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# FERC Order 1920 Long-Term Regional Transmission Planning

**Stakeholder Engagement Meeting**
**06 /20 / 2025**

# Agenda – 06/20/2025

- Welcome and Meeting Management
- Benefits used for the selection process
- Benefits used for cost allocation
- Consideration of interconnection-related needs
- Relevant State Entity engagement and feedback
- Questions



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# Meeting Management

- To ensure everyone has an opportunity to participate please either:
  - Raise hand to ask a question or comment
  - Use chat to ask questions or comment
- Questions and comments will be limited to 2 minutes per person

# Evaluation Process – Benefits for Selection

Long-Term Regional Transmission Facilities must be evaluated against seven benefits:

| | Benefit | Measure |
|---|---|---|
| 1 | Avoided or deferred reliability transmission facilities and aging infrastructure replacement; | Comparison of investment cost of avoided or deferred transmission facilities/infrastructure to the investment cost of the Long-Term Regional Transmission Facility(ies) that could avoid or defer these investments. |
| 2 | A benefit that can be characterized and measured as either (2a) reduced loss of load probability or (2b) reduced planning reserve margin | Simulations will:<br>2a: Compare loss of load probability with and without a Long-Term Regional Transmission Facility(ies).<br>2b: Compare generation dispatch to the planning reserve margin, and the amount of hours the planning reserve margin cannot be maintained, with and without a Long-Term Regional Transmission Facility(ies). |
| 3 | Production cost savings | Simulations will compare production costs with and without a Long-Term Regional Transmission Facility(ies). |
| 4 | Reduced transmission energy losses | Simulations will compare energy losses and the amount of total energy with and without a Long-Term Regional Transmission Facility(ies). |
| 5 | Reduced congestion due to transmission outages; | Simulations will compare congestion costs during system normal and during outage conditions, with and without a Long-Term Regional Transmission Facility(ies). |
| 6 | Mitigation of extreme weather events and unexpected system conditions | Simulations will compare production costs, loss of load, and interregional transfer capability during extreme weather events resulting in outages with and without a Long-Term Regional Transmission Facility(ies). |
| 7 | Capacity cost benefits from reduced peak energy losses | Comparison of the investment cost for generation capacity with and without a Long-Term Regional Transmission Facility(ies). |



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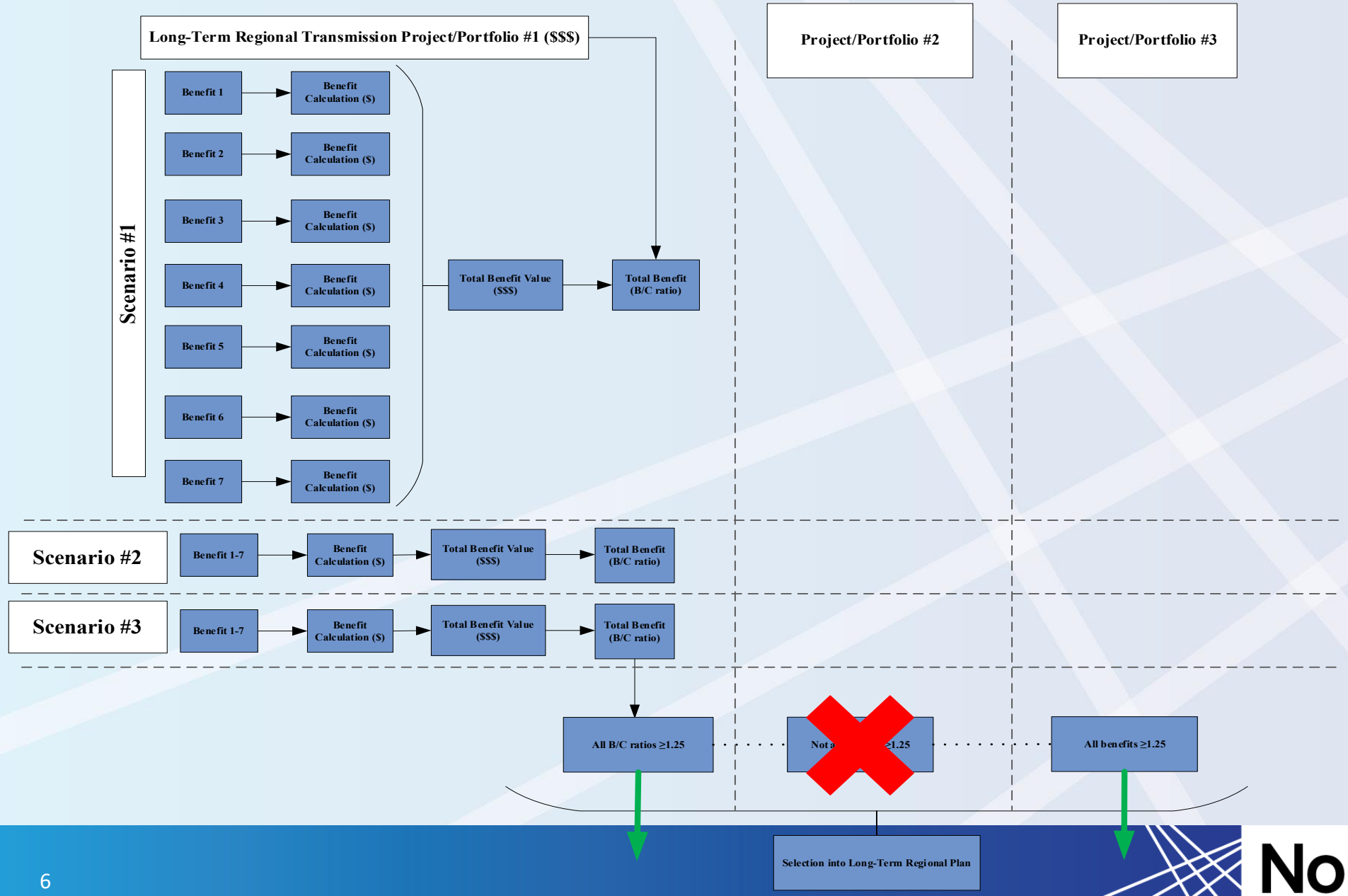
# Selection Criteria

NorthernGrid is proposing a "**least regrets**" approach to the selection of Long-Term Regional Transmission Facilities. For a Long-Term Regional Transmission Facility to be selected into the Long-Term Regional Transmission Plan, the Long-Term Regional Transmission Facility must:

- Have an overall Benefit-to-Cost Ratio of no less than 1.25 for each scenario under consideration within the Long-Term Regional Transmission Planning cycle*
- Have a Project Sponsor

*Sensitivity scenarios will be informational but will not influence the selection of projects into the plan.

# Selection Criteria



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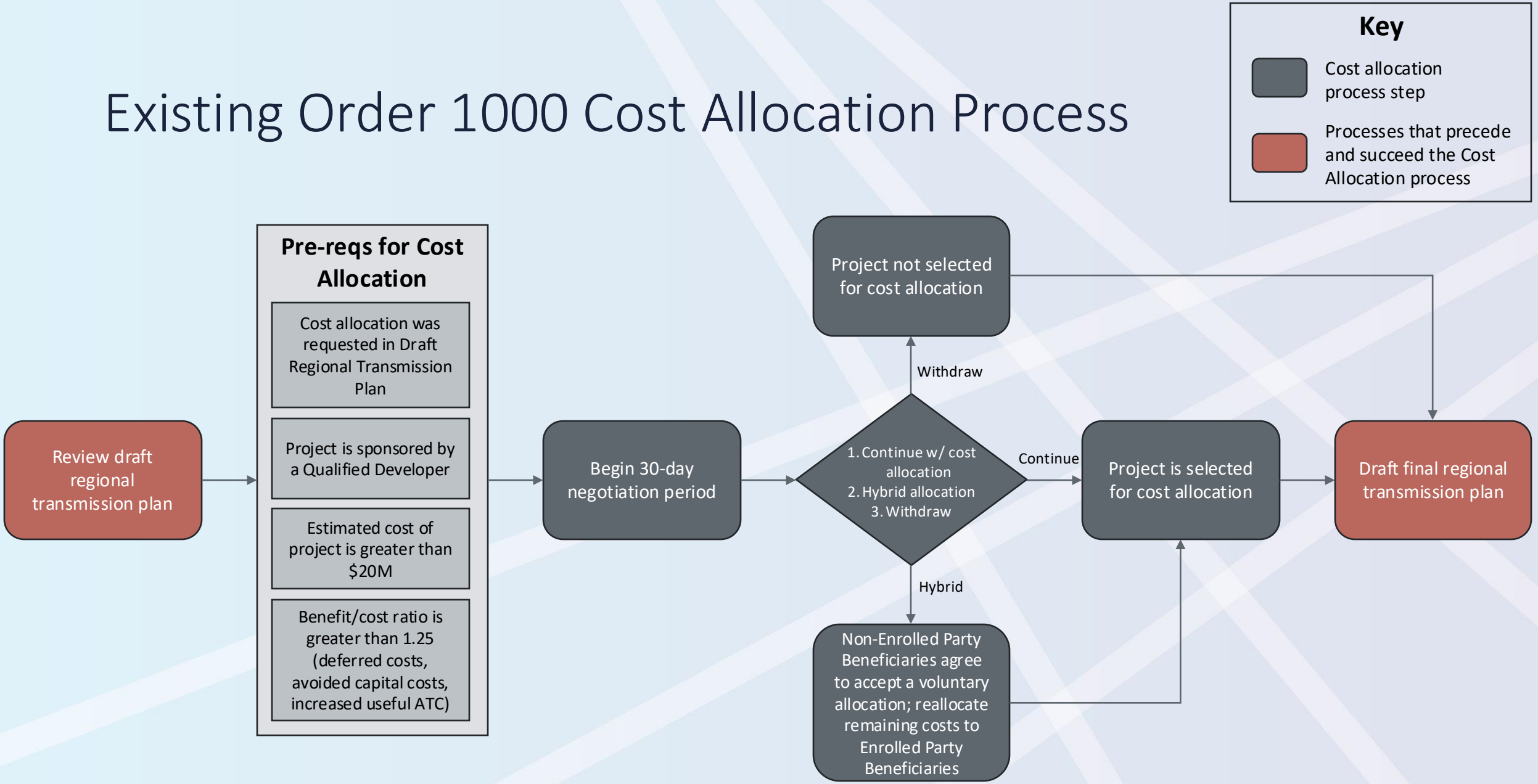
# Benefits for Cost Allocation Purposes

- NorthernGrid proposes to use the same three benefits for Order 1000 for the Order 1920 process:
  - Deferred costs
  - Avoided capital costs
  - Increased useful available transfer capability (ATC)

- Approach ensures costs are known and measurable and that those who receive benefit receive their fair allocation of cost, protecting retail ratepayers

# Existing Order 1000 Cost Allocation Process



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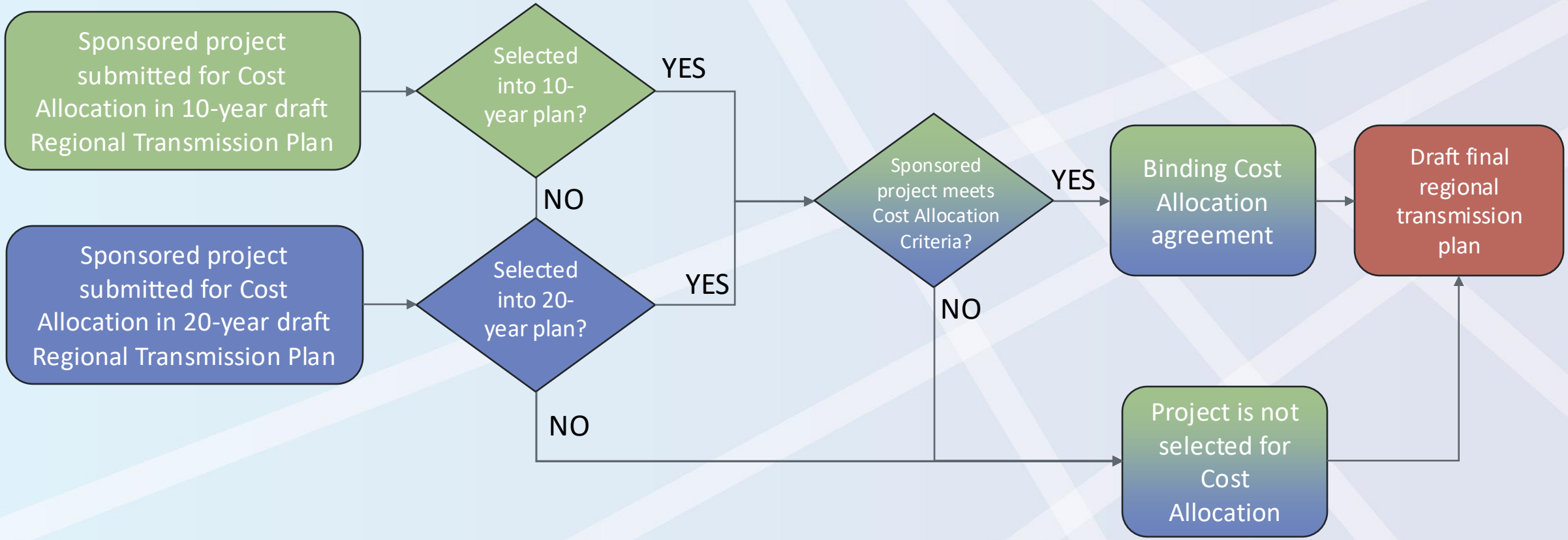
# Proposed 1920 & 1000 Combined Cost Allocation Process




*must be sponsored by a Qualified Developer



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# Qualifying Interconnection Projects

Qualifying Interconnection Projects will be submitted with the local planning data for the Order 1000 process if they meet the following criteria:

1. Identified in at least two queue cycles or individual studies;
2. have a voltage of at least 200kV *and* an estimated cost of at least $30 million;
3. have not been developed and are not currently planned to be developed because interconnection requests have been withdrawn;
4. the Enrolled Party has not identified an interconnection-related Network Upgrade; *and*
5. Seven-year limitation for incorporation into the regional plan

# RSE Engagement and Feedback

- Engagement with Relevant State Entities is through the State Engagement meetings and through the CREPC-TC Order 1920 Ad-Hoc Committee meetings.
  - NorthernGrid is required to consult with, and receive feedback from, RSEs on:
    - Evaluation Process and Selection Criteria
    - Voluntary Funding Opportunities
    - Cost Allocation
- As required in the Order, the NorthernGrid Enrolled Parties set up a single point of contact for Order 1920 engagement. We have provided this as both an email and website form:

  nwpp_northerngrid_staff@westernpowerpool.org
  https://www.northerngrid.net/comments/
- NorthernGrid is an active participant in CREPC-TC Order 1920 Ad-Hoc committee and presented at the March 12, May 14 and May 28 meetings
- We expect RSE feedback on our compliance proposal at the June 25 CREPC-TC Order 1920 Ad-Hoc Committee meeting

# Questions



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