Austin Energy Transmission

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Agenda

Austin Energy Transmission

Overview

Planning Process

Challenges to the Process

Capital Improvement Program Five-Year Plan

Resource Generation Plan

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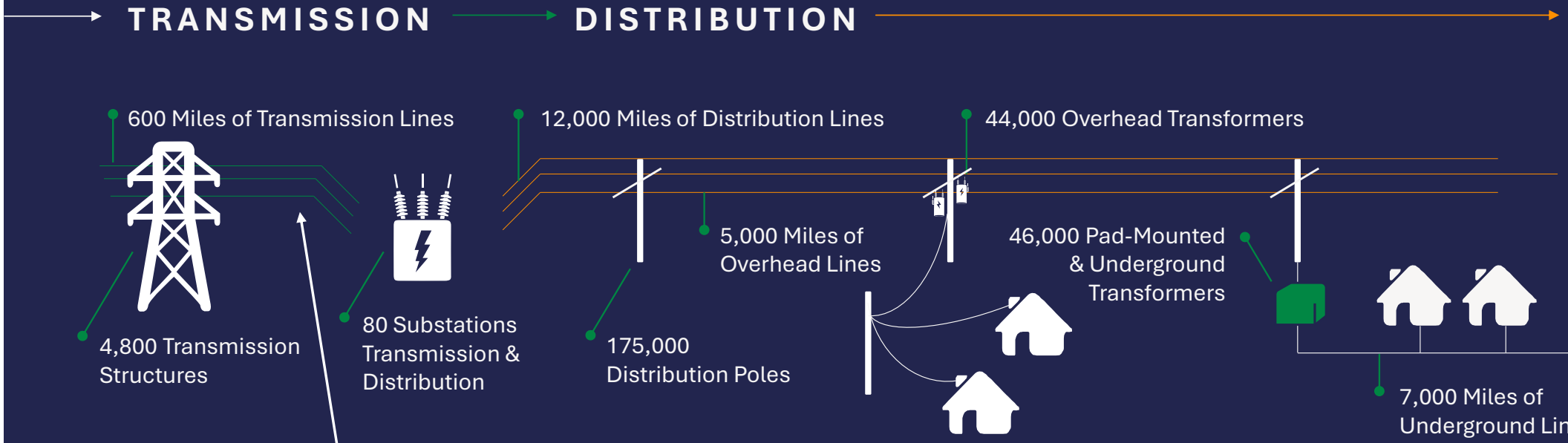
How We Provide Power To Our Customers



Transmission Line Summary	
69kV	26 miles
138kV	328 miles
345kV	276 miles
Total	630 miles

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Why Doesn't Austin Energy Talk More Publicly About Transmission Projects?

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NERC

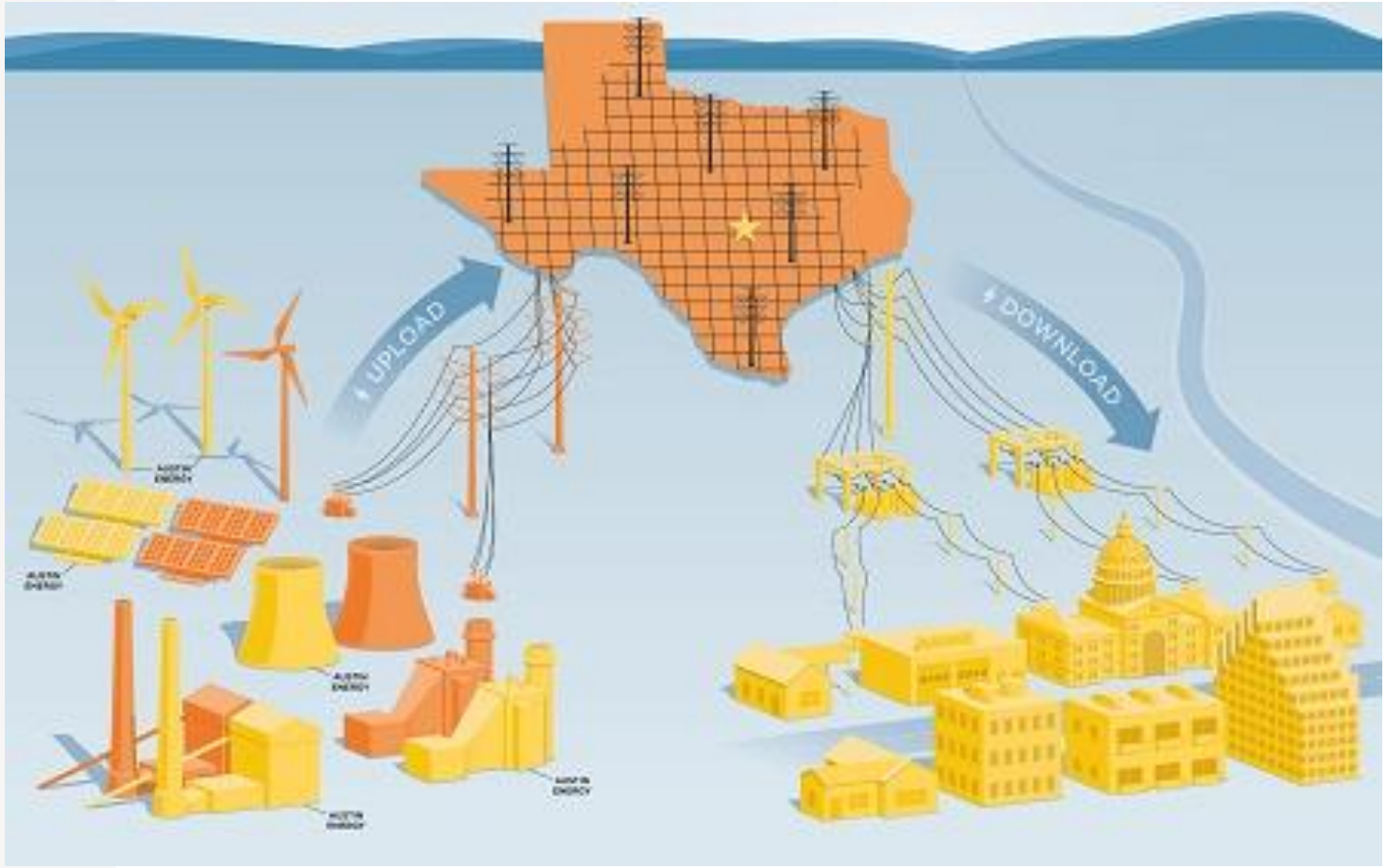
North American Electric Reliability Corporation

Critical Protected Infrastructure

Maintain Fair and Open Market

ERCOT's Statewide Electric Grid

Transmission lines are the superhighways for electric power



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Transmission Planning: Studies & Projects

Reliability

- \+ Transmission line
- \+ Autotransformer
- \+ Substation
- \+ Dynamic/static reactive support
- ↗ Protection system and redundancy

Resilience

- ↗ Protection system communication
- ↗ Poles / towers
- ↗ Insulation
- ↗ Grounding systems
- ↗ Conductors
- ◯ Long-lead-time equipment

Economics

- \+ Import capacity
- \+ Transmission lines / autotransformers
- ↗ Transmission line voltage

Interconnections

- ↔ Generation
- ↔ Other Transmission Service Provider

Other

- \+ Substation to improve voltage
- \+ Substation to accommodate new load

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Transmission Planning Process in ERCOT

- Complex, four-tiered review system
  - Tier 4 – least complex and shortest
  - Tier 1 – most complex and longest
- Austin Energy is not in full control of project timelines

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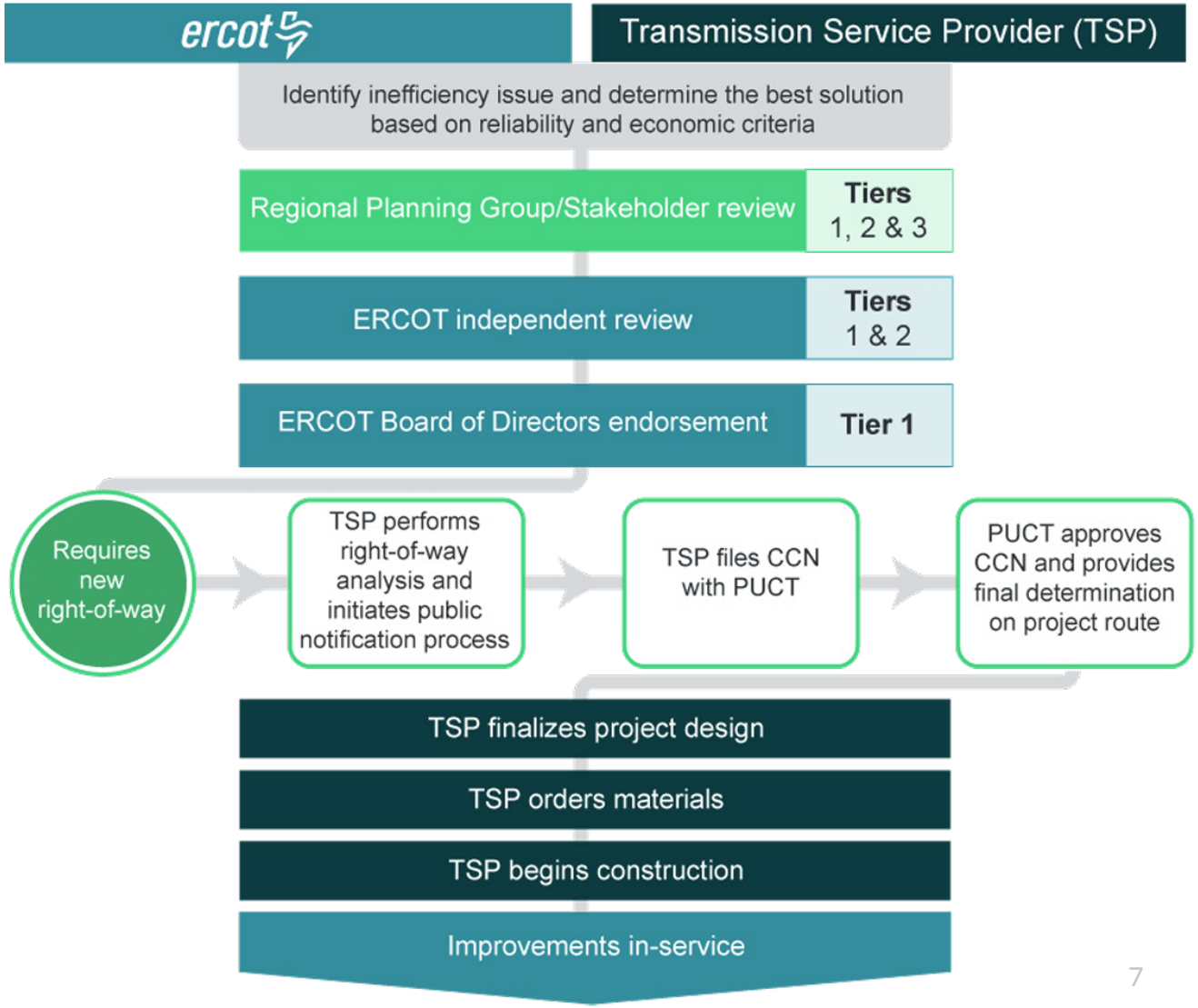

ERCOT's Transmission Project Timeline

Best-Case Scenario

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Challenges to the Process

Process Time

Time to plan, permit, design, procure and construct

Regulatory Coordination

State Law requires a Certificate of Convenience and Necessity (CCN) for line routing approval outside of Austin.

Supply Chain

Long lead times and rising costs of transmission supplies

Scheduling Construction

Maintenance and improvement outages being denied due to insufficient local generation

Challenges can add additional time to ERCOT's stated timeline

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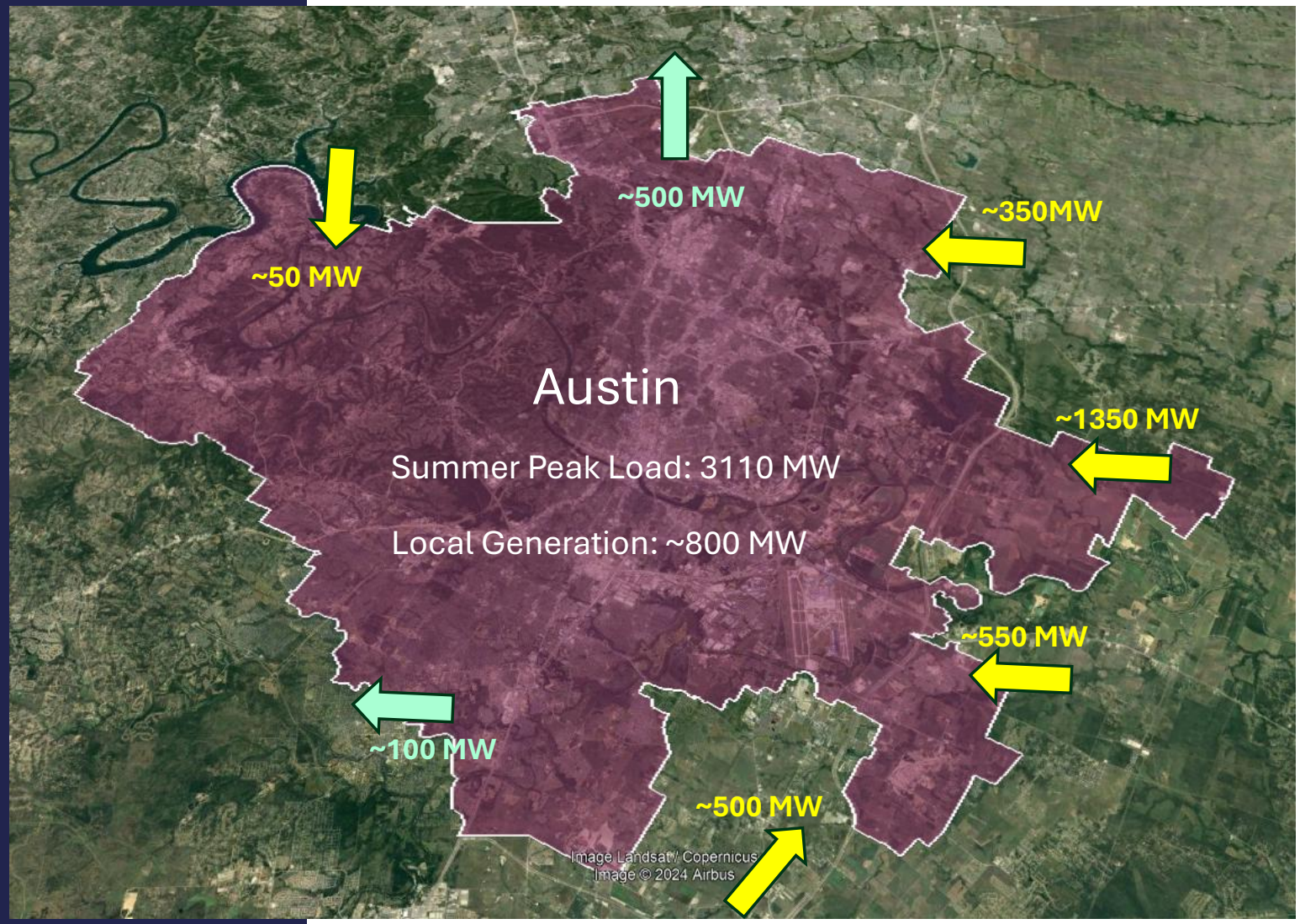

Import, Export, and Constraints

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$500M in Transmission Upgrades

Approved in Five-Year Capital Improvement Plan

Reconductor

Reconductor transmission lines to increase capacity on congested corridors

New Import Paths

New transmission lines creating new import paths into Austin

Upgrade Line Capacity

Converting lines from 69kV to 138kV and 138kV to 345kV to increase capacity

New Switchyards

New switchyards and autotransformers to bring more power into Austin

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$100M per year in transmission projects approved in the current, five-year CIP Plan, FY2026 – FY2030

60% will directly improve Austin Energy's import capacity

Key Takeaways

1

We are Committed to Transmission Upgrades

Austin Energy is committed to and actively working to increase our transmission import capacity

2

Transmission Takes Time

Building transmission takes a long time – even in the best-case scenario

3

We are not in Full Control

Austin Energy is part of ERCOT and not fully in control of transmission projects selected

4

Transmission Congestion in ERCOT Affects Us Locally

Transmission congestion elsewhere in ERCOT outside of Austin Energy's control can affect our service area

5

There is no Silver Bullet

A singular solution is not good enough, there must be multiple paths to secure our energy future

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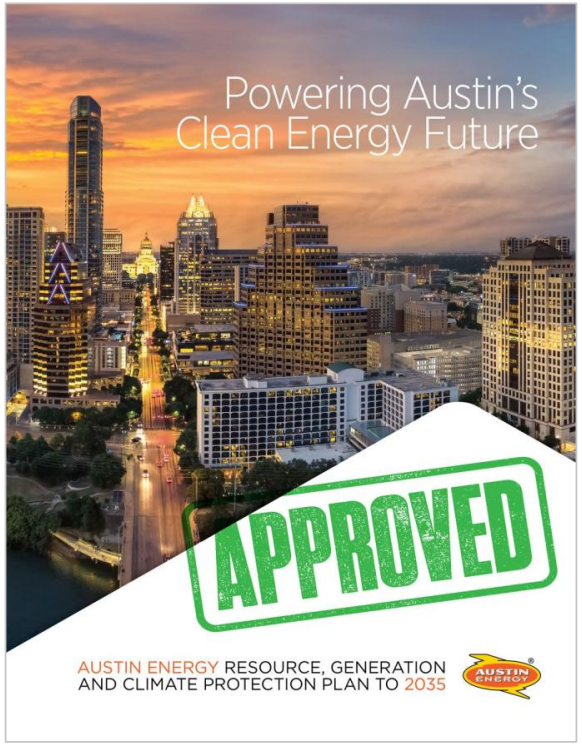
The Resource Generation Plan to 2035 provides an all-in approach to our energy future



Leverage Local Solutions

- Increase Transmission Import Capacity
- Incorporate Utility-Scale Batteries
- Increase Local Generation

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Customer Driven.

Community Focused.