The Interregional Transmission Project (ITP) joint evaluation process provides for planning assumptions and ITP technical data coordination for the individual regional evaluations of an ITP. This evaluation process plan was developed through coordination among the relevant planning regions. Its purpose is to document the outcome of the Western Planning Region’s coordination of the basic descriptions, key assumptions, milestones, and key participants in the ITP evaluation process that will be followed in the regional evaluations of the ITP.

The information that follows is specific to the ITP listed in the ITP Submittal Summary below. An ITP Evaluation Process Plan is developed for each ITP that has been properly submitted and accepted into the regional process of the Planning Regions to which it was submitted. ITP project sponsors will be provided an opportunity to review this evaluation process plan before it is finalized by the relevant planning regions who developed this evaluation process plan. Once finalized, the Western Planning Regions will post this evaluation process plan on their public websites.

<table>
<thead>
<tr>
<th>ITP SUBMITTAL SUMMARY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Submitted To:</td>
</tr>
<tr>
<td>Relevant Planning Regions¹:</td>
</tr>
<tr>
<td>Cost Allocation Requested From:</td>
</tr>
</tbody>
</table>

The Relevant Planning Regions identified above developed and have agreed to the ITP Evaluation Process Plan.

ITP SUMMARY
TransCanyon, LLC (TransCanyon) submitted the 213-mile Cross-Tie Transmission Project (Cross-Tie Project) for consideration as an Interregional Transmission Project. Cross-Tie is a proposed 1500 MW, 500 kV single

¹ With respect to an ITP, a Relevant Planning Region is a Planning Region that would directly interconnect electrically with the ITP, unless and until a Relevant Planning Region determines that the ITP will not meet any of its regional transmission needs, at which time it will no longer be considered a Relevant Planning Region.
² The California ISO has determined that it is not a Relevant Planning Region for the Cross-Tie Transmission Project.
circuit HVAC transmission project that will be constructed between central Utah and east-central Nevada (see Figure 1), connecting PacifiCorp’s planned 500-kV Clover substation (in the NorthernGrid planning region) with NV Energy’s existing 500 kV Robinson Summit substation (in the WestConnect planning region). The proposed project includes series compensation at both ends of the Cross-Tie transmission line. In addition, series compensation is needed on the existing Robinson Summit to HarryAllen 500-kV line along with phase shifting transformers at Robinson Summit 345-kV.

The project is anticipated to follow existing transmission line corridors. In addition, a significant portion of the routing of the line was previously studied under the Southwest Intertie Project Environmental Impact Statement, which received federal approval in a Record of Decision published in 1994 but was not constructed. Still, the project would be required to satisfy the requirements of the National Environmental Policy Act (NEPA) and the Bureau of Land Management (BLM). Several efforts related to permitting the Cross-Tie Project have been initiated including with the BLM and the Nevada Public Utilities Commission (PUC). High-level briefings were also conducted with select stakeholders including the Utah Governor’s Office, and the staff at the Nevada PUC. TransCanyon believes that the risk of failing to obtain necessary administrative approval is considered minimal to moderate.

The Cross-Tie Project obtained Western Electricity Coordinating Council (WECC) Phase 2B status January 31, 2019 with the Phase 2B study plan and base case approved by the Project Review Group.

According to TransCanyon, the project is expected to be in-service by 12/31/2024.

Figure 1: Cross-Tie Project Overview
{Subject to change based on Sponsor’s review} (Source: TransCanyon 2020 ITP Submittal Attachment)

ITP EVALUATION BY RELEVANT PLANNING REGIONS

WestConnect is the Planning Region that will lead the coordination among the Relevant Planning Regions involved in this evaluation process. In this capacity, WestConnect will organize and facilitate interregional coordination meetings related to this ITP and document meeting action items and outcomes. For information regarding each Relevant Planning Region’s ITP evaluation process, please contact that Planning Region directly.
The following is a summary of each Relevant Planning Region’s evaluation process that will be followed to assess the ITP in its regional planning process. Please refer to each Planning Region’s current study plan and/or Business Practice Manual for more details regarding its regional transmission planning process.

NorthernGrid

The NorthernGrid Regional Transmission Plan evaluates whether transmission needs within the NorthernGrid region may be satisfied on a regional and interregional basis. While the NorthernGrid Regional Transmission Plan is not a construction plan, it provides valuable regional insight and information for all stakeholders, including developers, to consider and use in their respective decision-making processes.

The first step in developing NorthernGrid’s 2020-21 Regional Transmission Plan is to identify the Baseline Projects of Enrolled Parties, the transmission projects included in the Enrolled Parties’ Local Transmission Plans plus those projects included in the prior Regional Transmission Plan that will be reevaluated (there will be no reevaluation for this first Regional Transmission Plan). NorthernGrid then evaluates combinations of the Baseline Projects of Enrolled Parties and Alternative Projects to identify whether there may be a combination that effectively satisfies all Enrolled Party Needs (“Regional Combination”).

Power flow and dynamic analysis techniques are used to determine if the modeled transmission system topology meets the system reliability performance requirements and transmission needs. The Regional Combination that effectively satisfies all Enrolled Party Needs will be selected into NorthernGrid’s Regional Transmission Plan. A more detailed discussion of NorthernGrid’s study process can be found in NorthernGrid’s Biennial Study Plan posted on NorthernGrid’s website.

WestConnect

WestConnect’s 2020-21 Regional Study Plan was approved by its Planning Management Committee (PMC) in March of 2020. The study plan describes the system assessments WestConnect will use to determine if there are any regional reliability, economic, or public policy-driven transmission needs. The models for these assessments are built and vetted during Q2 and Q3 of 2020. If regional needs are identified during Q4 of 2020, WestConnect will solicit alternatives (transmission or non-transmission alternatives (NTAs)) from WestConnect members and stakeholders to determine if they have the potential to meet the identified regional needs. If an ITP proponent desires to have their project evaluated as a solution to any identified regional need, they must re-submit their project during this solicitation period (Q5) and complete any outstanding submittal requirements. In late-Q5 and Q6 of the 2020-21 planning cycle, WestConnect will evaluate all properly submitted alternatives to determine whether any meet the identified regional needs, and will determine which alternatives provide the more efficient or cost-effective solution. The more efficient or cost-effective regional projects will be selected and identified in the WestConnect Regional Transmission Plan. Any regional or interregional alternatives that were submitted for the purposes of cost allocation and selected into the Regional Transmission Plan as the more efficient or cost-effective alternative to an identified regional need will then be evaluated for eligibility for regional cost allocation, and subsequently, for interregional cost allocation.

WestConnect regional needs assessments are performed using Base Cases as identified in the regional study plan. Base Cases are intended to represent “business as usual,” “current trends,” or the “expected future”. WestConnect may also conduct information-only scenario studies that look at alternate but plausible futures. In the event regional transmission issues are observed in the assessments of the scenario studies, these issues do not constitute a “regional need”, will not result in changes to the WestConnect Regional Transmission Plan.

4 Please see the WestConnect Business Practice Manual for more information on cost allocation eligibility.
and will not result in Order 1000 regional cost allocation. The WestConnect PMC has ultimate authority to determine how to treat regional transmission issues that are identified in the information-only scenario studies. They will determine whether an issue identified in a scenario —whether it be reliability, economic, or public-policy based—constitutes additional investigation by the Planning Subcommittee.

Cross-Tie Project representatives and other stakeholders are encouraged to participate in the development of the Base Cases to be studied in WestConnect’s 2020-21 Planning Cycle. These studies, as outlined in Figure 2, will form the basis for any regional needs that ultimately may lead to ITP project evaluations in 2021. Stakeholders are also encouraged to participate in the development of the scenarios identified in WestConnect’s 2020-21 Study Plan. These studies are also outlined in Figure 2.

Figure 2: WestConnect 2020-21 Transmission Assessment Summary

<table>
<thead>
<tr>
<th>10-Year Base Cases (2030)</th>
<th>10-Year Scenarios (2030)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Summer Power Flow (reliability)</td>
<td>Committed Uses Study (economic)</td>
</tr>
<tr>
<td>Light Spring Power Flow (reliability)</td>
<td>New Mexico Export Stress Study (reliability)</td>
</tr>
<tr>
<td>Production Cost Model Base Case (economic)</td>
<td></td>
</tr>
</tbody>
</table>

May result in the identification of regional needs, requires solicitation for alternatives to satisfy identified needs

Informational studies that will not result in the identification of regional needs. Alternative collection and evaluation is optional and is not subject to regional cost allocation

DATA AND STUDY METHODOLOGIES
The coordinated ITP evaluation process strives for consistent planning assumptions and technical data among the Planning Regions evaluating the ITP. Below, the Relevant Planning Regions have summarized the types of studies that will be conducted that are relevant to the Cross-Tie Project evaluation in each Planning Region. Methodologies for coordinating planning assumptions across the Relevant Planning Region processes are also described.

Figure 3: Relevant Planning Region Study Summary Matrix

<table>
<thead>
<tr>
<th>Planning Study</th>
<th>NorthernGrid</th>
<th>WestConnect</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Economic/Production Cost Model | Regional Economic Assessment will be performed on WECC 2030 Anchor Data Set (ADS) | A Regional Economic Needs Assessment will be performed on the WestConnect 2030 Production Cost Model (PCM) Base Case (based on the WestConnect 2028 PCM Base Case and information from the WECC 2028 and 2030 Anchor Datasets)

| Reliability/Power Flow Assessment | The study scope is being developed – the following WECC power flow base cases are under consideration: 2029-30 Heavy Winter 1 2030 Light Spring 1 2030 Heavy Summer 1 2030 Heavy Spring form WECC ADS PCM export 2030 Heavy Fall from WECC ADS PCM export | A Regional Reliability Needs Assessment will be performed on WestConnect 2030 Heavy Summer and Light Spring cases, which are based off the WECC 2030 HS1 ADS and 2030 LSP1 base cases |

Note that the Cross-Tie Project evaluation will be conducted by each Relevant Planning Region in accordance with its approved Order 1000 Regional Planning Process. This includes study methodologies and benefits identified in planning studies.

Data Coordination
The Relevant Planning Regions will strive to coordinate major planning assumptions through the following procedures.

**Economic/Production Cost Model**
The Relevant Planning Regions intend to use the WECC 2030 Anchor Data Set (ADS) as an input into their regional economic planning studies conducted in 2020 and 2021 (as applicable). The Planning Regions will strive to coordinate major updates made to the 2030 ADS as part of their regional model development efforts.

As an example, the California ISO will update the 2030 ADS to reflect their recently completed 2019-2020 Transmission Plan. NorthernGrid members are working on the 2030 ADS model with WECC staff to incorporate the 2028 ADS topology and 2020 L&R submittals in the 2030 power flow case. WestConnect members will submit to WECC their local transmission plans for 2030 for inclusion in the WECC 2030 Heavy Summer power flow base case, and subsequently the 2030 ADS. These local plans are consistent with

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5 WestConnect ITP Project evaluation is subject to a number of factors, the first and most critical being the identification of regional needs as a part of the 2020-21 Base Case transmission needs assessments.

6 Id
WestConnect’s 2020-21 base transmission plan.

Through this coordination of planning data and assumptions, the Relevant Regions will strive to build a consistent platform of planning assumptions for Economic/Production Cost Model evaluations of the ITP.

**Reliability/Power Flow Assessment**
Since each Planning Region is unique, key assumptions in load, resource generation dispatch and topology may differ. As such, each Planning Region will develop its models and data that accurately reflect their Planning Region but will seek to coordinate this information with the other Relevant Planning Regions subject to applicable confidentiality agreements. The identification of the starting WECC power flow base cases (“base cases”) and significant assumptions or changes a Planning Region may make to a base case are examples of information that will be considered by each Planning Region and coordinated with the other Planning Regions. As such, the inclusion or removal of major regional transmission projects will be coordinated through existing data coordination processes, but the season or hour of study and particular system operating conditions may vary by Planning Region based on its individual regional planning scope and study plan. Project sponsor WECC Path Rating studies may be accessed from the WECC website and used to augment the assessment.

Cost Assumptions
For each Relevant Planning Region to evaluate whether the Cross-Tie Project is a more efficient or cost-effective alternative within their regional planning process, it is necessary to coordinate ITP cost assumptions among the Relevant Planning Regions. For planning purposes, each Relevant Planning Region’s cost share of the Cross-Tie Project will be calculated based on its share of the calculated benefits provided to the Region by the Cross-Tie Project (as quantified per that Region’s planning process).

The project cost of the Cross-Tie Project, as provided in their ITP Submittal form, is provided below.

![Figure 4: Cross-Tie Project Sponsor Cost Information](image)

<table>
<thead>
<tr>
<th>Project Configuration</th>
<th>Planning Level Cost ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project cost data</td>
<td>$667.0 million</td>
</tr>
<tr>
<td></td>
<td>(2015 $$)</td>
</tr>
</tbody>
</table>

Following are key assumptions upon which this cost estimate is based that are worth noting to facilitate a comparison of costs to other projects being evaluated:

- Includes initial estimate of $91.0 million for upgrades on the existing system at Robinson Summit substation and on the Robinson Summit to Harry Allen 500-kV transmission line, based on preliminary studies provided as a part of the project submission. The extent of these upgrades will need to be confirmed through additional technical studies and would most likely apply to other projects looking to connect at Robinson Summit.
- Includes AFUDC and overheads of ~$100.0 million (estimated at 17.5% of total costs) per the TEPPC cost calculator.

The following Figure 5 provides a detailed breakdown of the total project cost submitted by TransCanyon

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7 This is a preliminary cost estimate for the project submitted by the project sponsor and developed using the TEPPC capital cost calculator. This information is contingent upon verification by the Planning Regions and may be subject to change during the ITP evaluation process.
for use by Planning Regions for their analysis and cost allocation.

Figure 5: Cross-Tie Project Sponsor Cost Breakdown

<table>
<thead>
<tr>
<th>Project Component Cost</th>
<th>Per Mile</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clover - Robinson Summit line</td>
<td>$2,319,250.45</td>
<td>$461,530,838.79</td>
</tr>
<tr>
<td>ROW Cost</td>
<td>$19,964.14</td>
<td>$3,972,864.00</td>
</tr>
<tr>
<td>Clover Substation N/A</td>
<td>N/A</td>
<td>$10,959,685.80</td>
</tr>
<tr>
<td>Robinson Summit N/A</td>
<td>N/A</td>
<td>$28,930,423.20</td>
</tr>
<tr>
<td>Substation Adjustments N/A</td>
<td>N/A</td>
<td>$62,000,000.00</td>
</tr>
<tr>
<td>AFUDC/Overhead @17.5%</td>
<td>$501,215.01</td>
<td>$99,741,787.84</td>
</tr>
<tr>
<td>All Costs</td>
<td>$2,840,429.60</td>
<td>$667,135,599.63</td>
</tr>
</tbody>
</table>

After each Relevant Planning Region identifies their transmission needs and (as applicable) the benefits of the ITP, each Region’s project costs for use in the determination of the more efficient or cost-effective alternatives for the region will be determined as follows:

Assumptions

Total Benefits ($) = NorthernGrid (NG) Benefits ($) + WestConnect Benefits ($)

Project Cost ($) = Total capital cost of project, as agreed upon by Regions

Cost Calculations (for Planning Purposes)

NG Cost for Planning Purposes = [NG Benefits/Total Benefits] * Project Cost

WestConnect Cost for Planning Purposes = [WestConnect Benefits/Total Benefits] * Project Cost

Note that this information on cost assumptions applies to costs that will be used for planning evaluation purposes. These costs may be different than what is assumed for any relevant cost allocation procedures.

COST ALLOCATION

Interregional cost allocation may apply for the Cross-Tie Project for the 2020-2021 cycle.

TransCanyon requested cost allocation from NorthernGrid and from WestConnect and met the necessary requirements within each respective Planning Region’s regional process to be considered eligible to request cost allocation. If both NorthernGrid and WestConnect subsequently select the Cross-Tie project in their respective regional transmission plans for purposes of Interregional Cost Allocation, NorthernGrid and WestConnect will individually apply their regional cost allocation methodology to the projected costs of the Cross-Tie project assigned to each region as described in the previous section and in accordance with each region’s regional cost allocation methodology. If only one of the two Relevant Planning Regions for the Cross-Tie Project select the project in its regional transmission plan for purposes of Interregional Cost Allocation, and the number of Relevant Planning Regions for the Cross-Tie project is reduced to one, the project will no longer be eligible for interregional cost allocation.
SCHEDULE AND EVALUATION MILESTONES

The ITP will be evaluated in accordance with each Relevant Planning Region’s regional transmission planning process during 2020 and (as applicable) 2021. The ITP Evaluation Timeline was created to identify and coordinate key milestones within each Relevant Planning Region’s process. Note that in some instances, an individual Planning Region may achieve a milestone earlier than other Regions evaluating the ITP.

Meetings among the Relevant Planning Regions will be coordinated and organized by the lead Planning Region per this schedule at key milestones such as during the initial phases of the ITP evaluations and during the sharing of ITP regional benefits.
CONTACT INFORMATION

For information regarding the ITP evaluation within each Relevant Planning Region’s planning process, please contact that Planning Region directly.

Planning Region: NorthernGrid  
Name: Dave Angell  
Telephone: (503) 445-1088  
Email: dave.angell@nwpp.org

Planning Region: WestConnect  
Name: Heidi Pacini  
Telephone: (303) 229-9401  
Email: heidi@pacenergies.com