



Transmission Services

Economic Study Request

Date of Request: 10/31/2022

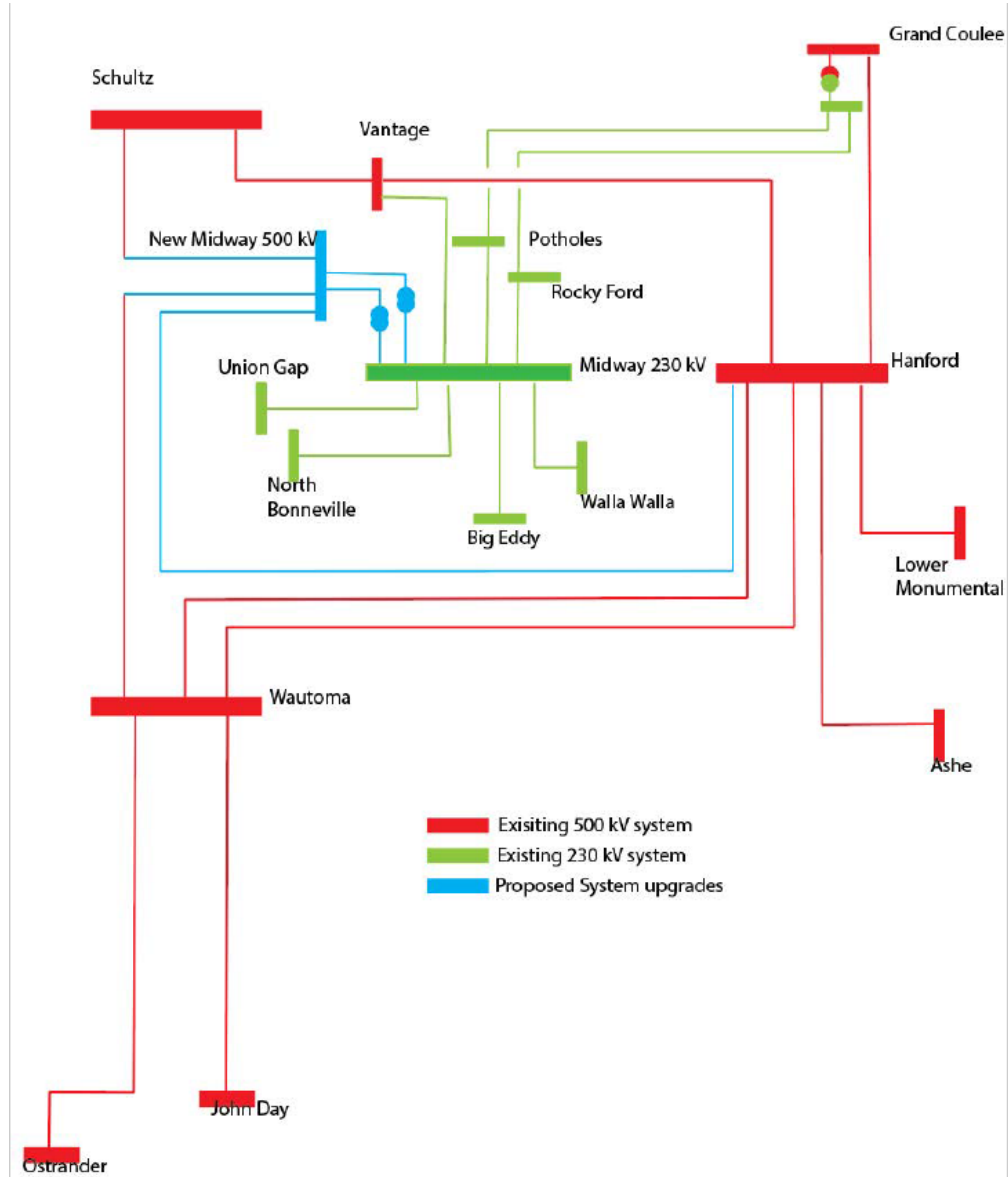
Study Request Details:

1. **Study Title:** Exports out of Midway
2. **Projected In-Service Date:** 12/31/2032
3. **Narrative Description of the Study Request:** Given the interest in Generation interconnection in the Upper Mid-C region, it is imperative to plan for transmission projects that enable exports out of the Upper Mid-C region to Lower Columbia territory. It is observed that the majority of the constraints to enable this transfer are around the Midway substation. It has been observed that transmission upgrades identified in the interconnection studies solve the constraints identified in the interconnection study. For subsequent interconnection studies, incremental transmission upgrades are proposed. This approach doesn't offer a holistic approach to identify economic transmission solutions that enable integration of renewables into the PNW's electric grid to achieve state targets set in the region.
This study request aims at identifying solutions that enable higher transfers from Upper Mid-C region where total queued MW's are ~6000 MW, across Midway substation to Lower Columbia regions.
4. **Study Location POR:** Midway 230 kV
5. **Study Point of Delivery POD:** Lower Columbia
6. **MW Size:** 3000 MW
7. **Diagram of the Study Area:** Attached
8. **Additional Information:** Internally Evaluated solution.
New Midway 500 kV yard. Two 800 MVA 500/230 kV transformers.
Loop in the Schultz-Wautoma 500 kV line into Midway substation.
New 500 kV line between Midway and Hanford.



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Economic Study Request - continued





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Economic Study Request - continued

Date of Request: 10/31/2022

Study Request Details:

1. **Study Title:** Exports out of Midway to Tri Cities load
2. **Projected In-Service Date:** 12/31/2035
3. **Narrative Description of the Study Request:** Given the generation interconnection interest in the upper Mid-C region and new load interconnection interest in the Tri Cities areas, there may be additional transmission that is required for the load in the Tri Cities area to procure from the Midway / Upper Mid-C region.
4. **Study Location POR:** Midway 230 kV
5. **Study Point of Delivery POD:** Lower Columbia / Tri Cities
6. **MW Size:** 3000 MW / 800 MW
7. **Diagram of the Study Area:** Attached
8. **Additional Information:** Internally Evaluated solution.
New Midway 500 kV yard. Two 800 MVA 500/230 kV transformers.
Loop in the Schultz-Wautoma 500 kV line into Midway substation.
New 500 kV line between Midway and Hanford.
New 500 kV line between Ashe and Franklin 500 kV.



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