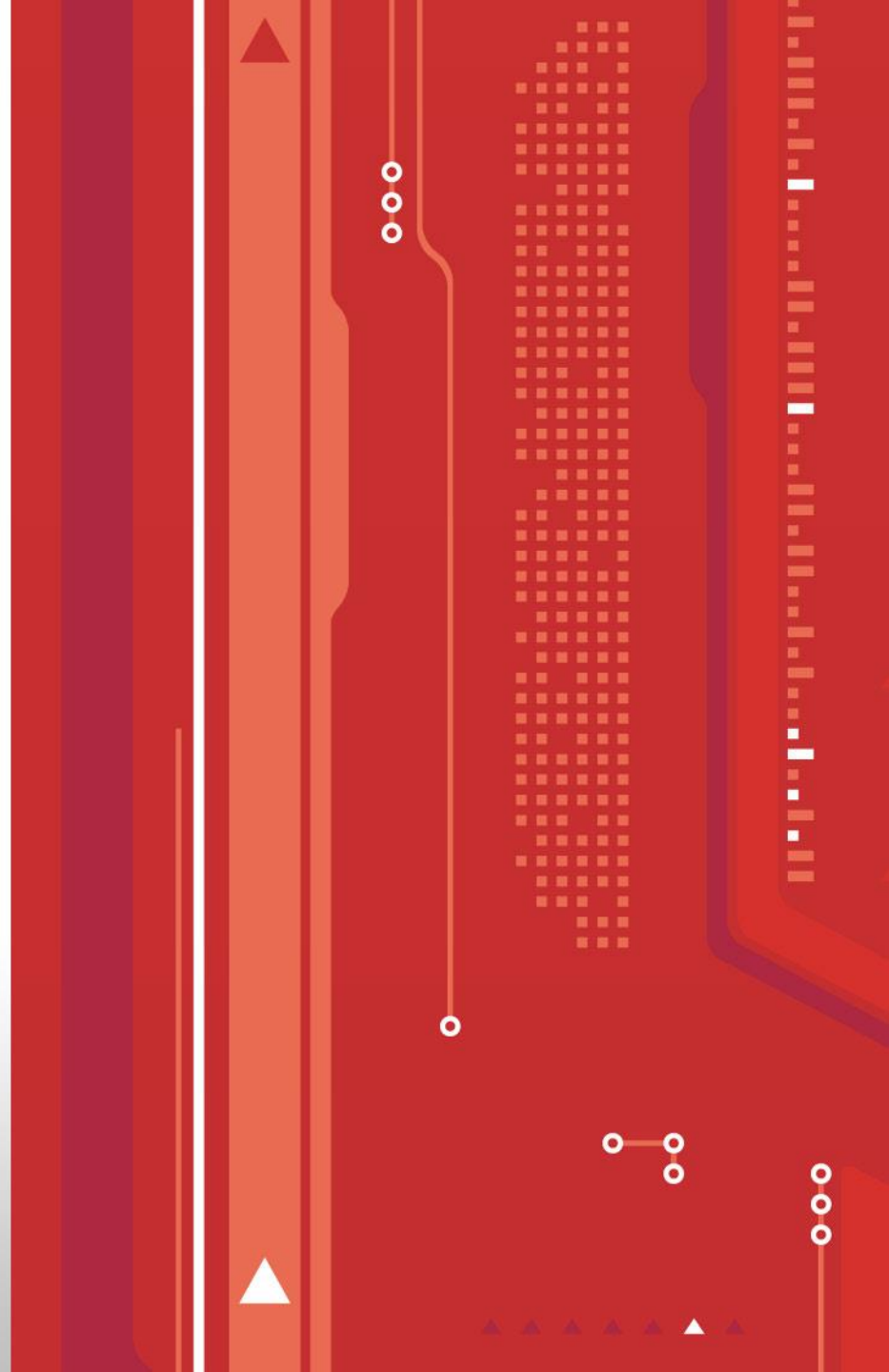


Transmission Planning Improvement Task Force (TPITF): Economics in the Near Term

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Models for 10 Year Planning Horizon

- **Economic Models**
 - Years 2, 5, and 10
- **Reliability Models**
 - Years 2, 5, and 10
 - Derived from Economic Models
- **Generator Interconnection, Transmission Service, and TPL**
 - Base model consistent with reliability models described above

Economic and Reliability Models

- **Year 2**
 - Incremental Model
 - Incremental Needs Assessment (R,P,E)
 - Gen, Load, Topology and fuel assumptions should be more aligned with real time operations
- **Year 5**
 - Existing Model
 - Incremental Needs Assessment (R,P,E)
- **Year 10**
 - Existing Model
 - Existing Needs Assessment (R,P,E)

Planning Assessments

- Evaluate R,P, E needs for years 2, 5, and 10
- Needs consistent across horizon
 - Focus on developing cost effective long term solutions
 - May include more mitigations for needs in short term
- Needs seen early, but not later in horizon
 - Focus more on identifying why needs go away
 - Focus on developing mitigations or least cost solutions until needs go away in long term
- Needs seen later, but not early in horizon
 - Focus on developing cost effective long term solutions

Notable Model Assumptions

- Generation unit commitment and dispatch determined in economic model rather than by LSE submittal
- Generation unit commitment and dispatch may include resources without firm transmission service
- Coincident peak load models used in all planning assessments, including TPL