Path Rating Process Logbook

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Table of Contents

[Project Coordination Review Process – Projects in Active Review 1](#_Toc498422834)

[WECC Rating “Expedited” Re-Study of Paths 29 and 32 1](#_Toc498422835)

[LADWP-SCE Upgrade project - Increase Path 46 West of Colorado River (WOR) 2](#_Toc498422836)

[Lucky Corridor 230 kV project 2](#_Toc498422837)

[Project Coordination Review Process – Projects No Longer in Active Review 4](#_Toc498422838)

[Sacramento Area 500 kV Transmission Project (SAC500) 4](#_Toc498422839)

[Path Rating Process – Phase 1 Active Projects 5](#_Toc498422840)

[Cross-Tie Transmission Project 5](#_Toc498422841)

[Harry Allen‐Eldorado 500 kV Transmission Project 6](#_Toc498422842)

[Zephyr 500 kV HVDC Transmission Line Project 6](#_Toc498422843)

[Path Rating Process – Phase 1 Inactive Projects 7](#_Toc498422844)

[Path Rating Process – Phase 2 Active Projects 8](#_Toc498422845)

[SWIP North Transmission Project 8](#_Toc498422846)

[North Gila-Imperial Valley #2 Project 13](#_Toc498422847)

[Path Rating Process – Phase 2 Inactive 15](#_Toc498422848)

[Path 45 Uprate Project 15](#_Toc498422849)

[SWIP-South Project 17](#_Toc498422850)

[Path Rating Process – Phase 3 Active Projects 23](#_Toc498422851)

[West of McNary Reinforcement Project (WOMR) 23](#_Toc498422852)

[Hassayampa – N. Gila #2 (HANG2) Transmission Project (Path 49) 25](#_Toc498422853)

[TOT 1A (Path 30) Limit Calculation Update Project 27](#_Toc498422854)

[Southern Nevada Transmission Interface Project (Path 81 Redefinition) 28](#_Toc498422855)

[SunZia Southwest Transmission Project 29](#_Toc498422856)

[Southline Transmission Project 35](#_Toc498422857)

[Path 14 (Idaho to Northwest) West to East Rating Increase 39](#_Toc498422858)

[Four Corners 345/500 kV Qualified Path (path 23) UPGRADE 40](#_Toc498422859)

[TOT3 Wayne Child Project 41](#_Toc498422860)

[Walla Walla-McNary Transmission Project 42](#_Toc498422861)

[TransWest Express Project 44](#_Toc498422862)

[Path Rating Process – Phase 3 Pending and Inactive 50](#_Toc498422863)

[Gateway West – Aeolus West, Bridger/Anticline West and Path C Projects 50](#_Toc498422864)

[Gateway South – Aeolus South Project 50](#_Toc498422865)

[Gateway South – TOT 2B/2C Project 51](#_Toc498422866)

[Gateway West – TOT 4A Project 52](#_Toc498422867)

[Gateway West – Borah West, Midpoint West & Bridger 2400 MW Upgrade Projects 53](#_Toc498422868)

[TotBeast with Hemingway – Boardman 500 kV 54](#_Toc498422869)

[Hemingway to Boardman Transmission Project 54](#_Toc498422870)

[TOT3 Archer Interconnection Project 55](#_Toc498422871)

[Path 78 TOT 2B1 Path Rating Increase 56](#_Toc498422872)

[Rio Puerco Expansion (Path 48) 57](#_Toc498422873)

# Project Coordination Review Process – Projects in Active Review

Active projects undergoing review as defined in the [Project Coordination, Path Rating and Progress Report Processes](https://www.wecc.biz/_layouts/15/WopiFrame.aspx?sourcedoc=/Reliability/Project_Coordination_Path_Rating_and_Progress_Report_Processes_20170316.pdf&action=default&DefaultItemOpen=1) document.

| 04-18-17 | LADWP, NVE, and PAC | N | WECC Rating “Expedited” Re-Study of Paths 29 and 32 |  |
| --- | --- | --- | --- | --- |
|  | 04-18-17 | N | By email this date, LADWP, NVE, and PAC requested initiation of the “Expedited” rating process for re-study of WECC path ratings for Path 29 (Gonder – Intermountain, owned by LADWP) and Path 32 (Gonder –Intermountain & Pavant-Gonder, owned jointly by LADWP, PAC and NVE). The target path ratings for this re-study are:  Path 29: 250 MW E-W (increase of 50 MW),  Path 32: 440 MW E-W and 235 MW W-E (no change).  The Expedited process will combine Phase 1 and 2, during which all simultaneous and non-simultaneous studies will be performed, and will result in the PRG approval of the Comprehensive Progress Report (CPR) for the project. |  |

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| 10-07-16 | SCE &LADWP |  | LADWP-SCE Upgrade project - Increase Path 46 West of Colorado River (WOR) |  |
|  | 10-07-2016 | N | By email this date as a joint effort, Southern California Edison (SCE) and Los Angeles Department of Water & Power (LADWP) propose to increase the non-simultaneous accepted rating of the Path 46 West of the Colorado River (WOR) to 13,400 MW. The study plan was distributed at this time as well. |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 10-24-12 | Lucky Corridor, LLC |  | Lucky Corridor 230 kV project |  |
|  | 5-13-12 | N | By e-mail this a letter from Lynn Chapman Greene of Lucky Corridor, LLC was distributed soliciting participation in a Project Coordination Review Group for the Lucky Corridor 230 KV transmission line project (LC). Also attached to the email was a high level presentation of the project. |  |
|  | 5-19-12 | S | By email this date Lynn Chapman of Lucky Corridor, LLC distributed the Project Coordination Review Group Report for the Lucky Corridor Transmission Project. Attached was the Project Coordination report that had been accepted by the Project Coordination Review Group (PCRG) and was ready for posting and notification by WECC for a 30 day comment period in accordance with the WECC Project Coordination Processes. |  |
|  | 8-1-12 | C | By email this date Lynn Chapman of Lucky Corridor, LLC stated that the PCRG process was completed and that the project should remain in the queue |  |

# Project Coordination Review Process – Projects No Longer in Active Review

Inactive projects that may still be intended to undergo review as defined in the [Project Coordination, Path Rating and Progress Report Processes](https://www.wecc.biz/_layouts/15/WopiFrame.aspx?sourcedoc=/Reliability/Project_Coordination_Path_Rating_and_Progress_Report_Processes_20170316.pdf&action=default&DefaultItemOpen=1) document.

| 3-3-2015 | Sacramento Municipal Utility District |  | Sacramento Area 500 kV Transmission Project (SAC500) |  |
| --- | --- | --- | --- | --- |
|  | 03-03-15 | N | By email this date Sacramento Municipal Utility District (SMUD) and Western Area Power Administration (Western) hereby request initiation of a Project Coordination Review Process for a jointly developed project referred to as the SAC500 Project. The proposed project is an approximately 50-mile 500-kV transmission line interconnecting the California Oregon Intertie Project (COTP) to Western’s Central Valley Project (CVP) transmission system. The SAC500 Project provides local and regional reliability benefits while providing additional access to low carbon resources. A draft report describing the preliminary study results is attached for your reference. SMUD and Western request that a group within the Sierra Subregional Planning Group of WestConnect host the Project Coordination Review Process. Interested parties should complete the form attached to the announcement letter, Project Coordination Review Group form, by March 16, 2015 and forward to Craig Cameron at [Craig.Cameron@smud.org](mailto:Craig.Cameron@smud.org) or fax to (916) 732-5688. |  |
|  | 08-24-2016 |  | Discussed in TSS this date. This project is working through environmental review and should return to Phase 0 |  |

# Path Rating Process – Phase 1 Active Projects

Active Phase 1 Path Rating projects as defined in the [Project Coordination, Path Rating and Progress Report Processes](https://www.wecc.biz/_layouts/15/WopiFrame.aspx?sourcedoc=/Reliability/Project_Coordination_Path_Rating_and_Progress_Report_Processes_20170316.pdf&action=default&DefaultItemOpen=1) document.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 8-28-17 | Transcanyon | N | Cross-Tie Transmission Project | Q4-2024 |
|  |  | N | The Cross-Tie Transmission Project (Cross-Tie) is an EHV transmission intertie to be constructed between the future PacifiCorp Clover 500 kV substation near Mona, UT and the NV Energy Robinson Summit 500 kV substation near Ely, NV. Cross-Tie will consist of the following major transmission elements:  a 213 mile, 3-1272 ACSR conductor, 500 kV transmission line,  50% total series compensation on the 500 kV line, and  2x90 MVAr shunt reactors at each end of the line.  The anticipated in-service date for Cross-Tie is the fourth quarter of 2024. |  |
|  | 8-28-17 | S | By email this date Transcanyon provided the completed Phase 1 review and requested approval to enter Phase 2a |  |
|  | 10-30-17 | C | By email this date Transcanyon’s completion of Phase 1 and request to enter Phase 2a was resent due to the transition from the PCC/TSS structure to the new RAC structure. Questions or requests to be added to the PRG were requested by November 13, 2017 |  |
|  | 11-14-17 | C | By email this date Transcanyon indicated that they have not received any major comments on or objections to the Comprehensive Progress Report.  (Some comments were received requesting additional study work, but these comments will be addressed in Phase 2 of the Path Rating Process.  Therefore, the Cross-Tie is now in Phase 2A of the WECC Path Rating Process.  If there are any questions concerning the Cross-Tie, please contact Robert Smith at [robert.smith@transcanyon.com](mailto:robert.smith@transcanyon.com). |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 10-13-17 | DesertLink LLC |  | Harry Allen‐Eldorado 500 kV Transmission Project |  |
|  | 10-13-17 | S | By email this date Sandeep Arora of DesertLink LLC emailed the completed Project Phase 1 Comprehensive Progress report. |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| 09-16-09 | TransCanada Corp. | N | Zephyr 500 kV HVDC Transmission Line Project | 09-16-09 |
|  |  | N | 09-16-09 By e-mail this date, TransCanada Corp. initiated Phase I of the WECC 3-Phase Project Rating Review Process for the Zephyr 500 kV HVDC Transmission Line Project. The Zephyr Project consists of an 1100 mile, 500 kV HVDC transmission line from the Medicine Bow, WY area to the Eldorado Valley area south of Las Vegas, NV with an intermediate converter station in the Borah (American Falls) area of Idaho. |  |
|  |  | C | 09-17-09 By e-mail this date Basin Electric Power Coop (BEPC) submitted a list of questions concerning the Zephyr Project. |  |
|  | 08-26-2016 | C | Discussed in TSS this date. This project is in Active Phase 1 |  |

# Path Rating Process – Phase 1 Inactive Projects

Inactive Phase 1 Path Rating projects as defined in the [Project Coordination, Path Rating and Progress Report Processes](https://www.wecc.biz/_layouts/15/WopiFrame.aspx?sourcedoc=/Reliability/Project_Coordination_Path_Rating_and_Progress_Report_Processes_20170316.pdf&action=default&DefaultItemOpen=1) document.

# Path Rating Process – Phase 2 Active Projects

Active Phase 2 Path Rating projects as defined in the [Project Coordination, Path Rating and Progress Report Processes](https://www.wecc.biz/_layouts/15/WopiFrame.aspx?sourcedoc=/Reliability/Project_Coordination_Path_Rating_and_Progress_Report_Processes_20170316.pdf&action=default&DefaultItemOpen=1) document.

| 02-21-07 | LS Power &  Great Basin Transmission LLC | N | SWIP North Transmission Project (previously known as Great Basin Transmission LLC’s proposed Midpoint-White Pine 500 kV transmission line) | 2014 |
| --- | --- | --- | --- | --- |
|  | 02-22-07 | N | By email this date LS Power, LLC for Great Basin Transmission, LLC requested Phase 1 status for the Project Rating Review of the proposed Midpoint-White Pine 500 kV transmission line project. This project represents the northern portion of the original Southwest Intertie Project (SWIP) and stretches from Midpoint in Idaho to White Pine County in Nevada. The request was distributed to PCC and TSS. |  |
|  | 08-11-08 | S | By email this date the TSS Chair distributed a letter stating that the SWIP North Transmission Project has achieved Phase 2 status with a proposed rating of 1400 MW southbound and 2000 MW northbound. |  |
|  | 09-28-09 | S | By email this date the SWIP-North PRG leader distributed for review a draft write-up and summary of the preliminary non-simultaneous studies as well as two base cases and associated dynamics data that were used to run the studies. |  |
|  | 10-14-09 | C | By email this date Idaho Power Co. submitted a list of comments to the draft write-up of study results distributed on 09-28-09 for review. |  |
|  | 10-18-09 | C | By email this date NV Energy submitted a list of comments to the draft write-up of study results distributed on 09-28-09 for review. |  |
|  | 10-20-09 | C | By email this date PG&E submitted a list of comments to the draft write-up of study results distributed on 09-28-09 for review. |  |
|  | 08-02-10 | S | By email this date Great Basin Transmission (GBT) provided notice that Utility System Efficiencies (USE) will now be providing technical assistance with the Phase 2 study effort. An updated Study Plan was distributed for review and comment. |  |
|  | 08-03-10 | S | By email this date seven base cases were distributed by USE for review and comment. |  |
|  | 08-12-10 | C | By email this date SMUD submitted two comments to the study plan provided by USE. |  |
|  | 08-13-10 | C | By email this date PG&E indicated that updates to the study cases as well as comments to the study plan are forthcoming. |  |
|  | 08-16-10 | C | By email this date TransWest Express provided a list of 4 comments to the SWIP-North Phase 2 study plan. |  |
|  | 08-17-10 | C | By email this date IPC provided numerous comments to the SWIP-North Phase 2 study plan. |  |
|  | 08-18-10 | C | By email this date PG&E provided a two-page list of comments to the SWIP-North Phase 2 study plan as well as some change files for the power flow cases to be used in the Phase 2 studies. |  |
|  | 08-18-10 | S | By email this date USE Consulting provided a response to SMUD’s comments of 08-12-10. |  |
|  | 09-10-10 | C | By email this date SMUD acknowledged USE’s response on 08-18-10 and re-iterated one of their concerns from the original comments on 08-12-10. |  |
|  | 09-10-10 | S | By email this date USE Consulting responded to SMUD’s comment on 09-10-10 and agreed to modify a section of the Phase 2 study plan to address SMUD’s concerns. |  |
|  | 09-10-10 | C | By email this date PG&E indicated that power flow parameters regarding COI flows are acceptable. This was one of PG&E’s concerns in their comments from 08-18-10. |  |
|  | 09-10-10 | C | By email this date SMUD indicated that USE Consulting’s response from this same date is acceptable. |  |
|  | 09-15-10 | S | By email this date USE Consulting provided responses to all comments received from PG&E on 08-18-10 and also noted that an updated study plan is forthcoming. |  |
|  | 11-07-10 | S | By email this date USE Consulting provided responses to all comments received from TransWest Express on 08-16-10. |  |
|  | 11-07-10 | S | By email this date USE Consulting provided the finalized SWIP-North Phase 2 Study Plan for PRG review. |  |
|  | 01-20-11 | S | By email this date USE Consulting distributed to the PRG via two separate emails SWIP-North Path 66 N-S & S-N simultaneous base cases and associated base case parameters for review. |  |
|  | 01-28-11 | S | By email this date LS Power provided notification of a SWIP South PRG meeting to be held 03-22-11 in Las Vegas. |  |
|  | 01-31-11 | S | By email this date USE Consulting distributed the draft study report for the SWIP-North N-S non-simultaneous studies to the PRG for review. |  |
|  | 01-31-11 | S | By email this date USE Consulting distributed to the PRG via two separate emails SWIP-North Path 14 W-E & E-W simultaneous base cases and associated base case parameters for review. |  |
|  | 01-31-11 | C | By email this date PG&E provided comments to the SWIP-North Path 66 N-S & S-N base cases concerning modification of COI flows.. |  |
|  | 01-31-11 | S | By email this date USE Consulting acknowledged receipt of PG&E’s comments to the SWIP-North Path 66 base cases and indicated the requested changes would be implemented. |  |
|  | 02-01-11 | C | By email this date PACE provided comments to the SWIP-North Path 66 base case representation of TOT 2B/2C. |  |
|  | 02-02-11 | C | By email this date SMUD re-iterated PG&E’s 01-31-11 comments to the Path 66 base cases. |  |
|  | 02-04-11 | C | By email this date IPC submitted a list of four comments to the base case used to provide the SWIP-North N-S non-simultaneous studies as distributed by USE Consulting on 01-31-11. |  |
|  | 02-14-11 | S | By email this date USE Consulting distributed the draft study report for the SWIP-North S-N non-simultaneous studies to the PRG for review. |  |
|  | 02-23-11 | S | By email this date USE Consulting provided notice of a joint SWIP-North and SWIP-South PRG meeting to be held in Las Vegas, NV on 03-22-11. |  |
|  | 02-28-11 | C | By email this date PACE submitted a list of six comments to the draft SWIP-North S-N non-simultaneous study report as distributed by USE Consulting on 02-14-11. |  |
|  | 02-28-11 | C | By email this date SMUD requested additional detail on some of the information included in the draft SWIP-North S-N non-simultaneous study report. |  |
|  | 03-07-11 | S | By email this date USE Consulting distributed to the PRG via two separate emails SWIP-North Path 65 N-S & S-N simultaneous base cases and associated base case parameters for review. |  |
|  | 03-17-11 | S | By email this date USE Consulting distributed the SWIP-North N-S and S-N non-simultaneous study reports to the PRG after having added all previously received comments. |  |
|  | 03-17-11 | C | By email this date PACE submitted an additional comment to the SWIP-North non-simultaneous study reports. |  |
|  | 03-17-11 | S | By email this date NVEnergy addressed the comment from PACE and stated that the SWIP-South team is working on an answer to it. |  |
|  | 03-18-11 | S | By email this date USE Consulting distributed to the PRG via two separate emails SWIP-North Path 26 N-S & S-N simultaneous base cases and associated base case parameters for review. |  |
|  | 04-04-11 | S | By email this date USE Consulting distributed to the PRG via two separate emails SWIP-North Path 17/Path 19 N-S & S-N simultaneous base cases and associated base case parameters for review. |  |
|  | 04-05-11 | C | By email this date IPC submitted comments to the SWIP-North Path 17/Path 19 information distributed by USE Consulting on 04-04-11 and noted that there is potential for significant interaction between Borah West and SWIP North. |  |
|  | 04-11-11 | S | By email this date USE Consulting acknowledged receipt of IPC’s comments of 04-05-11 and indicated that simultaneous interaction analyses will be performed on both Path 17 and Path 19. |  |
|  | 04-12-11 | C | By email this date WAPA provided comments to the SWIP-North Path 17/Path 19 base cases. |  |
|  | 04-12-11 | S | By email this date USE Consulting acknowledged receipt of WAPA’s comments of the same date and indicated their comments will be added into the study base cases. |  |
|  | 01-18-2012 | S | Cases for simultaneous studies were distributed for comment. Comments due on February 1, 2012. |  |
|  | 06-22-2012 | S | PRG report was sent on this date. |  |
|  | 07-25-2012 | C | Comments from NV Energy received. |  |
|  | 06-25-2014 | S | By email this date LS Power provides a status update on the PRG studies. The PRG has addressed all comments and as a result are awaiting additional feedback from PG&E and SCE about additional sensitivity studies. |  |

| 01-2014 | Power Engineer |  | North Gila-Imperial Valley #2 Project | 12-2021 |
| --- | --- | --- | --- | --- |
|  | 08-01-11 | N | The project was reviewed by PRG and CRT. Regional Project Report was submitted to WECC on August 1, 2011. By notification letter dated September 2, 2011, acceptance of the completion of the Project Coordination Review Process for the NG-IV#2 Project by the PCC Chair. |  |
|  | 2-25-16 | S | By this date Mr. Mark Etherton submitted the [Comprehensive Progress Report](https://www.wecc.biz/Reliability/NDA/STP_NGIV2_CPR_02122016.pdf) (CPR) for this project and requested review and any comments by the review deadline of April 20, 2016. Upon acceptance of the CPR for this project, the project sponsor requests Phase II status in the WECC Project Rating Review Process.  In addition, a Phase II Project Review Group was to be formed. |  |
|  | 11-28-16 | N | Project was granted Phase 2A status |  |
|  | 11-2-17 | S | On this date a meeting of the PRG was held. ITC Grid Development was introduced as the new development partner and the Study Plan and the proposed schedule for Phase 2 was discussed. |  |

# Path Rating Process – Phase 2 Inactive

Inactive Phase 2 Path Rating projects as defined in the [Project Coordination, Path Rating and Progress Report Processes](https://www.wecc.biz/_layouts/15/WopiFrame.aspx?sourcedoc=/Reliability/Project_Coordination_Path_Rating_and_Progress_Report_Processes_20170316.pdf&action=default&DefaultItemOpen=1) document.

These include projects listed as Phase 2 in the 2015 Path Rating Catalog that have not reported activity for 18 or more months

| 12-16-09 | Comision Federal de Electricidad  (CFE) | N | Path 45 Uprate Project |  |
| --- | --- | --- | --- | --- |
|  |  | N | 07-30-09 By e-mail this date, Comision Federal de Electricidad (CFE) initiated Phase I of the WECC 3-Phase Project Rating Review Process for the Path 45 Uprate Project. This project is planned to increase the rating of Path 45 to 600 MW in the N-S direction. Comments to the CPR as well as notification of interest in participating in the PRG are due by September 29, 2009. |  |
|  |  | C | 10-21-09 By e-mail this date SDGE provided comments to the CPR for this project. |  |
|  |  | S | 10-21-09 By e-mail this date CFE provided answers to SDGE’s comments of the same date. |  |
|  |  | S | 12-16-09 By e-mail this date the TSS Chair distributed a letter indicating that the Path 45 Uprate Project has achieved Phase II status for a Planned Rating of 600 MW N-S. |  |
|  |  | S | 02-22-10 By e-mail this date CFE distributed notice of an initial PRG meeting to be held 03-02-10 at IID facilities in El Centro, CA. |  |
|  |  | S | 03-12-10 By e-mail this date CFE provided meeting minutes from the Phase II PRG meeting that was held 03-02-10 in El Centro, CA and asked for any comments. |  |
|  |  | S | 05-26-10 By e-mail this date CFE distributed a Phase II study plan to the PRG for their review and comment. |  |
|  |  | S | 09-28-10 A Phase II PRG meeting was held at SDG&E facilities this date. |  |
|  |  | C | 12-21-10 By e-mail this date SCE provided comments to the Phase II study report of the Path 45 Uprate Project. |  |
|  |  | S | 02-18-11 By e-mail this date CFE distributed the Phase II Project Rating Report for 30-day review and requested Phase III status. |  |
|  |  | S | 03-30-11 By e-mail this date CFE indicated that they had not received any comments to their report that was distributed on 02-18-11 and asked about the next steps that need to be taken. |  |
|  |  | C | 04-26-11 By e-mail this date SCE submitted comments to CFE concerning the Path 45 Uprate Project. SCE indicated that simultaneous analyses with Path 46 have not been performed correctly and need to be completed. As a result, SCE requests that CFE complete these studies before Phase III status can be granted. |  |
|  |  | C | 04-26-11 By e-mail this date the CAISO requested that CFE perform a simultaneous evaluation of Path 45 (N-S) and Path 46 (E-W) both at their maximum flows. |  |
|  |  | C | 05-02-11 By e-mail this date SCE requested that CFE complete a Path 46 simultaneous analysis. |  |
|  |  | S | 05-11-11 By e-mail this date SCE distributed study results to the PRG with Paths 45 and 46 at their respective maximums and loss of the IV-La Rosita 230 kV line. SCE requested help from SDG&E in verifying its SOL’s in the base case used for the studies. |  |
|  |  | S | 05-17-11 By e-mail this date SDG&E indicated that none of their SOL’s are violated in the base case that SCE used for their studies from 05-11-11. |  |
|  |  | S | 08-18-11 By e-mail this date CFE distributed a draft Study Report to the PRG that includes a Path 46 simultaneous analysis. |  |
|  |  | C | 08-22-11 By e-mail this date SCE provided a list of four comments to the draft report of 08-18-11. |  |
|  |  | C | 08-22-11 By e-mail this date the CAISO provided a list of 3 comments to the draft report of 08-18-11. |  |
|  |  | C | 08-26-11 By e-mail this date SDG&E provided comments to the draft report of 08-18-11. |  |

| 02-08-06 | LS Power &  Great Basin Transmission LLC | N | SWIP-South Project (formerly known as Great Basin Transmission LLC’s proposed Harry Allen-Robinson Summit transmission line—Great Basin Transmission Project) | 2012 |
| --- | --- | --- | --- | --- |
|  |  | N | 12-30-05 By e-mail this date request LS Power, LLC for Great Basin Transmission, LLC requested Phase 1 status for the Project Rating Review of the proposed Harry Allen-Robinson Summit transmission line project. The request was distributed to PCC and TSS. |  |
|  |  | S | 01-26-07 By e-mail this date the TSS Chair distributed a letter indicating that the Great Basin Transmission Project has achieved Phase II status for a rating of 1430 MW. |  |
|  |  | S | 05-26-09 By e-mail this date LS Power submitted study results previously provided to the PRG for entry into the Phase II Rating Log. |  |
|  |  | S | 08-24-09 By e-mail this date results for non-simultaneous studies were distributed to the PRG for their review. |  |
|  |  | S | 08-27-09 By e-mail this date initial power flow results and base cases for the SWIP-South/EOR Simultaneous Analysis were distributed to the PRG for their review. |  |
|  |  | C | 09-04-09 By e-mail this date NVEnergy provided a list of 6 questions/comments regarding the initial power flow results provided by LS Power. |  |
|  |  | S | 11-30-09 By e-mail this date USE Consulting distributed pre- and post-project SWIPS-Centennial simultaneous power flow base cases and dyd files for review. |  |
|  |  | C | 12-03-09 By e-mail this date the CAISO requested the addition of two items into the SWIP-South Phase II studies. |  |
|  |  | S | 06-30-10 By e-mail this date USE Consulting provided notice that in January 2010, Great Basin Transmission (GBT) and NV Energy announced a MOU for joint development of a single Robinson Summit-Harry Allen 500 kV transmission line. SWIP-South Phase II rating studies have been resumed with GBT enlisting the services of USE Consulting to provide technical assistance. The SWIP-South Phase II rating study plan has been updated. |  |
|  |  | S | 06-30-10 By e-mail this date USE Consulting distributed to the PRG the most recent versions of the SWIP-South non-simultaneous cases. |  |
|  |  | C | 07-05-10 By e-mail this date the CAISO provided a list of seven comments to the Phase II study plan for this project. |  |
|  |  | C | 07-28-10 By e-mail this date NV Energy provided comments to the Phase II study plan for this project. |  |
|  |  | C | 08-03-10 By e-mail this date TransWest Express submitted a list of three comments to the SWIP-South Phase 2 study plan. |  |
|  |  | S | 08-25-10 By e-mail this date USE Consulting distributed to the PRG the most recent version of the SWIP-South 2013 LW non-simultaneous pre-project case and associated dynamics file. In a separate e-mail, USE Consulting also distributed two post-project cases. |  |
|  |  | S | 09-09-10 By e-mail this date USE Consulting distributed a sensitivity variation of the SWIP-South 13 HS non-simultaneous cases. |  |
|  |  | S | 09-30-10 By e-mail this date USE Consulting provided responses to the three comments from TransWest Express on 08-03-10. |  |
|  |  | S | 09-30-10 By e-mail this date USE Consulting distributed to the PRG the finalized SWIP-South Phase 2 study plan after incorporating comments that had been received. |  |
|  |  | C | 10-01-10 By e-mail this date PacifiCorp noted that no simultaneous analyses between the SWIP-South project and east side transmission paths were evaluated. PacifiCorp requested the addition of the following simultaneous analyses: Path C, TOT 2C/TOT 2B1/TOT 2B2, IPP DC line, Bridger West, and Borah West. |  |
|  |  | S | 10-01-10 By e-mail this date Great Basin Transmission indicated that they will be performing simultaneous analyses for the TOT 2C/TOT 2B!/TOT 2B@ and the IPP DC line, but that the remaining paths requested by PacifiCorp in their 10-01-10 e-mail will be covered in the SWIP-North study plan. |  |
|  |  | C | 10-01-10 By e-mail this date SMUD provided a comment to the SWIP-South study plan. |  |
|  |  | C | 10-04-10 By e-mail this date PacifiCorp asked for information concerning the added generation in the IPC control area that was included in the case(s) being used for Phase 2 studies. |  |
|  |  | S | 10-04-10 By e-mail this date USE Consulting responded to PacifiCorp’s question from the same date. |  |
|  |  | C | 10-04-10 By e-mail this date PacifiCorp asked about resources necessary to justify the SWIP project N-S rating and how this rating will be affected if these resources aren’t available when the SWIP project is built. |  |
|  |  | S | 10-04-10 By e-mail this date USE Consulting indicated that three different scenarios are being studied to load the SWIP project N-S out of Midpoint in Idaho. |  |
|  |  | C | 10-06-10 By e-mail this date TransWest Express asked for additional details on the Idaho resources being used in the SWIP-South Phase 2 studies. |  |
|  |  | S | 10-06-10 By e-mail this date USE Consulting responded to the TransWest Express comments from the same date. |  |
|  |  | C | 10-07-10 By e-mail this date PacifiCorp observed that each of the three configurations being considered to load the SWIP-North project would result in different ratings and asked if it would be a good idea to analyze SWIP-South in a similar manner. |  |
|  |  | S | 10-11-10 By e-mail this date USE Consulting responded to PacifiCorp’s comments from 10-07-10. |  |
|  |  | S | 12-21-10 Via 3 separate e-mails this date USE Consulting distributed to the SWIP-South PRG (1) a draft report presenting initial results of the 2013 Heavy Summer N-S Non-Simultaneous case, (2) the base case used to produce these results, and (3) a sensitivity case including NVEnergy’s Sunrise 500/230 kV substation on the Harry Allen-Mead 500 kV line. |  |
|  |  | S | 01-28-11 By e-mail this date LS Power provided notification of a SWIP South PRG meeting to be held 03-22-11 in Las Vegas. |  |
|  |  | S | 02-01-11 By e-mail this date USE Consulting distributed to the SWIP South PRG via two separate e-mails draft report material detailing non-simultaneous analyses for this project. |  |
|  |  | S | 02-10-11 By e-mail this date USE Consulting distributed to the PRG the SWIP South/Path 26 simultaneous cases for their review. |  |
|  |  | C | 02-18-11 By e-mail this date PACE provided updates to their system as represented in the cases used to produce the non-simultaneous report from 02-01-11. |  |
|  |  | S | 02-24-11 By e-mail this date LS Power provided notice that a loan guarantee for this project has been finalized. The project is scheduled to be in service before the end of 2012. |  |
|  |  | S | 02-24-11 By e-mail this date USE Consulting distributed to the PRG, via two separate emails, four base cases for simultaneous analysis of SWIP-South and Path 32 (Pavant/Intermountain-Gonder 230 kV). Comments to the cases are due by 03-14-11. |  |
|  |  | S | 03-01-11 By e-mail this date USE Consulting distributed to the SWIP-South PRG draft non-simultaneous analyses to be discussed at the SWIPPRG meeting planned for 03-22-11 in Las Vegas. |  |
|  |  | S | 03-18-11 By e-mail this date USE Consulting distributed to the SWIP-South PRG meeting material for the 03-22-11 PRG meeting in Las Vegas. |  |
|  |  | S | 05-13-11 By e-mail this date NVEnergy submitted a letter indicating that the ON Line and SWIP-South projects are still separate projects and are still making progress through the 3-Phase rating process. |  |
|  |  | S | 11-10-11 By three separate e-mails this date LSPower submitted to the PRG base cases for the SWIP South - TOT 2B-2C/IPP simultaneous studies. Review and comments were requested by 11-23-11. |  |
|  |  | S | 01-04-12 By e-mail this date LSPower submitted to the PRG base cases for the SWIP South – EOR/WOR simultaneous studies. Review and comments were requested by 01-18-12. |  |
|  |  | S | 06-14-12 By email this date the PRG report was sent. |  |
|  |  | S | 06-25-14 By email this date LS Power provides a status update on the PRG studies. The PRG has addressed all comments and as a result are awaiting additional feedback from PG&E and SCE about additional sensitivity studies. |  |

# Path Rating Process – Phase 3 Active Projects

Active Phase 3 Path Rating projects as defined in the [Project Coordination, Path Rating and Progress Report Processes](https://www.wecc.biz/_layouts/15/WopiFrame.aspx?sourcedoc=/Reliability/Project_Coordination_Path_Rating_and_Progress_Report_Processes_20170316.pdf&action=default&DefaultItemOpen=1) document.

| 08-18-09 | Bonneville Power Administration  (BPA) | N | West of McNary Reinforcement Project (WOMR) | 02-2013 |
| --- | --- | --- | --- | --- |
|  | 08-18-2009 | N | By email this date Bonneville Power Administration (BPA) initiated Phase 1 of the WECC 3-Phase Project Rating Review Process for the West of McNary Reinforcement Project. This project was previously known as the West of McNary Generation Integration Project (WOMGIP) and includes construction of a new 79 mile, 500 kV line from BPA’s McNary Substation to BPA’s John Day Substation and a new 28 mile, 500 kV line from BPA’s Big Eddy Substation to a new 500 kV substation to be named Knight (formerly known as Station Z). A CPR was distributed with comments and indication of interest in participation in the Phase 2 PRG due by October 16, 2009. |  |
|  | 05-28-2009 | C | By email this date Puget Sound Energy requested participation on the Project Review Group for the West of McNary Project |  |
|  | 09-10-2009 | S | By email this date the original notification letter of 08-18-09 was re-distributed due to an error in the contact information for this project. |  |
|  | 02-06-2013 | N | By email this date the TSS Chair distributed a letter indicating the completion of Phase 1 requirements for the BPA West of McNary (WOM) Reinforcement Project. This project achieved Phase 2A status in the WECC Project Rating Review Process a Planned Rating of 4,500 MW (east-to-west). |  |
|  | 07-29-2013 | S | By email this date a draft study plan was distributed to the PRG. |  |
|  | 08-01-2013 | C | By email this date the presentation was sent out for the PRG kick-off meeting. |  |
|  | 08-06-2013 | C | By email this date a proposal on how to stress the study cases was distributed. |  |
|  | 08-09-2013 | C | By an email chain between the project sponsor and BPA a discussion of the proper study plan and what it should include for cases. |  |
|  | 09-16-2013 | S | By email this date a draft Study Plan and 3 preliminary foundational base cases are posted. Feedback is requested by 10/31/2013. |  |
|  | 11-19-2013 | S | By email this date reminder about an upcoming meeting was distributed. The meeting is scheduled to be held 11-21-13. The meeting information was also distributed. |  |
|  | 11-27-2013 | S | By email this date a draft study plan was distributed to the PRG. The base cases and associated dynamic data are posted on the ColumbiaGrid website. |  |
|  | 03-09-2015 | S | By email this date BPA formally requests Phase 3 Rating Status for WOMR and its associated paths (West of McNary (WOM), West of Slatt (WOS) and West of John Day (WOJ)). BPA is submitting the attached WOMR Phase 2 Rating Technical Report to WECC PCC, TSS and OC for the required 30-day comment period in accordance with the WECC Project Rating Process. |  |
|  | 06-30-2015 |  | By email this data the PCC chair grants WOMR and its associated paths (West of McNary (WOM), West of Slatt (WOS) and West of John Day (WOJ)) Phase 3 status. |  |
|  | 08-24-2016 | C | In TSS this project was discussed. It is still in Phase 3. |  |

| 08-03-13 | Arizona Public Service (APS) | N | Hassayampa – N. Gila #2 (HANG2) Transmission Project (Path 49) | 06-01-2015 |
| --- | --- | --- | --- | --- |
|  | 08-03-13 | N | By email this date With the addition of the HANG2 project, APS is anticipating increasing the Path 49 non-simultaneous rating as well as increasing the load serving capability of the Yuma area. Also, APS will be working with the sponsors of the N. Gila-Imperial Valley #2 500 kV project to determine a new Path 49 rating. To date, APS does not have a proposed rating for the HANG2 project but it is anticipated to be between 600-700 MW without the N. Gila-Imperial Valley #2 500 kV project and approximately twice that with the project. The anticipated in-service date for the HANG2 project is June 1, 2015.  With the submittal of this letter, Arizona Public Service will begin a Comprehensive Progress Report study in support of the new rating. |  |
|  | 10-16-13 | S | By email this date the HANG2 project has requested phase 2 status and distributed the comprehensive progress report. Comments and requests to be part of the project review group are due December 17, 2013. |  |
|  | 12-18-13 | N | By email this date WECC staff were notified that no comments objecting to the project advancing to Phase 2 were received during the 60-day comment period. APS requested that the project be moved to Phase 2 status. |  |
|  | 01-23-2014 | N | By email the TSS chair granted HANG2: Hassayampa – N. Gila #2 Transmission Project (Path 49 Upgrade) phase 2 status. |  |
|  | 04-29-2014 | S | By email this date APS provides for approval the HANG2 study plan. |  |
|  | 05-02-2014 | S | By email this date APS provides a revised HANG2 study plan for approval that incorporated additional comments from WAPA and SDGE. |  |
|  | 10-24-2014 | S | By email this date APS holds fourth conference call for PRG on the HANG2 Phase 2 study efforts. |  |
|  | 12-18-2014 | S | By email this date the TSS chair notifies WECC members that the Hassayampa – N. Gila #2 (HANG2) Transmission Project (Path 49) has completed all requirements for Phase 2A of the WECC Path Rating Process and requests effective December 17, 2014 the designation of Phase 2B of the WECC Path Rating Process. |  |
|  | 01-23-2015 | N | By email this date the PCC Chair grants, effective December 17, 2014, the Hassayampa – N. Gila #2 (HANG2) Transmission Project (Path 49) Phase 2B of the WECC Path Rating Process. |  |
|  | 3-24-2015 | S | By email this date the HANG2 Project Review Group approved the phase 2 technical report. APS requested Phase 3 status. |  |
|  | 3-26-2015 | N | By email this date Phase 3 status request email was sent out |  |
|  | 05-04-2015 | N | By email this date the PCC Chair grants the Hassayampa – N. Gila #2 (HANG2) Transmission Project (Path 49) Phase 3 Status. |  |
|  | 7-23-15 | N | By email this data Project is complete and Accepted Rating of Path 49 is 9600 MW East to West – in 2017 catalog |  |
|  | 8-24-2016 | N | In TSS this project was updated to complete – except last leg (AKA Phase 2) which would be in service in 2021. |  |
|  | 8-4-2017 | N | By email this date Rick Torres of IID informed WECC that the Avenue 58 transformer that needed to be updated to close out an action item in this project had been installed in June of 2012 |  |

| 08-29-11 | Western Area Power Administration (WAPA) | N | TOT 1A (Path 30) Limit Calculation Update Project | 12-2013 |
| --- | --- | --- | --- | --- |
|  | 08-29-11 | N | By email this date, Western Area Power Administration (WAPA) initiated the Expedited Rating Process for the TOT 1A (Path 30) Limit Calculation Update Project. This project is initiated to update the TOT 1A limit calculation methodology and no changes to the current E-W transfer capability of 650 MW are being sought. In addition, a request for interest in participation in a Project Review Group was made. |  |
|  | 06-12-13 | S | By email this date the comprehensive progress report was distributed for review. Interest in participation in the PRG is due June 26, 2013. |  |
|  | 01-07-14 |  | By email this date Path 30 is granted phase 3 status. The transfer capability remains 650 MW. |  |
|  | 8-24-2016 | C | Projected discussed in TSS on this date. Project remains in Phase 3. |  |

| 03-07-12 | NV Energy (NVE) | N | Southern Nevada Transmission Interface Project (Path 81 Redefinition) | 4/2013 |
| --- | --- | --- | --- | --- |
|  | 03-07-12 | N | By email this date; NV Energy initiated the Expedited Rating Process for the redefinition of Path 81. The new non-simultaneous rating for the path will be 3948 MW South-to-North (NVE import) and 4458 MW North-to-South (NVE export) as measured at the SNTI line BA boundaries. A Comprehensive Progress Report was also distributed on March 7, 2012. This email also announced the formation of a Project Review Group and requested interested parties to respond by April 6, 2012 |  |
|  | 5-7-12 | \*C | By email SNTI received comments from Idaho Power and TransWest Express. Six Entities expressed interest in participating in the Project Review Group. The first meeting is planned for 5-14-12. |  |
|  | 5-7-12 | \*C | By email a meeting was scheduled for May 14, 2012 to discuss the study plan and the comments received. |  |
|  | 6-27-12 | \*C | By email the study plan was distributed for comments. Comments due 7-5-2012. |  |
|  | 7-5-12 | \*C | By email Idaho Power submitted comments on the Study Plan. |  |
|  | 7-12-13 | \*S | By email to the project review group with a included zip file study results were sent to the PRG for review. A PRG meeting is scheduled to be held on 7/29/13. |  |
|  | 7-29-13 | S | SNTI meeting materials were sent out for the meeting being held on this date. |  |
|  | 8-1-13 | S | By email this date the meeting notes for the meeting held on 7/29/13 were sent out along with the comprehensive progress report with comments due on the report. |  |
|  | 10-2-13 | \*S | By email this date NVEnergy distributed the final Comprehensive Progress Report for PCC review and 30 day comment. |  |
|  | 11-4-13 | \*S | By email this date the PCC Chair distributed a letter granting SNTI an Accepted Rating of 4533 MW N-S and 3970 MW S-N. |  |
|  | 8-24-16 |  | Discussed in TSS this date – this project as listed |  |

| 07-12-07 | Southwestern Power Group II, LLC (SWPG) | N | SunZia Southwest Transmission Project | 2015 |
| --- | --- | --- | --- | --- |
|  |  | N | 07-27-09 By e-mail this date the TSS Chair distributed a letter indicating that the SunZia Southwest Transmission Project has achieved Phase II status and a planned rating of 3000 MW. |  |
|  |  | N | 03-30-11 By e-mail this date the PCC Chair distributed a letter indicating that the SunZia Southwest Transmission Project has achieved Phase III status with an Accepted Rating of 3000 MW. |  |
|  |  | S | 11-26-13 Upon seeing a significant amount of email traffic concerning some new studies and cases that are being performed by email this day I received the following response:  SunZia does have an Accepted Rating of 3000MW for two 500kV AC lines (approximately 500 miles in length) that went through the full WECC Three Phase Rating Process that concluded in early 2011. SunZia has also been providing regular Annual Progress Reports to WECC based on the permitting status and timing related to the Project. The Final Environmental Impact Statement (FEIS) was issued by the lead federal agency, the BLM, in June 2013 and is in the process of finalizing the Record of Decision in early 2014.  With the FEIS, a potential location for one of the interconnections in NM to the existing Path 47 proposed by SunZia at the existing Luna 345kV substation was somewhat problematic and would have required several miles of additional transmission to loop SunZia lines into the Luna substation. Due to this, SunZia is proposing to relocate the Luna interconnection to the existing Hidalgo 345kV substation, located approximately 60 miles west of Luna. It is important to note that the Phase 2 Report for SunZia also included a sensitivity to interconnect to the Hidalgo 345kV substation. The current activity related to SunZia and organizing the SunZia PRG is primarily to confirm the simultaneous interactions with Path 47 for the intermediate interconnection of SunZia to the existing Hidalgo 345kV substation. The remainder of the SunZia interconnection facilities remain unchanged (SunZia East, Willow and Pinal Central).  An issue was also raised regarding the simultaneous interaction with other WECC paths and SunZia, several of which had been included as part of the Phase 2 Study and accepted by WECC. As part of the FEIS for SunZia, a corridor of up to 1000 feet is being considered and an ultimate ROW for each circuit of 200 feet. A separation distance of 250 feet is achievable for most, if not all of the 500 miles. The PRG will also have a chance to discuss this issue and determine if any additional technical work will need to be conducted. Currently, the SunZia team has committed to conducting the 10% Flow Test on a WECC 2018 base case with the topology confirmed with the PRG members. |  |
|  |  | S | 02-06-2014 By email this date communication from Power Engineers provided 10% Test Results on the Modified SunZia Plan of Service Non-Simultaneous Transfer Capability to the Path review Group. |  |
|  |  | C | 02-07-2014 By email this date Southline provided comments for discussion at the Feb 13, 2014 PRG meeting. |  |
|  |  | S | 02-07-2014 By email this date Power Engineers accepted comments and additional discussion items for the Feb 13, 2014 PRG meeting and notice of the items posted to the Project Web Collaboration of the Power Engineers’ web site. |  |
|  |  | C | 02-13-2014 By email this date Southline submits diagram of the SunZia FEIS for discussion at the Feb 13, 2014 meeting. |  |
|  |  | S | 02-14-2014 By email this date Power Engineers provides follow up documentation as discussed at the Feb 13, 2014 meeting to the PRG. Documentation includes summary tables and related information showing potential system problems experienced in the Pre-Project case. |  |
|  |  | S | 02-19-2014 By email this date Power Engineers provides meeting minutes to the PRG from the Feb 13, 2014 meeting. |  |
|  |  | C | 02-20-2014 By email this date BPA provides Pre project case post-contingency base cases for posting on the project website |  |
|  |  | S | 02-21-2014 By email this date the cases were posted to the SunZia project website with notice provided to all PRG members:   * 2018 HS pre-project case, the post-contingency base case for the 2PV outage * 2018 HS post project case, the post-contingency base case for the 2PV outage * 2017 HS case, the post-contingency base case for the SunZia-Willow single line outage * 2017 HS case, the post-contingency base case for the SunZia-Willow double line outage |  |
|  |  | C | 02-21-2014 By email this date BPA provides comments on the cases posted on 02-21-2014. |  |
|  |  | C | 02-22-2014 through 02-24-2014 By email these dates Power Engineers and BPA engage in discussion concerning differing results on from the cases posted on 02-21-2014. |  |
|  |  | C | 02-24-2014 By email this date SMUD provides comments on the 10% Test Results on the Modified SunZia Plan of Service Non-Simultaneous Transfer Capability posted on 02-06-2014. |  |
|  |  | S | 02-25-2014 By email this date Power Engineers provides summary of stability results based on 17LW Pre- Project case and post-project case created on 02-25-2014. Detailed results posted to the project website. |  |
|  |  | C | 02-26-2014 By email this date BPA provides comments on the the 17HS case and the 17LW case results. |  |
|  |  | S | 02-26-2014 By email this date Power Engineers provides response to BPA comments from 02-26-2014. |  |
|  |  | S | 02-26-2014 By email this date Power Engineers requests CAISO to help resolve the issue regarding proper COI pick up due to G-2 loss of 2 PV. |  |
|  |  | C | 02-27-2014 By email this date Power Engineers and BPA engage in additional discussion regarding confirmation the non-simultaneous rating of the path for a specific plan of service. |  |
|  |  | C | 02-27-2014 By email this date APS provides comments regarding 2017LW and 2018HS base cases. |  |
|  |  | C | 02-27-2014 By this email Power Engineers and APS discuss issues with some of the study cases |  |
|  |  | S | 04-15-2014 By email this date Power Engineers provides for review and comments the SunZia Path Rating Re-Study Draft Report. |  |
|  |  |  | 05-08-2014 By email this date WAPA provides comment to the SunZia Path Rating Re-Study Draft Report. |  |
|  |  | C | 05-09-2014 By email this date BPA provides comments to the SunZia Path Rating Re-Study Draft Report. |  |
|  |  | C | 05-09-2014 By email this date Black Forest Partners provides comments to the SunZia Path Rating Re-Study Draft Report |  |
|  |  | S | 05-19-2014 By email this date Power Engineers provides responses to WAPA, BPA, and Black Forest Partners comments received on 05-09-2014. |  |
|  |  | S | 06-02-2014 By email this date notice of documents posted to the SunZia project website is provided. |  |
|  |  | C | 5-23-14 By email this date Eric Heredia replaced Sylvia Harwood as BPA’s representative on the PRG |  |
|  |  | S | 07-25-2014 By email this date Power Engineers provided documents for review and comments in regard to the additional study work done to address the reactive margin issue for the simultaneous Path 14 transfer and the concern over the transmission line short time thermal overload capability during the post-transient governor response in the short time frame. |  |
|  |  | S | 07-25-2014 By email this date Power Engineers provides documents for review and comments in regard to the additional study work done to address the reactive margin issue for the simultaneous Path 66 transfer and the concern over the transmission line short time thermal overload capability during the post-transient governor response in the short time frame. |  |
|  |  | S | 07-25-2014 By email this date Power Engineers provides documents for review and comments in regard to the additional study work done to address the reactive margin issue for the simultaneous Path 14 transfer and the concern over the transmission line short time thermal overload capability during the post-transient governor response in the short time frame. |  |
|  |  | S | 08-08-2014 By email this date Power Engineers provides for review and comments the final version of the SunZia Path Rating Re-Study Report |  |
|  |  | C | 08-10-2014 By email this date Southline requests information regarding methodology used in the post-transient analysis |  |
|  |  | C | 08-11-2014 By email this date BPA provides comments on the final version of the SunZia Path Rating Re-Study Report |  |
|  |  | S | 08-11-2014 By email this date Power Engineers provides responses to the BPA comments and additional switching data files. |  |
|  |  | C | 09-05-2014 By email this date Southline submitted additional comments and questions regarding the post-transient govern power-flow modeling and on voltage stability analysis. |  |
|  |  | S | 09-10-2014 by email this date the second revised Meeting #3 minutes incorporating BPA’s suggestion to change Section IV Bullets 7, 8, and 9 statements |  |
|  | 01-27-2015 | S | By email this date the PCC Chair provided a letter reconfirming the Accepted Rating of 3000 MW for the SunZia Project under its Modified Plan of Service. |  |
|  | 08-22-2016 | C | Assigned temporary bus numbers in May 2016, may still be in Phase 3 |  |

| 12-28-10 | Southline Transmission, L.L.C. | N | Southline Transmission Project | Q4-2014 |
| --- | --- | --- | --- | --- |
|  | 12-28-10 | N | By email this date Southline Transmission Project, L.L.C. initiated Phase 1 in the Project Rating Review Process for the Southline Transmission Project. The project is a proposed interstate EHV transmission project designed to create a bi-directional connection between New Mexico (El Paso region) and Arizona (Palo Verde hub outside Phoenix). Studies for the project are expected to demonstrate a non-simultaneous rating of 750-1500 MW of bi-directional transfer capability. |  |
|  | 03-05-12 | C | By email this date comments were submitted by email from Mark Etherton on this project. |  |
|  | 03-08-12 | S | By email Doug Patterson addressed comments and provided a updated CPR. |  |
|  | 03-20-12 |  | By email this date a letter distributed by the TSS Chair granted completion of Phase 1 requirements for the Southline Transmission Project. This project has achieved Phase 2 status with planned ratings outlined in the table below.   |  |  |  |  | | --- | --- | --- | --- | | ***Represented Season Conditions*** | ***Southline Project Transmission Rating Interface*** | ***Interface Description*** | ***Non-simultaneous Planned Rating*** | | 2015 Heavy Summer | East-to-West Rating Interface A | Afton-Midpoint 345 kV #1 and #2 Lines | 1038 MW | | 2015 Heavy Summer | East-to-West Rating Interface B | Apache-Adams Tap and Apache-Pantano 230 kV Lines | 1001 MW | | 2014-15 Heavy Winter | West-to-East Rating Interface C | Saguaro-Marana and Tortolita-Tucson/DMP 230 kV Lines | 418 MW | | 2014-15 Heavy Winter | West-to-East Rating Interface D | Apache-Hidalgo 345 kV Lines | 957 MW | |  |
|  | 02-10-2015 | S | By email this date the Southline Transmission Project requests PCC review the Phase 2 Report, confirm Southline has fully complied with the WECC Procedures for Project Rating Review, and grant the Southline Transmission Project Phase 3 Status. |  |
|  | 3-23-2015 | N | By email this date the Southline Transmission Project achieved Phase 3 status with the following ratings:   |  |  |  | | --- | --- | --- | | **Southline Project**  **Transmission Rating**  **Interface** | **Interface Description** | **Phase 3 Accepted Rating** | | Interface A,  East-to-West Rating | “Afton West”:  Afton-Midpoint 345 kV #1 and #2 Lines | 1037 MW | | Interface B,  East-to-West Rating | “Apache West”:  Apache-Adams Tap and  Apache-Pantano 230 kV Lines | 1000 MW | | Interface C,  West-to-East Rating | “Tortolita/Saguaro East”:  Saguaro-Marana and  Tortolita-Tucson/DMP 230 kV Lines | 430/715[[1]](#footnote-1)[1] MW | | Interface D,  West-to-East Rating | “Apache East”:  Apache-Hidalgo 345 kV Lines | 971 MW | |  |
|  | 8-24-16 |  | Discussed in TSS this date. The Apache-Saguaro/Tortolita portion of this project is still in Phase 3 and has been upgraded from 115 to 230 |  |

| 05-01-17 | Idaho Power | N | Path 14 (Idaho to Northwest) West to East Rating Increase |  |
| --- | --- | --- | --- | --- |
|  | 05-01-17 | N | By email this date Idaho Power submitted the Path 14 Path Rating Increase Phase I Comprehensive Progress Report (CPR) as a part of the WECC Expedited Rating Process. The change will be an upgrade of Path 14 West-to-East rating from a static -1200 MW to a rating that will range between -1200 MW and -1340 MW based on hydro generation output at Idaho Power’s Canyon Complex (Brownlee, Oxbow , and Hells Canyon). The CPR was drafted by Idaho Power to evaluate the impacts of adjusting the ratings to Path 14. |  |
|  | 7-26-17 | N | By email this date Idaho Power has completed the steps necessary to enter Phase 3 of the WECC Path Rating Process. After review the PCC chair granted the Path 14 Path Rating Increase Project Phase III status. |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 8-19-16 | Arizona Public Service |  | Four Corners 345/500 kV Qualified Path (path 23) UPGRADE | 12-01-17 |
|  | 8-19-16 | N | By email this date Mr. Mark Stoker initiated the Expedited Path Rating Process for Four Corners 345/500 kV Qualified Path (Path 23). The expected in-service date of the project is late December 2017. APS completed the [Path 23 Comprehensive Progress Report](https://www.wecc.biz/Reliability/NDA/Path23_CPR_071616.pdf) for this project and it is available for review on the WECC Website. |  |
|  | 6-14-17 | S | By email this date Arizona Public Service (APS)  submitted the Path 23 Path Rating Increase Phase I Comprehensive Progress Report (CPR) as a part of the WECC Expedited Rating Process. This CPR was drafted by the Four Corners Technical Takes Force and the Four Corners 525/345 kV transformer participants, formed to evaluate the impacts of the addition of a second new 525/345 kV transformer at Four Corners switch yard near Farmington, New Mexico. |  |
|  | 7-24-17 | N | By email this date the upgrade of Path 23 bi-directional rating from 1000 MW to 1420 MW has completed the steps necessary to enter Phase 3 of the WECC Path Rating Process. All comments have been addressed as a part of the Path 23 Path Rating Increase Expedited Path Rating Process, APS has requested the WECC Panning Coordination Committee grant the Path 23 Path Rating Increase Project Phase III status. After review the PCC chair granted Phase 3 status to the project. |  |

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| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| January 2013 | Tri-State G&T | N | TOT3 Wayne Child Project | December 2019 |
|  |  | N | The TOT3 Wayne Child Project increases the rating of Path 36, aka TOT 3, which is on the border between Northeast Colorado and Southeast Wyoming TSGT plans to increase the TOT3 transfer capability by an additional 163 MW. The Wayne Child project includes sectionalizing the LRS‐Keota 345‐kV line near Archer, a new 345/230‐kV transformer known as Wayne Child, and a Wayne Child – Archer 230‐kV line. |  |

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| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| 02-03-10 | Pacific Power | N | Walla Walla-McNary Transmission Project | 12/2012 |
|  |  | N | 10-09-08 By e-mail this date Pacific Power (division of PacifiCorp) requested entry into Phase I of the Project Rating Review Process for the Walla Walla-McNary Transmission Project. The project consists of a 230 kV transmission line, approximately 56 miles in length between PacifiCorp’s existing Walla Walla, Washington substation and is proposed to terminate at BPA’s McNary substation near Umatilla, OR. The project will also have a midpoint connection to PacifiCorp’s existing Wallula substation. |  |
|  |  | S | 02-03-10 By e-mail this date the TSS Chair distributed a letter granting Phase II status to the Walla Walla-McNary Transmission Project with a Planned Rating of 800 MW east to west, measured at BPA’s McNary 230 kV substation. |  |
|  |  | S | 10-19-10 By e-mail this date Pacific Power provided notice of a kick-off project review group meeting for the Walla Walla-McNary Transmission Project to be held 11/2/10 in Portland, OR. |  |
|  |  | S | 10-22-10 By e-mail this date Pacific Power distributed a list of individuals participating on the Project Review Group. A draft Phase II study report was also posted for review as well as base cases with and without the subject project included. |  |
|  |  | S | 11-10-10 By e-mail this date Pacific Power distributed final meeting notes for the 11/2/10 project review group meeting and requested comments on the draft study report and base cases that were posted for review. |  |
|  |  | C | 11-10-10 By e-mail this date BPA provided a list of changes to be made to the base cases that were posted for review. |  |
|  |  | S | 12-23-10 By e-mail this date Pacific Power asked for any additional changes to the base cases posted for review and noted that the next PRG meeting teleconference is scheduled for 1-26-11. |  |
|  |  | S | 01-31-11 By e-mail this date Pacific Power distributed a copy of the 01-26-11 meeting minutes and requested that PRG members review the draft study report and base cases. |  |
|  |  | S | 03-14-11 By e-mail this date the finalized meeting minutes from the 01-26-11 meeting were distributed and Pacific Power posted three additional pre-project base cases for study use. It was also noted that the next PRG teleconference is scheduled for 04-13-11. |  |
|  |  | S | 04-18-11 By e-mail this date Pacific Power distributed a final version of the meeting notes from the 04-13-11 PRG meeting. The next PRG teleconference is scheduled for 05-11-11. |  |
|  |  | S | 05-17-11 By e-mail this date Pacific Power provided meeting notes from the PRG meeting of 05-11-11. |  |
|  |  | C | 05-17-11 By e-mail this date BPA provided comments to the pre-project base case to be used for study work and requested that N-0 overloads be remedied and the case re-posted. |  |
|  |  | C | 1/13/2012 By e-mail discussion of some simulation issues that they have run into an indication that they have been resolved. Planning the next face to face meeting on a date to be determined. |  |
|  |  | S | 03-29-12 By email this date study results were posted to the projects FTP site for informal comments. A PRG meeting is scheduled for May 1-2, 2012. |  |
|  |  | S | 11-1-13 By email this date a meeting invitation was sent for a meeting to be held on April 24, 2014 for this project. They are looking to restart this process for this project |  |
|  | 4-28-14 |  | By email this date notes from the previous week’s meeting (PRG #9) were sent out |  |
|  | 5-27-14 |  | By email this date the PRG was notified that Abebe Masho (BPA) was replacing Sylvia Wiggerhaus on the PRG |  |
|  | 10-15-14 |  | The Walla Walla – McNary Project was granted Phase 2 path rating status on February 3, 2010 with a planned path rating of 800 MW east-to-west, measured at Bonneville Power Administration’s (BPA) McNary substation. The Project, as originally conceived, consisted of a single-circuit 230 kV line from PacifiCorp’s Walla Walla substation to Wallula substation and then continuing on to the McNary substation, with substation facility additions at these three substations.  Due to a significant reduction in the committed wind resources since the Project’s inception, PacifiCorp has decided to remove the overall Walla Walla – McNary Transmission Project from the WECC Path Rating Process. Although we will no longer be seeking an Accepted Rating for the Project by using WECC established processes, project coordination will continue with the currently established Project Review Group in order to develop a TTC limit with only the Wallula – McNary 230 kV #2 line added. |  |
|  | 08-24-2016 | C | Discussed in TSS this date. This Project is in Phase 3. We need more documentation. |  |

| 02-03-10 | TransWest Express LLC | N | TransWest Express Project | 12/2014 |
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|  |  | N | 01-11-08 By e-mail this date National Grid requested entry into Phase I of the Project Rating Review Process for the TransWest Express Project. This project consists of a bi-pole +/- 500 kV DC transmission line approximately 900 miles in length originating in the Powder River Basin of northeastern Wyoming and terminating in Market Place substation in southern Nevada. This line will be capable of delivering up to 3000 MW of resources to growing markets in the DSW. National Grid also solicited interest in forming a joint Phase I Rating Study Team by 02/10/08. |  |
|  |  | S | 02-03-10 By e-mail this date the TSS chair distributed a letter indicating that the TransWest Express Project has achieved Phase II status for a planned rating of 3000 MW delivered to the southern terminal of the project. The planned in-service date is December 2014. |  |
|  |  | S | 04-06-10 By e-mail this date TWE distributed notice of a meeting/webinar to be held on 04-08-10 to initiate activities of the TWE Phase II PRG. |  |
|  |  | S | 04-08-10 The Phase II PRG kick-off webinar was held this date. |  |
|  |  | S | 05-09-10 By e-mail this date TWE distributed draft #1 of the Phase II study plan to the PRG members for comment. |  |
|  |  | C | 06-15-10 By e-mail this date LDWP submitted a list of four comments to the draft Phase II study plan for the TWE Project. |  |
|  |  | S | 06-25-10 By e-mail this date TWE distributed rev. 2 of the Phase II study plan to the PRG members for comment. |  |
|  |  | S | 06-30-10 A Phase II PRG webinar was held this date. |  |
|  |  | S | 07-16-10 By e-mail this date TWE distributed a 2015 build-out base case to PRG members for comment. |  |
|  |  | S | 12-20-10 By e-mail this date TWE distributed a final version of the TWE Commercial Operation base case to PRG members which includes all comments that were received. |  |
|  |  | S | 01-14-11 By e-mail this date TWE distributed the TWE Commercial Operation base case (Rev.1) and the Pre-Project case (Rev.1) to the PRG for their review. |  |
|  |  | S | 01-27-11 By e-mail this date TWE provided notice of a PRG webinar scheduled for 02-01-11 with the purpose of discussing the Phase II study plan and base cases. |  |
|  |  | S | 02-11-11 By e-mail this date TWE distributed to the PRG Rev.4 of the TWE Phase II study plan that was approved by the PRG during the 02-01-11. |  |
|  |  | S | 02-22-11 By e-mail this date TWE distributed the final notes from the PRG webinar of 02-01-11. These notes document approval of the TWE Phase II study plan as well as approval of the TWE Commercial Operation base case |  |
|  |  | S | 06-15-11 By e-mail this date TWE distributed preliminary post-transient power flow results for the TWE Commercial Operation non-simultaneous case to the PRG for their review. |  |
|  |  | C | 06-16-11 By e-mail this date PacifiCorp requested additional information regarding the TWE study results provided on 06-15-11. |  |
|  |  | S | 06-16-11 By e-mail this date TWE responded to PacifiCorp’s questions from the same date and stated that the study results in question are preliminary and further analysis is still required. |  |
|  |  | S | 01-23-2012 By email TWE indicated it is working diligently on revisions to their Phase 2 study plan to address the some identified issues. They expect to distribute a revised TWE Phase 2 study plan. |  |
|  |  | S | 3-12-12 By email TWE indicated that comments on the study plan were due on March 24. |  |
|  |  | S | 11-27-12 By email TWE distributed the path 27, 81, and 35 simultaneous study cases to the PRG. |  |
|  |  | C | 11-23-12 By email this date BPA provided comments concerning the phase 2 studies being conducted. The email outlines concerns about changes to the plan of service from the phase 1 studies. |  |
|  |  | C | 02-11-2013 By email this date TWE reminded the Project Review Group that comments are due on the study cases by February 15. |  |
|  |  | C | 02-18-2013 By email this date TWE indicated that they had only received comments from two PRG members and wanted to verify there were no further comments. |  |
|  |  | S | 4-18-2013 By email this date TWE distributed study cases to the PRG for review for interactions with Path 81 |  |
|  |  | S | 4-22-13 By email this date TWE distributed study cases to the PRG for review for interactions with Path 27. |  |
|  |  | C | 07-1-2013 By email this date a reminder was sent out that comments are due on the simultaneous study case for paths 35/78/79 along with a zip file containing the case. That request also included a number of adjustments that had been made to the case. |  |
|  |  | C | 7-24-2013 By email this date TWE distributed a revised study plan and highlighted some of the progress. |  |
|  | 02-16-2016 | N | 2-16-16 By email this date the TransWest Express (TWE) Project has completed the steps necessary to enter Phase 2B of the WECC Path Rating Process:  The Phase 2 study plan was approved with minor changes by the project review group (PRG) during a webinar on December 18, 2015. The final approved study plan was distributed to the PRG on January 21, 2016.  During the December 18, 2015 webinar the PRG also reviewed a Non-Simultaneous base case and a Path 35 Simultaneous case, which is defined as the Foundational Base Case in the study plan. The PRG approved these cases with minor changes and a commitment by TransWest to work with CAISO and other interested PRG members to increase imports into Southern California. Following the webinar, TransWest consulted with CAISO, SCE, LADWP, APS and SRP to redispatch generation to increase flows into Southern California on Paths 26, 46 and 49.  The modified Non-Simultaneous and Path 35 Simultaneous cases were distributed to the PRG on January 21, 2016 and January 22, 2016 respectively, with a note that these cases would be considered as approved if no comments were received by January 29. Comments were received from WAPA requesting some local topology changes. These changes will be added to the cases. Since no other comments have been received, TransWest considers these cases to have been approved by the PRG.  Having completed the steps above, TransWest has achieved Phase 2B as of February 4, 2016. |  |
|  | 10-30-17 |  | By email this date feedback was requested again on the email sent 8-27-17 by Transwest. This email included Transwest’s submittal of the Phase 2 report for stage 1 of this project and the request that the project be accepted into Phase 3 of the Path Rating Process with an accepted Rating of 1500 MW North to South. This feedback was requested again due to the suspension of the PCC and the RACs subsequent assumption of duties related to the Path Rating Process. |  |
|  | 11/14/17 |  | By email this date TransWest Express LLC has completed the WECC Path Rating Process requirements for TransWest Express Stage 1 to obtain Phase 3 status. The TransWest Express Stage 1 is a ±600 kV, line commutated, bi-pole high voltage direct current transmission line with a capacity of up to 1,500 MW that will extend from south central Wyoming to southeastern Nevada.  On August 25, 2017, TransWest Express LLC submitted the TransWest Express Stage 1 Phase 2 Project Review Group study report as a part of the WECC Project Coordination, Path Rating and Progress Report Processes. All comments have been addressed and TransWest Express LLC has requested the WECC Reliability Assessment Committee (RAC) grant the TransWest Express Project Stage 1 Phase 3 status.  Therefore, in accordance with the WECC Project Coordination, Path Rating and Progress Report Processes, the TransWest Express Stage 1 project is hereby granted Phase 3, Accepted Rating status as a ±600 kV, line commutated, bi-pole high voltage direct current with a capacity of up to 1,500 MW.  Should you have any questions, or need additional information, please contact David Smith at [David.Smith@tac-denver.com](mailto:David.Smith@tac-denver.com). |  |

# Path Rating Process – Phase 3 Pending and Inactive

Projects listed as Phase 3 in the 2017 Path Rating Catalog that are waiting for project completing or have not reported activity for 18 or more months.

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| 01-05-11 | PacifiCorp  (PACE) | N | Gateway West – Aeolus West, Bridger/Anticline West and Path C Projects |  |
|  |  | S | 02-06-09 By e-mail this date the TSS chair distributed a letter indicating that the Gateway West Transmission Project has achieved Phase II status for planned rating increases of the following paths; TOT 4A, Bridger West, and Borah West to 3435 MW, 5200 MW, and 5557 MW, respectively, and two new paths created with this project; West of Aeolus (2050 MW) and Midpoint West (5487 MW). |  |
|  |  | N | 01-05-11 By e-mail this date the PCC Chair distributed a letter indicating that the Gateway West-Aeolus West (2670 MW east to west), Bridger/Anticline West (4100 MW east to west) and Path C (2250 MW bi-directional north/south) Projects have achieved Phase III status with the indicated Accepted Ratings. |  |
|  | 08-24-2016 | C | In TSS this update was given - still in Phase 3, no change in service plan, working on permits |  |

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| 12-16-10 | PacifiCorp  (PACE) | N | Gateway South – Aeolus South Project |  |
|  |  | S | 02-06-09 By e-mail this date the TSS chair distributed a letter indicating that the Gateway South Project has achieved Phase II status for a planned rating of 3000 MW N-S on the South of Aeolus path, 2400 MW N-S and 790 MW S-N on the Mona South path, and would increase the TOT 2C transfer capability from 300 MW to 2100 MW N-S and from 300 MW to 1700 MW S-N. |  |
|  |  | N | 12-16-10 By e-mail this date the PCC Chair distributed a letter indicating that the Gateway South-Aeolus South Project has achieved Phase III status with an Accepted Rating of 1700 MW north to south. |  |
|  | 08-24-2016 | C | In TSS this update was given - still in Phase 3, no change in service plan, working on permits |  |

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| 01-11-08 | PacifiCorp  (PACE) | N | Gateway South – TOT 2B/2C Project |  |
|  |  | N | 01-11-08 By e-mail this date National Grid requested entry into Phase I of the Project Rating Review Process for a two-segment project called the Gateway South Project. The first segment of this project consists of a 330 mile single-circuit 500 kV AC transmission line from Mona substation in Utah to Crystal substation near Las Vegas, NV. This line is planned to have a bidirectional rating of up to 1500 MW. The second segment of this project is a 400 mile double-circuit 500 kV AC transmission line from a new substation, Aeolus, in southeastern Wyoming to Mona substation in Utah. This line will be capable of delivering up to 3000 MW of resources to growing markets in Utah and the DSW. National Grid also solicited interest in forming a joint Phase I Rating Study Team by 02/10/08. |  |
|  |  | N | 06-21-11 By e-mail this date the PCC Chair distributed a letter granting Phase III status and an Accepted Rating to the Gateway South - TOT 2B/2C Project. It was recognized that issues brought up by LDWP are still outstanding but as these issues are operational in nature, they are to be addressed by LDWP and PacifiCorp during Phase III of this project. |  |
|  |  | N | 03-06-12 By e-mail this date Craig Quist distributed a letter stating that all facilities associated with this project are in-service. The accepted path rating are in the table below:   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  | TOT 2B1 | | TOT 2B2 | | TOT 2C | | |  | N-S | S-N | N-S | S-N | N-S | S-N | | 2011 | 600 | 600 | 265 | 300 | 400 | 580 | |  |
|  | 08-24-2016 | C | In TSS this update was given - still in Phase 3, no change in service plan, working on permits |  |

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| 12-14-10 | PacifiCorp  (PACE) | N | Gateway West – TOT 4A Project |  |
|  |  | S | 02-06-09 By e-mail this date the TSS chair distributed a letter indicating that the Gateway West Transmission Project has achieved Phase II status for planned rating increases of the following paths; TOT 4A, Bridger West, and Borah West to 3435 MW, 5200 MW, and 5557 MW, respectively, and two new paths created with this project; West of Aeolus (2050 MW) and Midpoint West (5487 MW). |  |
|  |  | N | 12-14-10 By e-mail this date the PCC Chair distributed a letter indicating that the Gateway West-TOT 4A Project has achieved Phase III status with an Accepted Rating of 2175 MW north to south. |  |
|  | 08-24-2016 | C | In TSS this update was given - still in Phase 3, no change in service plan, working on permits |  |

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| 12-14-10 | PacifiCorp  (PACE) | N | Gateway West – Borah West, Midpoint West & Bridger 2400 MW Upgrade Projects |  |
| Complete |  | N | 02-06-09 By e-mail this date the TSS chair distributed a letter indicating that the Gateway West Transmission Project has achieved Phase II status for planned rating increases of the following paths; TOT 4A, Bridger West, and Borah West to 3435 MW, 5200 MW, and 5557 MW, respectively, and two new paths created with this project; West of Aeolus (2050 MW) and Midpoint West (5487 MW). |  |
|  |  | N | 07-21-11 By e-mail this date the PCC Chair distributed a letter granting Phase III status to the Gateway West – Borah West, Midpoint West, and Bridger 2400 MW Upgrade Projects with the following Accepted Ratings: Borah West (4450 MW E-W), Midpoint West (4400 MW E-W) and Bridger West (2400 MW E-W). |  |
|  |  | N | 03-05-12 By e-mail this date Orlando A Ciniglio distributed a letter indicating that the Bridger West portion of this project has completed Phase III with the following Accepted Rating: Bridger West (2400 MW E-W). |  |
|  | 08-24-2016 | C | In TSS this update was given - still in Phase 3, no change in service plan, working on permits |  |

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| 01-2013 | Idaho Power Company (IPC | N | TotBeast with Hemingway – Boardman 500 kV |  |
|  | 08-24-2016 | C | In TSS this update was given - still in Phase 3, no change in service plan, working on permits |  |

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| 02-27-08 | Idaho Power Company (IPC) | N | Hemingway to Boardman Transmission Project | 2018 |
|  |  | N | 02-27-08 By e-mail this date Idaho Power Company requested entry into Phase I of the Project Rating Review Process for the Hemingway to Boardman Transmission Project. The proposed project is a single circuit 500 kV transmission line starting at a proposed substation located southwest of Boise named Hemingway and ending at Boardman Substation. The line is approximately 230 miles long and will be rated at 1000 MW bi-directional. |  |
|  |  | S | 11-28-12 By e-mail this date the PCC Chair distributed a letter indicating that the Hemingway-Boardman 500 kV Project has achieved Phase III status and a planned rating of 2250 MW west to east and 3400 MW east to west. |  |
|  | 08-24-2016 | C | In TSS this update was given - still in Phase 3, no change in service plan, working on permits |  |

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| 02-14-07 | Tri-State G&T, Inc. (TSGT) | N | TOT3 Archer Interconnection Project (previously known as TOT3 300 MW Upgrade Project) | 2013 |
|  |  | N | 02-27-07 By e-mail this date Basin Electric Power Cooperative (BEPC) distributed a Comprehensive Progress Report requesting the initiation of the Project Rating Review Process for the TOT3 300 MW Upgrade Project. The project is expected to be completed in two stages, with the first stage resulting in a 200 MW rating increase and the second stage in a 100 MW rating increase on TOT3. A request was also made for interest in participation in a Project Review Group. |  |
|  |  | N | 11-16-12 By email the PCC Chair provided a letter granting Phase III status with an Accepted Rating of 1843 MW north to south. |  |

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| 3-1-2016 | PacifiCorp | N | Path 78 TOT 2B1 Path Rating Increase |  |
|  |  | N | PacifiCorp submitted the Path 78 (TOT 2B1) Path Rating Increase Phase I Comprehensive Progress Report (CPR) as a part of the WECC Expedited Rating Process. This CPR was drafted by the WECC Path 78 (TOT 2B1) Technical Study Group[[2]](#footnote-2)[1] which was formed to evaluate the impacts of the addition of a third new 345 kV, 400 MVA phase shifter at Pinto on the Pinto – Four Corners 345 kV line. Adding a new phase shifter at Pinto increased the TOT 2B1 path rating in both directions. |  |
|  | 6-2-2016 | N | By email this date All comments have been addressed as a part of the Path 78 (TOT 2B1) Path Rating Increase Expedited Path Rating Process, PacifiCorp has requested the WECC Panning Coordination Committee grant the Path 78 (TOT 2B1) Path Rating Increase Project Phase III status.  Therefore, in accordance with the WECC Three Phase Project Rating Process, the upgraded Path 78 (TOT 2B)  transmission path is hereby granted Phase 3 status with a northbound Accepted Rating of 700 MW and southbound Accepted Rating of 647 MW. The previous rating on the Path 78 (TOT 2B)  transmission path was 600 MW bi-directional. |  |

1. [1] Higher rating value is associated with Western’s potential Tucson-Oracle 115 kV line re-conductor project. [↑](#footnote-ref-1)
2. [1] PacifiCorp, Arizona Public Service Electric Company, NV Energy, Public Service Company of New Mexico, Los Angeles Department of Water and Power, Western Area Power Administration – Rocky Mountain Region, Public Service Company of Colorado, Deseret Power, Tri–State Generation & Transmission Association, Utah Associated Municipal Power Systems [↑](#footnote-ref-2)