



# Long-Term Regional Transmission Planning (LTRTP) Update

Asanga Perera

Sr. Manager, Scenario Analysis & Specials Studies

Independent States Agencies Committee

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**Goal:** Analyze Long-Term Scenarios to **(1)** identify transmission needs driven by the changing *resource mix* and load growth and **(2)** implement reliable, efficient and proactive transmission solutions

**Long-Term Planning Action:**  
Identify and implement long-lead transmission solutions

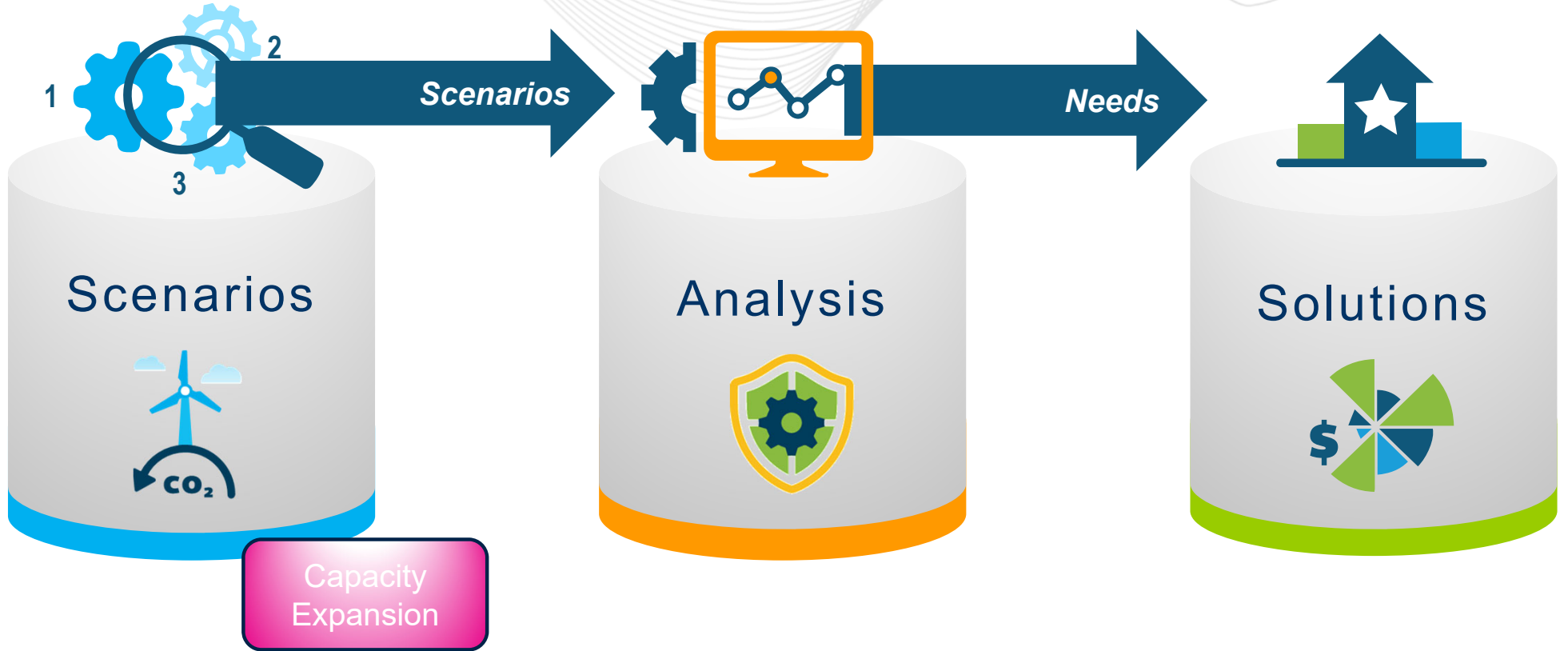
**Near-Term Planning Action:**  
Better inform near-term planning processes through robust transmission solutions

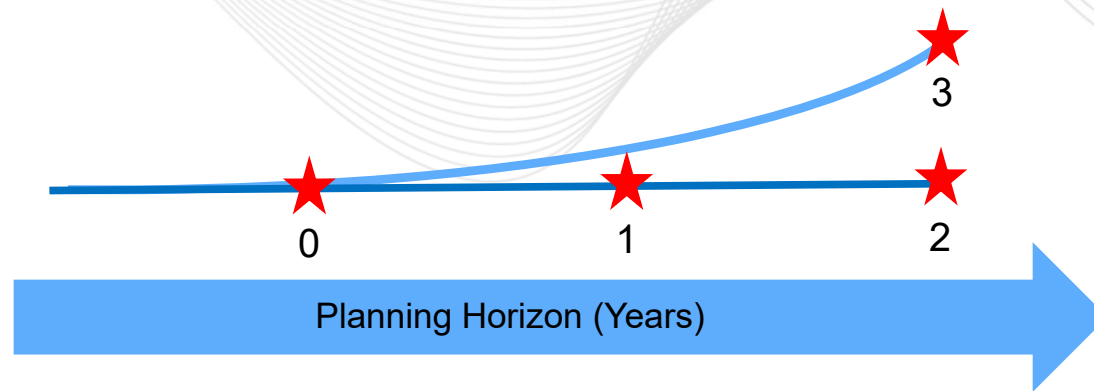
**(1) Scenario based Reliability Planning**

**(2) Resource mix assumption updates**

**(3) Projected loads (electrification / data center)**

**(4) Capacity expansion process to develop resource mix for scenarios**





0: *Near-Term* (5 Year RTEP)

1: *Intermediate-Term* (8 Year; for Near-Term solutions and timing of Long-Term needs)

2: *Long-Term, Primary* (15 Year; identify Long-Term needs)

3: *Long-Term, Accelerated* (Assumes Year 20 conditions occur in Year 15)

## ***Reliability Assumptions***

- Reserve Margin
- Effective Load Carrying Capability

## ***Load Assumptions***

- Load
- Data Center
- Electrification

## ***Generation Assumptions***

- Fuel Prices
- Capital Costs
- Operational Characteristics
- Federal and State Policies
- Siting new resources

PJM proposes a three-year cycle  
Year 1 in each cycle dedicated to Assumptions and Models



- PJM expects Planning Manual revisions to incorporate LTRTP updates