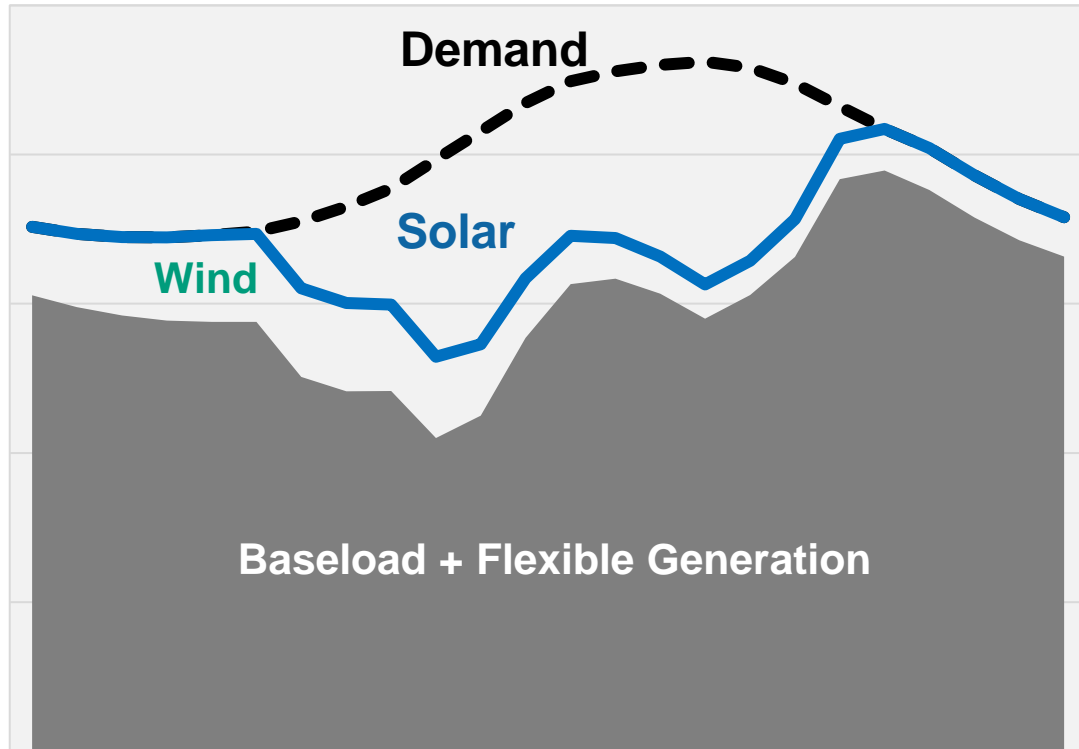


Solar	0%	5%	17%
Wind	0%	0%	14%
Nuclear	31%	35%	24%
Natural Gas	5%	46%	36%
Coal	37%	10%	7%
Other	27%	4%	2%

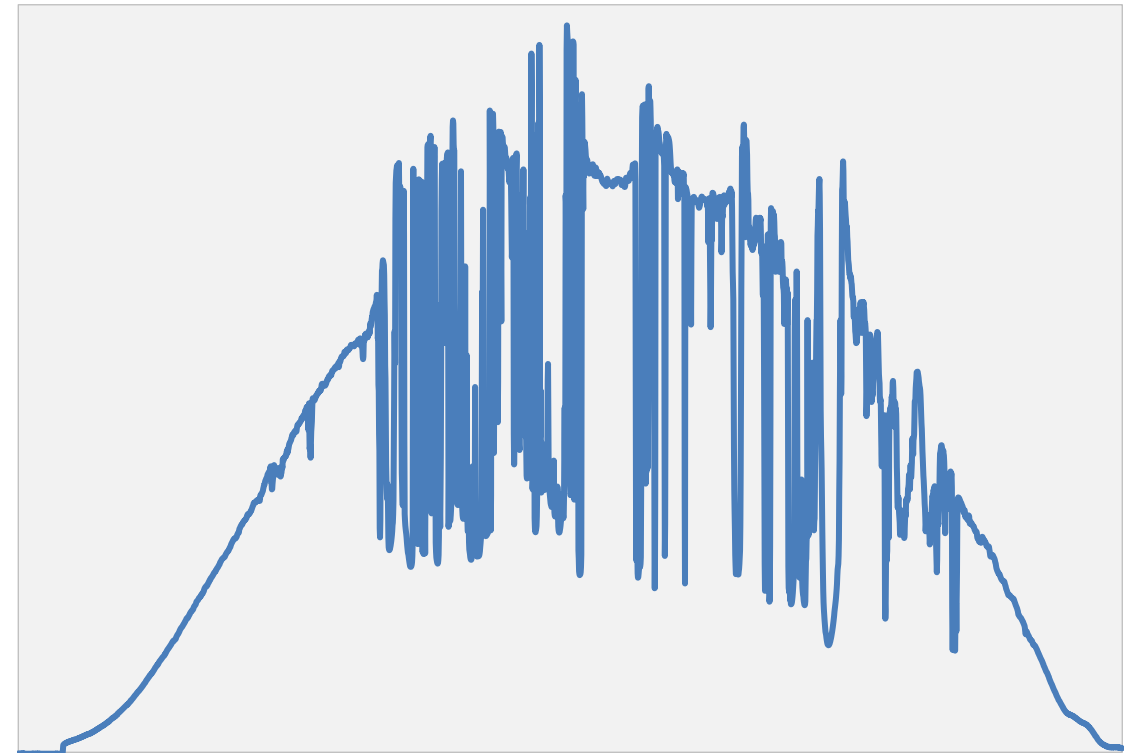
# Dynamic #2

## Balancing Generation and Demand

Diverse and dynamic fleet needed to meet demand...



...while adjusting for real-time volatility



# Flexible/Dispatchable Resources

## Today and Tomorrow

Today

Natural Gas

Pumped Storage



By 2035

Small Modular Reactors

Hydrogen

Battery Storage



2035+

Carbon Capture Sequestration

Advanced Nuclear

Long Duration Storage



# Dynamic #3

## Increasing Dependence on Electricity

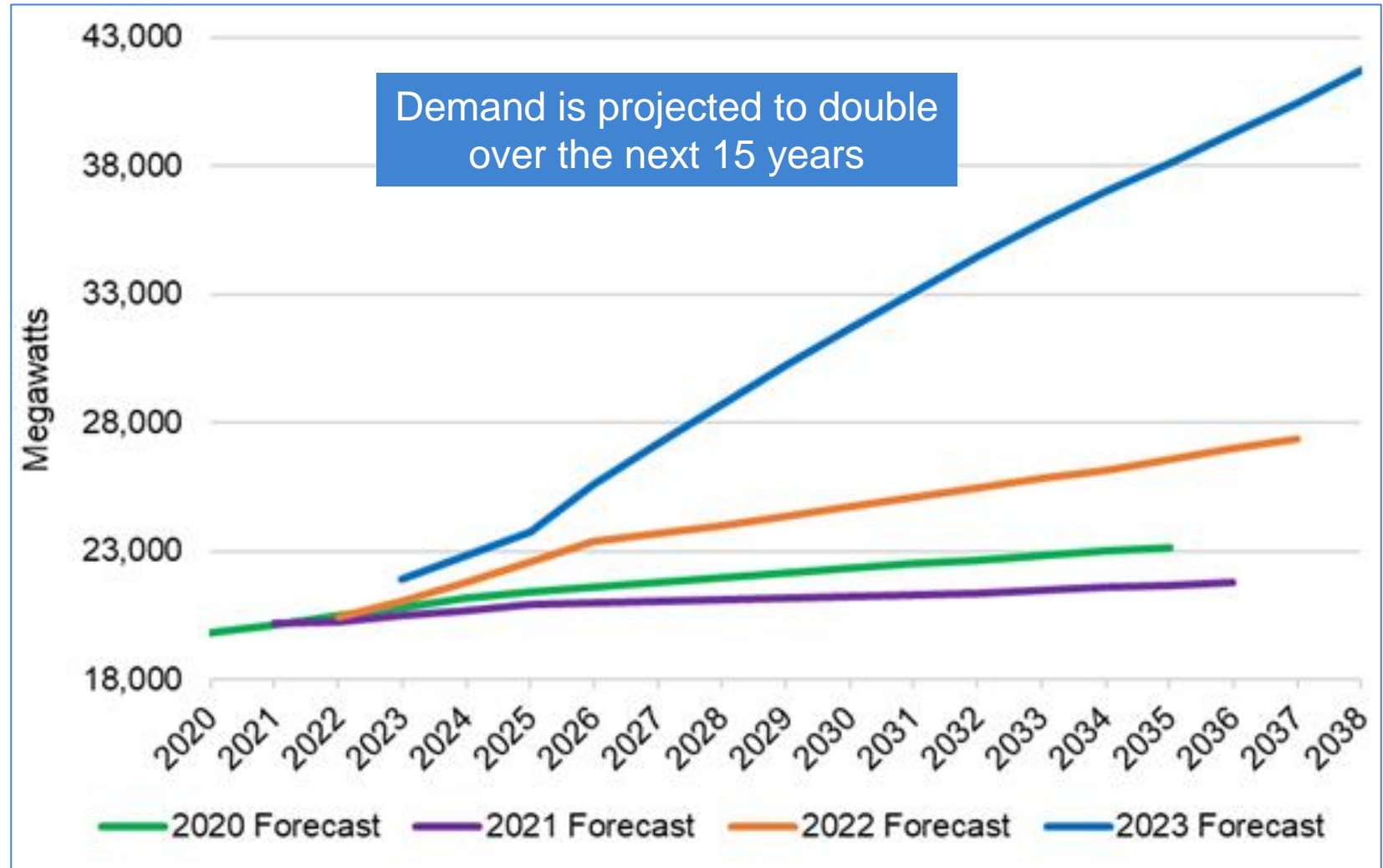
### Drivers for Change



Electricification



Datafication



# Dynamic #4: Preparing the Grid

## Electric Transmission

### Scalability

*Delivering new generation to meet unprecedented new load*

- ❖ Deploying higher-capacity, more advanced infrastructure
- ❖ Expanding system to integrate new generation types across many locations

### Adaptability

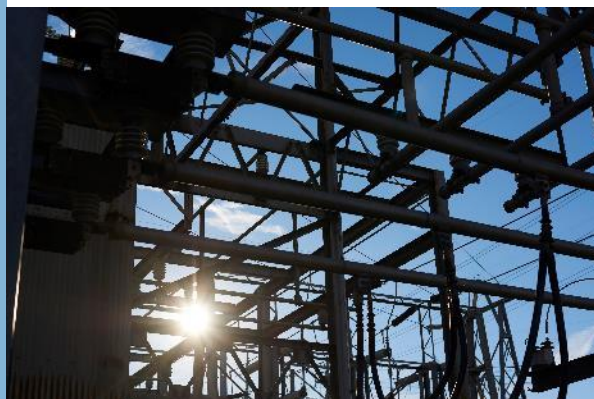
*Addressing integration and volatility challenges*

- ❖ Utilizing new construction methods
- ❖ Enhanced analytics to balance baseload and intermittent generation

### Resiliency

*Ensuring availability of the grid*

- ❖ Physical and cyber security defense
- ❖ Partnerships with first responders, peer utilities and agencies



# Dynamic #4: Preparing the Grid

## Electric Distribution

### Resiliency

*Ensuring availability of the grid*

- ❖ Enabling self-healing grid
- ❖ Physically strengthening infrastructure

### Adaptability

*Transitioning to two-way flow of electricity*

- ❖ Real-time data about grid operations
- ❖ Specialized systems for managing renewable and EV power flow

### Customer-Focused

*Supporting affordability and control*

- ❖ Enhanced usage data and analysis
- ❖ Innovative pricing to support bill savings and EV adoption

