



# ***PATH FORWARD ON THE GENERATION PLAN***

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*Informational Update*

# AGENDA



- **APPROVED GENERATION PLAN**
- **CHANGES TO EXISTING GENERATION RESOURCES**
- **NEW GENERATION ADDITIONS**

# INTRODUCTION



- On January 23, 2023, the CPS Energy Board of Trustees voted to approve a plan on how to power the San Antonio community through 2030.
- This approved generation plan:
  - ✓ Consists of gas, wind, solar, and storage resource additions
  - ✓ Balances reliability with affordability
  - ✓ Retains experienced workforce to support transition
  - ✓ Retains fuel diversity to manage cost risk
  - ✓ Supports expansion of renewables while providing greater protection from extreme weather risk

**The plan provides reliable, affordable, and environmentally sustainable energy resources through 2030 and retains flexibility as energy policy and emerging technologies evolve.**

# CHANGES TO EXISTING GENERATION RESOURCES

## RETIREMENTS & CONVERSION



Unit	Type	Capacity (MW)	Action	Completion Date
<b>Braunig 1, 2, 3</b>	Gas	859	Retire	March 2025
<b>Sommers 1</b>	Gas	420	Retire	March 2027
<b>Sommers 2</b>	Gas	410	Retire	March 2029
<b>Spruce 1</b>	Coal	560	Retire	December 2028
<b>Spruce 2</b>	Coal	785	Convert to Gas	December 2027
Total: 3,034				

***ERCOT has been notified of this retirement schedule***

**Coal & Aging Gas units will be phased out by 2029.**

# NEW GENERATION ADDITIONS

2023-2030



Approved Generation Plan Additions*										
		MW	2023	2024	2025	2026	2027	2028	2029	2030
GAS	Spruce 2 Gas Conversion	785								
	Combined Cycle Unit	880								
	Peaking Phase 1	404								
	Peaking Phase 2	404								
WIND	Wind	500								
SOLAR	Phase 1	480								
	Phase 2	500								
	Phase 3	200								
STORAGE	Phase 1	50								
	Phase 2	170								
	Phase 3	830								
Legend:			Implementation							
			Generation Online							

\*Sequence & timing are optimized to meet system needs. The actual timing of capacity additions may vary.

**Key projects kicking off this year to meet generation need dates.**

# PATHWAY TO 2050

## OUR TRANSITION TO NET-ZERO CARBON EMISSIONS



2010



2022

2030

2040

2050

### Taking Initial Steps

- Early Closure of Deely Coal Plants,
- Wind and Solar Expansion,
- Advanced Metering,
- Conservation/STEP, and
- Endorsed CAAP

### Accelerating Action

- FlexPower Bundle,
- Conservation/STEP,
- EV Charging Programs, and
- Gen Planning Update with RAC

### Utilizing New Solutions

- R&D Partnerships: EPICenter, EPRI, and Others,
- Geothermal Energy,
- Hydrogen Storage & Utilization,
- Large-Scale/Long-Duration Storage,
- New Nuclear Technologies,
- Integrated Energy Management Systems,
- Customer Partnerships,
- Conservation/STEP,
- Data Analytics & Utilization, and
- Other Technologies & Partnerships

### Our Transition to Net-Zero Carbon Emissions

*Pathway to Net-Zero Carbon by 2050*

**A blend of proven technologies, energy efficiency, and timely commercialization of new generation and storage technologies is our path to net-zero carbon by 2050.**

***Questions?***