

Path Rating Process Logbook

Revision Date: August 5, 2024

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# 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.

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 10-24-12 | Lucky Corridor, LLC |  | **Lucky Corridor 230 kV project** |  |
| 5-13-12 |  | N | By email this date 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 |  |
| 2-11-21 |  | C | Project support team was contacted, project is still being considered |  |
| 3-18-21 |  | C | By email this date Chris Koty informed WECC staff that Ameren Transmission Company of Illinois has taken over the Lucky Corridor Project. Chris is the new primary contact for the project. His email is CKoty@ameren.com.  |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 02-25-21 | SCE |  | **Path 60 Uprate** | 11-2021 |
| 02-25-21 |  | N | By email this date Southern California Edison (SCE) initiated the Expedited Path Rating Process for WECC Path 60, the Inyo – Control 115‐kV Tie, which is in accordance with the WECC Project Coordination Path Rating Process, dated September 2020. This “Expedited” rating process is intended to increase Path 60 non‐ simultaneous accepted rating from 56 MVA to 80 MVA normal rating and 88 MVA emergency rating. The path consists of a 2.86‐mile long 115 kV transmission line between Inyo and Control 115 kV Substations and serves as an interconnection between the SCE and Los Angeles Departments of Water and Power. If you have any comments or concerns for SCE initiating the expedited process for Path 60, please contact the following project representative(s) by March 4, 2021 Armando Salazar at Armando.salazar@sce.com  (714) 934‐0819 or David Franklin at david.franklin@sce.com  (909) 274‐1628. |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 04-12-24 | Avista and BPA |  | **Path 6 (WOH)** |  |
| 02-09-24 |  | N | By email this date Avista and Bonneville Power Administration (BPA) requested a 60 day review as part of the Expedited Process for the West of Hatwai (WOH) Path 6.  WOH currently has a rating east to west of 4,277 MW, established in 2005, since that time changes have occurred including various transmission system reinforcements, transmission system reconfigurations, changes to generation resources and changes to reliability study criteria. WOH owners performed a study of Path 6 utilizing the process documented in Section 5 of the Path Rating Process to determine a new east to west path rating of Path 6. The new proposed path rating for Path 6 is 4,800 MW east to west. |  |

# 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.

# 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.

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 9-16-09 | TransCanada Corp. | N | **Zephyr 500 kV HVDC Transmission Line Project** | 9-16-09 |
| 9-16-09 |  | N | By email 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.  |  |
| 9-17-09 |  | C | By email this date Basin Electric Power Coop (BEPC) submitted a list of questions concerning the Zephyr Project. |  |
| 8-26-16 |  | C | Discussed in TSS this date. This project is in Active Phase 1 |  |
| 5-20-21 |  | C | By email this date John Dunn of TC Energy (formerly TransCanada) reported the project is held by DATC as of now. WECC staff is seeking a contact at DATC to follow up. |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 10-21-21 | PG&E | N | **Round Mountain and Table Mountain Series Capacitor RAS Project (Path 66)** | 10-21-21 |
|  |  | N | By email this date Pacific Gas and Electric (PG&E) initiated the Path Rating Process for the Round Mountain and Table Mountain Series Capacitor RAS Project. It is an addition to the existing Path 66 RAS that will potentially enable additional transfer capability on Path 66 into California. The RAS will consist of the following scheme:Upon tripping of one of the Round Mountain to Table Mountain 500 kV lines (either #1 or #2), if an overload is observed on the remaining 500 kV line, the RAS will bypass one or more of the series capacitors on the remaining line to relieve the observed overload.Should you have any question or Comments please send them to Sophie Xu (Sophie.xu@pge.com) if you would like to be involved in the Advisory Group (AG), please send the attached request form to Sophie Xu and copy Peter Mackin (peter.mackin@gridbright.com). |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 04-18-24 | ZGlobal and IID |  | **Path 42 Rating Increase 1,115 MW to 1,400 MW** |  |
| 04-18-24 |  | N | By email this date Zglobal Power Engineering on behalf of IID initiated the Path Rating Process for Path 42 Rating Increase from 1,115 to 1,400 MW. The study plan describes how this increased path rating will result from an additional line to be constructed between IID Ramon 230 kV and SCE Mirage 230 kV substations. The new line and path rating are expected to be in-service by 2026. |  |

# 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.

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
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# 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.

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 12-4-18 | SDG&E | N | **Path 46 HVDC Uprate Project** | 12-4-18 |
|  |  | N | San Diego Gas & Electric (SDG&E) is proposing a HVDC transmission line which will utilize the existing Southwest Powerlink (SWPL) Right of Way from North Gila to Imperial Valley to Miguel. This new HVDC line includes construction of approximately 120 miles, 425 kV, three (3) terminal, bipolar, double circuit, direct current (DC) transmission line with metallic return between the existing 500 kV bus at North Gila substation, the 500 kV bus at the Imperial Valley substation and the 230 kV bus at the Miguel substation (the HVDC Project), with a rating of 3000 MW. The HVDC line will replace the existing 500 kV line that runs from North Gila to Imperial Valley to East County (ECO) to Miguel. Part of the AC line which this HVDC Project replaces, North Gila-Imperial Valley 500 kV, is one of the transmission lines which comprise the WECC Path 46 (WOR). Accordingly, the HVDC will become part of the WOR Path and it is expected to provide significant increase in transmission capacity on Path 46 between Arizona and southern California. The proposed Project is expected to have a maxim transfer capability of 3,000 MW and would increase the non-simultaneous rating of Path 46 by 2,100 MW from 11,200 MW to 13,300 MW.12-4-18 By email this date, San Diego requested the 60-day comment period for Phase 2A status. The phase 1 [Comprehensive Progress report](https://www.wecc.biz/Reliability/CPR-WOR-P46-SDGE-HVDC-2018-11-29.pdf) can be found on the WECC website. If you have any comments/questions or would like to be a part of the PRG please contact David Wang (DWang@semprautilities.com) and Robert Jackson (rwjackson@burnsmcd.com) by Monday February 4, 2019. |  |
| 2-7-19 |  | S | By email this date, SDG&E requested a change in the path rating status of this project to 2A. The HVDC Uprate Project Comprehensive Progress Report (CPR) was distributed to the Reliability Assessment Committee (RAC) and Studies Subcommittee (StS) members on December 4th, 2018 starting the 60-day review period.Following this review period, which ended on February 4th, 2019 SDGE indicated that they have received 2 comments. Both of these comments were related to the relative positions of other projects currently in the WECC Path Rating Process. If necessary, SDG&E has committed to work with these parties to address any issues related to these two projects during Phase 2 of the WECC Path Rating Process. Therefore, the Path 46 Uprate project is now in Phase 2A of the WECC Path Rating Process |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 10-16-18 | DCR Transmission, LLC | N | **Ten West Link (TWL) Transmission Project** | 10-16-18 |
|  |  | N | DCR Transmission, LLC (DCR Transmission) is developing the Ten West Link (TWL) Transmission Project, an EHV transmission infrastructure project that connects the Delaney 500 kV substation in Arizona with the Colorado River 500 kV substation in California via a 114 to 130-mile long series compensated transmission line. The anticipated in-service date for TWL is May 2021.By email this date, Ten West requested the 60-day comment period for Phase 2A status. |  |
| 5-20-21 |  | C | In StS on this date an update was provided. They are still meeting, still working on Phase 2. The Foundational Study case should be ready for PRG review in June. |  |
| 3-07-22 |  | C | By email this date Ten West Link Project was granted Phase 2a status. The Ten West Link Project Comprehensive Progress Report was distributed to the Reliability Assessment Committee and the Studies Subcommittee members on October 16, 2018. During the comment period some comments on the CPR were received and these comments were addressed either by revising the CPR or agreeing to address these comments in Phase 2 of the Path Rating Process. With these comments being addressed, the Ten West Link Project was granted Phase 2A status of the WECC path Rating Process. |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 06-24-22 | PG&E | N | **Path 15 Midway – Los Banos (North to South) Re-Rating Project** | 03-23-21 |
|  |  | C | Previous updates for this project can be found in the section entitled “Paths that have Expressed Interest in Re-Rating Due to the Changes in the Reliability Criteria Requirements” in this document |  |
|  |  | N | Pacific Gas and Electric Company (PG&E) has completed the Phase 2A requirements for Path 15 Midway – Los Banos (North to South) Re-Rating Project and is requesting Phase 2A status. The Comprehensive Progress Report was sent out on January 6, 2022 for the 60 day review and all comments were addressed, therefore Path 15, Midway – Los Banos (North to South) Re-Rating Project is now in Phase 2A of the WECC Path Rating Process.

|  |  |  |
| --- | --- | --- |
|  | Existing Rating | Proposed Rating |
| [Path 15 - Midway – Los Banos](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.wecc.org%2FReliability%2FNDA%2FPath%252015%2520Rerate.zip&data=05%7C01%7Cnhatton%40wecc.org%7Ca9246a4383ac49281bb308da55f95eab%7Cfd6f305dc9294e109d462e7058aae5e6%7C0%7C0%7C637916826788041401%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=0Tn35mBEcR0EnivAaF1JHw7V6NR6jLbAWgF6GdKkk64%3D&reserved=0) | 2,000 - 3,265 MW North to South | 3,700 MW - 4,600 MW North to South |

PG&E  has completed the Phase 2B requirements for Path 15 and is requesting Phase 2B status. PG&E developed a Study Plan and the foundational base cases, which incorporated all input from the Project Review Group and was finalized and approved by the PRG on June 8, 2022. By email June 24, 2022, with the approval of the Study Plan and the foundational base cases, Path 15 Midway – Los Banos (North to South) Re-Rating Project is now in Phase 2B of the WECC Path Rating Process. If you have any questions/comments please send them to Marco Rios (m1r9@pge.com)  |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 06-24-22 | WAPA | N | **Path 66 COI (North to South) Re-Rating Project** | 03-23-21 |
|  |  | C | Previous updates for this project can be found in the section entitled “Paths that have Expressed Interest in Re-Rating Due to the Changes in the Reliability Criteria Requirements” in this document |  |
|  |  | N | Western Area Power Administration (WAPA) has completed the Phase 2A requirements for Path 66 COI (North to South) Re-Rating Project and is requesting Phase 2A status. The Comprehensive Progress Report was sent out on January 6, 2022 for the 60 day review and no comments were received, therefore Path 66 COI (North to South) Re-Rating Project is now in Phase 2A of the WECC Path Rating Process.

|  |  |  |
| --- | --- | --- |
|  | Existing Rating | Proposed Rating |
| [Path 66 – California Oregon Intertie (COI)](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.wecc.org%2FReliability%2FNDA%2FCOI%2520(Path%252066)%2520Rerate%2520CPR.zip&data=05%7C01%7Cnhatton%40wecc.org%7C79c6242fa8ea4b0faec408da56064510%7Cfd6f305dc9294e109d462e7058aae5e6%7C0%7C0%7C637916882200320776%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=L%2FBvRwQ9FbJZ%2FE%2F5Q4Hkc4jsft6SZkkk4M4EAZ6R84U%3D&reserved=0) | 4,800 MW North to South | 5,100 MW North to South |

WAPA has completed the Phase 2B requirements for Path 66 and is requesting Phase 2B status. WAPA developed a Study Plan and the foundational base cases, which incorporated all input from the Project Review Group and was finalized and approved by the PRG on June 6, 2022. By email June 24, 2022, with the approval of the Study Plan and the foundational base cases, Path 66 COI (North to South) Re-Rating Project is now in Phase 2B of the WECC Path Rating Process. If you have any questions/comments please send them to Gary Farmer (Farmer@WAPA.gov) and Christina Lee (callee@bpa.gov). |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 04-26-24 | El Rio Sol Transmission |  | **Rio Sol Transmission Project (SunZia line 2)** |  |
| 04-26-24 |  | N | By email this date El Rio Sol Transmission, LLC, initiated the Path Rating Process and requested a 60 day comment period for Phase 2A status. The [Phase 1 Comprehensive Progress](https://www.wecc.org/Reliability/NDA/TransCo_RioSol_CPR_4-15-2024_w-plots_toWECC.pdf?Web=1) report can be found on the WECC websiteThe proposed path rating for Rio Sol Transmission Project with an East to West Rating of 1,600 MW.  The first line of the original 2 lines of the SunZia (line 1) is currently under Construction as a 500 kV DC transmission line with an accepted Rating of 3,000, MW the second circuit of SunZia (line 2) is now referred to as RioSol, with a rating of 1,600 MW East to West.  |  |
| 07-29-24 |  |  | By email this date El Rio Sol Transmission, LLC has completed the Phase 1 requirements for the RioSol Transmission Project and is requesting Phase 2A status. The [RioSol Transmission Project Comprehensive Progress Report](https://www.wecc.org/Reliability/NDA/TransCo_RioSol_CPR_4-15-2024_w-plots_toWECC.pdf?Web=1) was distributed to the Reliability Assessment Committee and the Studies Subcommittee members on April 26, 2024.During the 60 day comment period no comments on the CPR were received, with no comments being submitted, the RioSol Transmission Project is now granted Phase 2A status of the WECC path Rating Process. |  |

# Path Rating Process—Phase 2 Inactive Projects

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.

# 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.

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 8-3-13 | Arizona Public Service (APS) | N | **Hassayampa-N. Gila #2 (HANG2) Transmission Project (Path 49)** | 6-2015 |
| 8-3-13 |  | 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. |  |
| 1-23-14 |  | N | By email the TSS chair granted HANG2: Hassayampa-N. Gila #2 Transmission Project (Path 49 Upgrade) phase 2 status. |  |
| 4-29-14 |  | S | By email this date APS provides for approval the HANG2 study plan. |  |
| 5-2-14 |  | S | By email this date APS provides a revised HANG2 study plan for approval that incorporated additional comments from WAPA and SDGE. |  |
| 10-24-14 |  | S | By email this date APS holds fourth conference call for PRG on the HANG2 Phase 2 study efforts. |  |
| 12-18-14 |  | 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. |  |
| 1-23-15 |  | 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. |  |
| 3-24-15 |  | S | By email this date the HANG2 Project Review Group approved the phase 2 technical report. APS requested Phase 3 status. |  |
| 3-26-15 |  | N | By email this date Phase 3 status request email was sent out |  |
| 5-4-15 |  | 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  |  |
| 8-24-16 |  | N | In TSS this project was updated to complete except last leg (AKA Phase 2) which would be in service in 2021.  |  |
| 8-4-17 |  | 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 |  |
| 02-01-21 |  |  | Update was submitted for 2021 Path Rating Catalog |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 12-28-10 | Southline Transmission, L.L.C. | N | **Southline Transmission Project** | Q4-14 |
| 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. |  |
| 3-5-12 |  | C | By email this date comments were submitted by email from Mark Etherton on this project. |  |
| 3-8-12 |  | S | By email Doug Patterson addressed comments and provided an updated CPR. |  |
| 3-20-12 |  |  | 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 |

 |  |
| 2-10-15 |  | 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. |  |
| 3-23-15 |  | N | By email this date the Southline Transmission Project achieved Phase 3 status with the following ratings:

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| **Southline Project****Transmission Rating****Interface** | **Interface Description** | **Phase 3AcceptedRating** |
| 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 andApache-Pantano 230 kV Lines | 1000 MW |
| Interface C, West-to-East Rating | “Tortolita/Saguaro East”:Saguaro-Marana andTortolita-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 |

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| 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 |  |
| 02-01-21 |  | C | Update was submitted for 2021 Path Rating Catalog |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
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| 2-3-10 | TransWest Express LLC | N | **TransWest Express Project** | 12-2014 |
| 1-11-08 |  | N | By email 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. |  |
| 2-3-10 |  | S | By email 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. |  |
| 4-6-10 |  | S | By email this date TWE distributed notice of a meeting/webinar to be held on 4-8-10 to initiate activities of the TWE Phase II PRG. |  |
| 4-8-10 |  | S | The Phase II PRG kick-off webinar was held this date. |  |
| 5-9-10 |  | S | By email this date TWE distributed draft #1 of the Phase II study plan to the PRG members for comment. |  |
| 6-15-10 |  | C | By email this date LDWP submitted a list of four comments to the draft Phase II study plan for the TWE Project. |  |
| 6-25-10 |  | S | By email this date TWE distributed rev. 2 of the Phase II study plan to the PRG members for comment. |  |
| 6-30-10 |  | S | A Phase II PRG webinar was held this date. |  |
| 7-16-10 |  | S | By email this date TWE distributed a 2015 build-out base case to PRG members for comment. |  |
| 12-20-10 |  | S | By email this date TWE distributed a final version of the TWE Commercial Operation base case to PRG members which includes all comments that were received. |  |
| 1-14-11 |  | S | By email 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. |  |
| 1-27-11 |  | S | By email this date TWE provided notice of a PRG webinar scheduled for 2-1-11 with the purpose of discussing the Phase II study plan and base cases. |  |
| 2-11-11 |  | S | By email this date TWE distributed to the PRG Rev.4 of the TWE Phase II study plan that was approved by the PRG during the 2-1-11. |  |
| 2-22-11 |  | S | By email this date TWE distributed the final notes from the PRG webinar of 2-1-11. These notes document approval of the TWE Phase II study plan as well as approval of the TWE Commercial Operation base case |  |
| 6-15-11 |  | S | By email this date TWE distributed preliminary post-transient power flow results for the TWE Commercial Operation non-simultaneous case to the PRG for their review. |  |
| 6-16-11 |  | C | By email this date PacifiCorp requested additional information regarding the TWE study results provided on 6-15-11. |  |
| 6-16-11 |  | S | By email 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. |  |
| 1-23-12 |  | S | 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. |  |
| 3-12-12 |  | S | By email TWE indicated that comments on the study plan were due on March 24. |  |
| 11-27-12 |  | S | By email TWE distributed the path 27, 81, and 35 simultaneous study cases to the PRG. |  |
| 11-23-12 |  | C | 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.  |  |
| 2-11-13 |  | C | By email this date TWE reminded the Project Review Group that comments are due on the study cases by February 15. |  |
| 2-18-13 |  | C | 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.  |  |
| 4-18-13 |  | S | By email this date TWE distributed study cases to the PRG for review for interactions with Path 81 |  |
| 4-22-13 |  | S | By email this date TWE distributed study cases to the PRG for review for interactions with Path 27. |  |
| 7-1-13 |  | C | 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.  |  |
| 7-24-13 |  | C | By email this date TWE distributed a revised study plan and highlighted some of the progress. |  |
| 2-16-16 |  | N | 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. |  |
| 2021 |  |  | Path Rating Catalog update provided as well as an annual progress report |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
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| 4-20-17 | Transwest Express | N | **Transwest Express AC and DC Project** | 4-20-17 |
| 4-20-17 |  | N | By email this date, TransWest has requested to initiate Phase 1 for the TransWest Express AC and DC Study Plan. The TransWest AC and DC Project consist of a 406 mile, HVDC system between Wyoming and Utah and a 324-mile, 500 kV AC transmission line between Utah and Nevada. TransWest is seeking a Planned Path Rating of 3,000 MW north to South for the HVDC and 1,500 MW north to South for the AC segment.TransWest anticipates issuing a Comprehensive Progress Report (CPR) in August 2018. If there are any questions concerning TransWest Express AC and DC Study Plan or would like to receive a copy of the Study Plan, please contact Jeff Ellis jeffellis@useconsulting.com.  |  |
| 7-26-18 |  | S | By email this date TransWest Express requested to begin the 60-day comment period for Phase 2A status |  |
| 9-28-18 |  | S | By email this date TransWest Express indicated that they had received some comments on the Comprehensive Progress Report. Minor comments have already been incorporated into the CPR. Some additional comments were received related to additional studies that should be completed prior to the transition to Phase 3. These additional comments will be addressed in the Phase 2b study process. Therefore, in accordance with the WECC Path Rating Process, the TransWest Express AC and DC project is now in Phase 2A of the WECC Path Rating Process. |  |
| 12-19-18 |  | S | By email this date, in accordance with the WECC Project Coordination and Path Rating Processes guidelines, TransWest Express has completed the Phase 2A requirements for the TransWest Express AC and DC Project.The [TransWest Express AC and DC Project (TWE AC and DC Project) Comprehensive Progress Report (CPR)](https://www.wecc.biz/Reliability/Phase1_CPR_Report_9-28-18_Final.doc) was distributed to the Reliability Assessment Committee (RAC) and Studies Subcommittee (StS) on July 26, 2018. TransWest circulated a draft Phase 2 Study Plan and draft Foundational base cases on October 3, 2018. On November 30, 2018, TransWest provided the final approved Study Plan and final approved Foundational base case to the PRG members. The final approved Study Plan and Foundational base case address all the comments provided by PRG members during the review period.With the approval of its Study Plan and Foundational base cases, the TransWest Express AC and DC Project is now in Phase 2B of the WECC Path Rating Process.If you have any questions concerning the TransWest Express AC and DC Project, please contact Jeff Ellis (jeffellis@useconsulting.com) or David Smith (david.smith@tac-denver.com). |  |
| 6-19-19 |  | S | In December 2018, TransWest requested and was granted phase 2B status for Stage 1of the TWE AC and DC Project. In 2019, TransWest notified WECC and the TWE AC and DC Project Review Group that it will be revising the Plan of Service for the TWE Project to include a 3,000 MW DC transmission line from Wyoming to Intermountain, a 1,500 MW 500 kV AC transmission line from Intermountain to Crystal and a 1,680 MW 500 kV AC transmission line from Crystal to a new substation in the Eldorado Valley that will connect to McCullough, Mead, Marketplace and Eldorado.TransWest circulated a draft Phase 2 Study Plan and draft Foundational base cases on March 15, 2019 to the Project Review Group (PRG). On May 24, 2019, TransWest provided the final approved Study Plan and final approved Foundational base case to the PRG members. The final approved Study Plan and Foundational base case addressed all of the comments provided by PRG members during the review period.With the approval of its Study Plan and Foundational base cases, the TransWest Express AC and DC Project is now in Phase 2B of the WECC Path Rating Process. |  |
| 1-24-2020 |  | S | By email this date TransWest Express LLC requested that Phase 3 status be granted for the TransWest Express AC and DC Project with an accepted rating of 3,000 MW north to south for the DC line from TWE-Wyoming (near Farris 230 kV) to TWE-UT (near Intermountain 345 kV), 1,500 MW on the 500 kV AC line between TWE-UT and TWE-Ring Bus (near Crystal 500 kV) and 1680 MW on the 500 kV AC line between TWE-Ring Bus and TWE-Nevada (near Marketplace).   |  |
| 3-19-2020 |  | S | By email this date TransWest Express AC and DC Project has completed the steps necessary to enter Phase 3 status of the WECC Path Rating Process.On January 24, 2020 TransWest Express LLC initiated the RAC 30-day review of the TransWest Express AC and DC Project and requested Phase 3 status and an Accepted Rating of 3,000 MW. The 30-day review period for this request has passed, and all comments or objections that were received have been addressed. Therefore, TransWest Express AC and DC Project is granted Phase 3 status. The Stage 1 facilities identified in the study report are scheduled to be in service by 2024 and the Stage 2 facilities are scheduled to be in service by 2026. |  |
| 2021 |  |  | Update submitted for Path Rating Catalog, as well as annual progress report |  |
| 11-20-23 |  | N | By email this date, the TransWest Express AC and DC Project submitted a scope change for this project, since the the Plan of Service for the southern termination (TWE-Crystal) interconnection has been revised to best meet the needs expressed by the market participants. The new Plan of Service is 4Q of 2027. The TWE-Crystal substation will be connected to the Crystal North 500 kV Switchyard and a new substation that intercepts the Harry Allen to Eldorado (HAE) 500 kV line near the Crystal switchyard.The study scope changes have no adverse impact to any existing or Accepted WECC Path Ratings, including Path III-18 (TWE-Intermountain to TWE-Crystal 500 kV line), Path 84 (HAE) and Path 89 (SNTI+). |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
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| 1-2014 | Power Engineer |  | **North Gila-Imperial Valley #2 Project** | 12-2021 |
| 8-1-11 |  | 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. |  |
| 8-2-18 |  | S | By email this date the Project entered Phase 2b status |  |
| 7-29-19 |  | S | By email this date the Project has completed its Phase 2 studies and is now requesting a 30-day RAC review to assess compliance with the requirements of the WECC Path Rating Process.On February 18, 2016 NGIV2, LLC initiated the WECC Path Rating Process for the North Gila-Imperial Valley #2 Project (Path 46). A Comprehensive Progress Report was produced demonstrating that with the addition of the North Gila-Imperial Valley #2 500 kV line to Path 46, the Path 46 non-simultaneous rating can be increased from 11,200 MW to 12,450 MW. As of July 3, 2018, the Project Review Group (PRG) had an approved Study Plan, a foundational base case and an interim Phase 2A study report. On April 25, 2019, the project sponsors issued an approved [Final PRG Phase 2 Rating Report](https://www.wecc.org/Reliability/NDA/FINAL%20NGIV2%20Phase%202%20REPORT%20TO%20WECC.zip). All comments from the PRG were addressed in this report and the PRG has accepted this Final PRG Phase 2 Rating Report dated April 25, 2019 for the North Gila-Imperial Valley #2 Project. NGIV2, LLC is submitting this report to the RAC to initiate the RAC 30-day review period to assess compliance with the WECC Path Rating Process. Upon successful completion of this review, NGIV2, LLC requests that the North Gila-Imperial Valley #2 Project be granted Phase 3 status and an Accepted Rating for Path 46 non-simultaneous rating of 12,450 MW. |  |
| 9-12-19 |  | S | By email this date the North Gila-Imperial Valley #2 Project has completed the steps necessary to enter Phase 3 status of the WECC Path Rating Process.On September 7, 2019 NGIV2, LLC has requested the RAC to grant the North Gila-Imperial Valley #2 Project Phase 3 status and an Accepted Rating for Path 46 non-simultaneous rating of 12,450 MW. The 30-day review period for this request has passed, and all comments or objections have been addressed. Therefore, the NGIV2 is granted Phase 3 status and an Accepted Rating of 1250 MW. |  |
| 2021 |  |  | Path Rating Catalog update provided |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
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| 1-17-20 | LADWP & SCE |  | **Path 61 uprate** |  |
| 1-17-20 |  | N | By email this date Los Angeles Department of Water & Power and Southern California Edison requested to expedite the WECC Path Rating Process for Path 61 to increase the rating from 2400 MW to 2900 MW on the Victorville – Lugo 500 kV transmission line. The Comprehensive Progress Report was posted on the WECC website. This report contained Phase 1 (non-simultaneous) and Phase 2 (Simultaneous) study analyses and results.  LADWP and SCE will be establishing a Project Review Group (PRG). |  |
| 3-26-20 |  | N | By email this date the Expedited Path Rating Process – Victorville - Lugo Path 61 Rating increase from 2400 MW to 2900 MW has completed the steps necessary to enter Phase 3 of the WECC Path Rating Process. Southern California Edison (SCE) and Los Angeles Department of Water and Power (LADWP) did not receive any comments during the 60 day review period. Therefore, in accordance with the WECC Project Coordination, Path Rating and Progress Report Process, the Victorville – Lugo Path 61 is hereby granted Phase 3, with an Accepted Rating of 2,900 MW. All projects identified in the [study report](https://www.wecc.org/Reliability/NDA/Path61_Rating_Increase_Study_Report_expedite.pdf) are scheduled to be in service by June 1, 2021 |  |
| 2021 |  |  | Path Rating Catalog update provided |  |
| 1-23-24 |  | N | By email this date Los Angeles Department of Water and Power and Southern California Edison have submitted a new completion date for both Path 46 West of River and Path 61 Lugo – Victorville. The new projected completion date for both Path 46 and 61 will be extended from June of 2025 to January 2029. |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
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| 10-7-16 | SCE &LADWP |  | **LADWP-SCE Upgrade project—Increase Path 46 West of Colorado River (WOR)** | 10-7-16 |
| 10-7-16 |  | 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. |  |
| 1-30-19 |  | S | By email this date, SCE and LADWP requested a 60-day comment period for Phase 2A status. |  |
| 6-28-19 |  | S | By email this date, Southern California Edison (SCE) and LADWP requested Phase 2A and 2B status for the Joint LADWP and SCE Non-simultaneous Path 46 Rating Increase Project. The Joint LADWP and SCE non-simultaneous Path 46 Rating Increase Project includes rating upgrades on several existing transmission facilities in the LADWP and SCE transmission systems. The Joint LADWP and SCE Non-simultaneous Path 46 Rating Increase Project Phase 2 study will evaluate the increase on Path 46 starting from the NGIV#2 Path 46 Phase 2B rating of 12,450 MW to this proposed project’s rating of 13,400 MW.Following this review period, which ended on April 1, 2019, SCE indicated that they had received no comments on the Comprehensive Progress Report. Therefore, in accordance with the WECC Path Rating Process, the Joint LADWP and SCE Non-simultaneous Path 46 Rating Increase Project is in Phase 2A of the WECC Path Rating Process effective April 1, 2019.SCE circulated a draft Phase 2 Study Plan and draft Foundational Base Case to the Project Review Group (PRG). On June 18, 2019, the Study Plan and Foundational Base Case was approved by the PRG members. The final approved Study Plan and Foundational base case address all of the comments provided by PRG members during the review period for these items.With the approval of its Study Plan and Foundational Base Case, the Joint LADWP and SCE non-simultaneous Path 46 Rating increase Project is now in Phase 2B of the WECC Path Rating Process. This status change occurred effective June 18, 2019. |  |
| 11-20-19 |  | S | By email this date LADWP and SCE request that Phase 3 status be granted for Path 46 with an accepted rating of 13,400 MW.  Any comments related to compliance with the WECC Project Coordination and Path Rating Processes are due by December 20, 2019. Los Angeles Department of Water and Power (LADWP) are submitting the Phase 2 “LADWP - SCE Transmission Facilities Upgrade Projects Path 46 West of River Path Rating Increase Study” report and appendices. LADWP and SCE appreciate reviews and comments from WECC, PRG, and WATS members.  Any comments or requests for the appendices should be sent to David.franklin@sce.com (909)274-1628 or Faranak.sarbaz@ladwp.com (213) 367-1265. |  |
| 1-17-20 |  |  | On this date an email was sent to inform the recipients that the West of Colorado River Path 46 Rating Increase Project has completed the steps necessary to enter Phase 3 status of the WECC Path Rating Process.The 30-day review period has passed, and all comments or objections that were received have been addressed. Therefore, West of Colorado River Path 46 Rating Increase Project is granted Phase 3 status. All projects identified in the study report are scheduled to be in service by June 1, 2021. |  |
| 2021 |  |  | Path Rating Catalog update provided |  |
| 1-3-24 |  | N | By email this date Los Angeles Department of Water and Power and Southern California Edison have submitted a new completion date for both Path 46 West of River and Path 61 Lugo – Victorville. The new projected completion date for both Path 46 and 61 will be extended from June of 2025 to January 2029. |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
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| 1-5-11 | PacifiCorp(PACE) | N | **Gateway West—Aeolus West, Bridger/Anticline West and Path C Projects** |  |
| 2-6-09 |  | S | By email 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). |  |
| 1-5-11 |  | N | By email 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. |  |
| 8-24-16 |  | C | In TSS this update was given - still in Phase 3, no change in service plan, working on permits |  |
| 2021 |  |  | Update provided to STS – Aeolus West completed, other portions awaiting construction |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 12-16-10 | PacifiCorp(PACE) | N | **Gateway South—Aeolus South Project** |  |
| 2-6-09 |  | S | By email 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. |  |
| 12-16-10 |  | N | By email 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. |  |
| 8-24-16 |  | C | In TSS this update was given - still in Phase 3, no change in service plan, working on permits |  |
| 2021 |  |  | Update to STS provided, awaiting contstruction |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 1-11-08 | PacifiCorp(PACE) | N | **Gateway South—TOT 2B/2C Project** |  |
| 1-11-08 |  | N | By email 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. |  |
| 6-21-11 |  | N | By email 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.  |  |
| 3-6-12 |  | N | By email this date Craig Quist distributed a letter stating that all facilities associated with this project are in-service. The accepted path ratings 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 |

 |  |
| 8-24-16 |  | C | In TSS this update was given - still in Phase 3, no change in service plan, working on permits |  |
| 2021 |  |  | Update to STS provided, awaiting contstruction |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 12-14-10 | PacifiCorp(PACE) | N | **Gateway West—TOT 4A Project** |  |
| 2-6-09 |  | S | By email 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). |  |
| 12-14-10 |  | N | By email 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. |  |
| 8-24-16 |  | C | In TSS this update was given - still in Phase 3, no change in service plan, working on permits |  |
| 2021 |  |  | Update to STS provided, awaiting contstruction |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 12-14-10 | PacifiCorp(PACE) | N | **Gateway West—Borah West, Midpoint West & Bridger 2400 MW Upgrade Projects** |  |
| 2-6-09  |  | N | By email 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). |  |
| 7-21-11 |  | N | By email 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).  |  |
| 3-5-12 |  | N | By email 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).  |  |
| 8-24-16 |  | C | In TSS this update was given - still in Phase 3, no change in service plan, working on permits |  |
| 2021 |  |  | Update to STS provided, awaiting contstruction |  |

| Date | Entity | Code | Project Name | Effective Date |
| --- | --- | --- | --- | --- |
| 06-18-08 | Northwestern Energy (NWE) | N | Mountain States 500 kV Transmission Intertie (MSTI) Project | 2013 |
|  |  | S | 06-18-08 By e-mail this date the TSS Chair distributed a letter indicating that the MSTI Project sponsored by NWE has achieved Phase II status. The comments submitted by PPL Energy Plus on 5/27/08 will be addressed during the Phase II study process. |  |
|  |  | N | 09-27-11 By e-mail this date the PCC Chair distributed notification that the MSTI Project is granted Phase III status with Accepted Ratings of 1100 MW S-N and 1500 MW N-S.  |  |
|  | 2022 | C | An updated was provided for the 2022 Path Rating Catalog.  |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 9-24-20 | Cascade Renewable Transmission | N | **Cascade Renewable Transmission System (CRTS) HVDC Transmission Project** | 9-24-20 |
| 9-24-20 |  | N | By email this date, Cascade Renewable Transmission, LLC is initiating the Path Rating Process for the Cascade Renewable Transmission System (CRTS) HVDC Transmission Project with an East to West Rating of 1,100 to 1,280 MW.  The Cascade Renewable Transmission Project is based on the following 1. Eastern VSC-HVDC Terminal connected to the Big Eddy 500 kV bus
2. CRTS Voltage Source converter based HVDC (VSC-HVDC) Transmission (Symmetrical Monopole)
	1. Approximately 80 Miles of ±400 kV (or ±320 kV)
3. Western VSC-HVDC Terminal connected to the Troutdale 500 kV bus

Should you have any question, or need additional information about this path rating increase, please contact Ernie Griggs (egriggs@powerbridge.us). |  |
| 4-19-21 |  | S | By email this Cascade Renewable Transmission, LLC is requested a 60 day comment period for Phase 2A status. The proposed path rating for the Cascade Renewable Transmission Project (CRTP) HVDC Transmission Project with an East to West Rating of 1,100.  The Cascade Renewable Transmission Project is based on the following (which includes some changes from what was previously logged):1. Eastern VSC-HVDC Terminal connected to the Big Eddy 500 kV bus
2. CRTS Voltage Source converter based HVDC (VSC-HVDC) Transmission (Symmetrical Monopole)
	1. Approximately 105 Miles of ±320 kV
3. Western VSC-HVDC Terminal connected to the Harborton 230 kV bus

If you have any comments/questions or would like to participate on the Project Review Group (PRG), please provide your comments and/or complete the attached PRG form and send to Jeff Ellis at JeffEllis@USEConsulting.com by June 18, 2021. |  |
| 06-18-21 |  |  | By email this date, Cascade Renewable Transmission, LLC  has completed the Phase 2A requirements for the Cascades Renewable Transmission System (CRTP) HVDC Transmission Line Project and is requesting Phase 2B status. The CRTP Comprehensive Progress report was distributed to the Reliability Assessment Committee and the Studies Subcommittee members on April 19, 2021.Cascade Renewable Transmission, LLC developed a Study Plan and the Foundational Base Cases, which incorporated all inputs from the Project Review Group (PRG) and was finalized and approved by the PRG on November 10, 2021. With the approval of the Study Plan and the foundational base cases, Cascade Renewable Transmission System HVDC Transmission Line Project is now in Phase 2B of the WECC path Rating Process. |  |
| 06-27-22 |  | S | By email this date the Cascade Renewable Transmission System HVDC Transmission Project, an 1,100 MW HVDC transmission line project has completed the steps necessary to enter Phase 3 of the Path Rating Process. Cascade Renewable Transmission, LLC did receive one comments during the 30 day review period and this has been addressed. Therefore, in accordance with the WECC Project Coordination, Path Rating and Progress Report Process, Cascades Renewable Transmission System HVDC Transmission Project is hereby granted Phase 3 status, with an Accepted Rating of 1,100 MW. All projects identified in the study report are scheduled to be in service by December, 2027. |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 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). 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.  |  |
| 2-7-19 |  | C | By email this date, Transcanyon indicated that they have completed the Phase 2A requirements for the Cross-Tie Transmission Project.TransCanyon developed a Study Plan, which incorporated all inputs from the Project Review Group (PRG), which was finalized and approved by the PRG on December 20, 2018. The Foundational Base Case, which incorporated all inputs received from the PRG was finalized and approved by TransCanyon and the PRG on January 31, 2019.With the approval of the study plan and the first foundational base case the Cross-Tie project is now in Phase 2B of the WECC Path Rating Process. |  |
| 5-12-21 |  | C | By email this date PRG request was sent out. Studies for Phase 2b work will be reviewed in June. |  |
| 1-17-23 |  | C | By email this date, the Cross-Tie Transmission Project has completed the steps necessary to enter Phase 3 status of the WECC Path Rating Process. On December 7, 2022 TransCanyon, LLC initiated the RAC 30-day review of the Cross-Tie Transmission Project, a 500 kV line between the Clover and Robinson Summit Substation with bi-directional capacity of 1,500 MW west to east and 1,500 MW east to west. The 30-day review period for this request has passed, and no comments or objections were received. Therefore, the Cross-Tie Transmission Project is granted Phase 3 status. All components identified in the study report are scheduled to be in service by the fourth quarter of 2026. |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 7-12-07 | Southwestern Power Group II, LLC (SWPG) | N | **SunZia Southwest Transmission Project** | 2015 |
| 7-27-09 |  | N | By email 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. |  |
| 3-30-11 |  | N | By email 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. |  |
| 11-26-13 |  | S | 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. |  |
| 2-6-14 |  | S | 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. |  |
| 2-7-14 |  | C | By email this date Southline provided comments for discussion at the Feb 13, 2014 PRG meeting. |  |
| 2-7-14 |  | S | 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. |  |
| 2-13-14 |  | C | By email this date Southline submits diagram of the SunZia FEIS for discussion at the Feb 13, 2014 meeting. |  |
| 2-14-14 |  | S | 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.  |  |
| 2-19-14 |  | S | By email this date Power Engineers provides meeting minutes to the PRG from the Feb 13, 2014 meeting. |  |
| 2-20-14 |  | C | By email this date BPA provides Pre project case post-contingency base cases for posting on the project website  |  |
| 2-21-14 |  | S | 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
 |  |
| 2-21-14 |  | C | By email this date BPA provides comments on the cases posted on 2-21-14. |  |
| 2-22through 2-24-14 |  | C | By email these dates Power Engineers and BPA engage in discussion concerning differing results on from the cases posted on 2-21-14. |  |
| 2-24-14 |  | C | 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 2-6-14. |  |
| 2-25-14 |  | S | By email this date Power Engineers provides summary of stability results based on 17LW Pre- Project case and post-project case created on 2-25-14. Detailed results posted to the project website.  |  |
| 2-26-14 |  | C | By email this date BPA provides comments on the 17HS case and the 17LW case results. |  |
| 2-26-14 |  | S | By email this date Power Engineers provides response to BPA comments from 2-26-14. |  |
| 2-26-14 |  | S | 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. |  |
| 2-27-14 |  | C | 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. |  |
| 2-27-14 |  | C | By email this date APS provides comments regarding 2017LW and 2018HS base cases. |  |
| 2-27-14 |  | C | By this email Power Engineers and APS discuss issues with some of the study cases |  |
| 4-15-14 |  | S | By email this date Power Engineers provides for review and comments the SunZia Path Rating Re-Study Draft Report.  |  |
| 5-8-14 |  |  | By email this date WAPA provides comment to the SunZia Path Rating Re-Study Draft Report. |  |
| 5-9-14 |  | C | By email this date BPA provides comments to the SunZia Path Rating Re-Study Draft Report. |  |
| 5-9-14 |  | C | By email this date Black Forest Partners provides comments to the SunZia Path Rating Re-Study Draft Report |  |
| 5-19-14 |  | S | By email this date Power Engineers provides responses to WAPA, BPA, and Black Forest Partners comments received on 5-9-14. |  |
| 6-2-14 |  | S | By email this date notice of documents posted to the SunZia project website is provided. |  |
| 5-23-14 |  | C | By email this date Eric Heredia replaced Sylvia Harwood as BPA’s representative on the PRG |  |
| 7-25-14 |  | S | 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. |  |
| 7-25-14 |  | S | 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. |  |
| 7-25-14 |  | S | 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. |  |
| 8-8-14 |  | S | By email this date Power Engineers provides for review and comments the final version of the SunZia Path Rating Re-Study Report |  |
| 8-10-14 |  | C | By email this date Southline requests information regarding methodology used in the post-transient analysis |  |
| 8-11-14 |  | C | By email this date BPA provides comments on the final version of the SunZia Path Rating Re-Study Report |  |
| 8-11-14 |  | S | By email this date Power Engineers provides responses to the BPA comments and additional switching data files. |  |
| 9-5-14 |  | C | By email this date Southline submitted additional comments and questions regarding the post-transient govern power-flow modeling and on voltage stability analysis. |  |
| 9-10-14 |  | S | By email this date the second revised Meeting #3 minutes incorporating BPA’s suggestion to change Section IV Bullets 7, 8, and 9 statements |  |
| 1-27-15 |  | 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. |  |
| 8-22-16 |  | C | Assigned temporary bus numbers in May 2016, may still be in Phase 3 |  |
| 02-01-21 |  | C | Update was submitted for 2021 Path Rating Catalog |  |
| 07-06-22 |  | N | By email this date SunZia Southwest Transmission Project (currently in Phase 3) was reverted back to Phase 2A due to the changes in the Plan of Service.  SunZia Transmission, LLC is requested the Phase 2A 60 day review for the SunZia HVDC Southwest Transmission Project.  The restudy of the Phase 1 [SunZia HVDC Southwest Transmission Project](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.wecc.org%2FReliability%2FNDA%2FTransCo_SunZia_Path_Rating_Restudy_CPR_Report_1July2022.pdf&data=05%7C01%7Cnhatton%40wecc.org%7Ce52e79f10778436626db08da5f8ce2b2%7Cfd6f305dc9294e109d462e7058aae5e6%7C0%7C0%7C637927356110150136%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=ktIIp0snMC1mhe8a7f8ZuT%2FHTFcTwZ8OqoSgIiI6ERc%3D&reserved=0) Comprehensive Progress was posted and comments were requested by September 6th 2022Since several members of the previous Project Review Group(PRG) had changed roles, SunZia Transmission, LLC is solicited interest to participate to form a new PRG for the Phase 2 analysis as well.  |  |
| 04-17-23 |  | N | By email this date SunZia Transmission, LLC request that Phase 3 status be granted for the SunZia Southwest Transmission Project, a 3,000 MW HVDC transmission line project in the Southwestern US that will bring additional transmission interconnection and capacity between central New Mexico and central Arizona. Any comments related to compliance with the WECC Project Coordination and Path Rating Processes are due by May 17, 2023.  |  |
| 05-22-23 |  | N | By email this date SunZia Southwest Transmission Project has completed the steps necessary to enter Phase 3 status of the WECC Path Rating Process. On April 17, 2023 SunZia Transmission, LLC initiated the RAC 30 Day review of the SunZia Southwest Transmission Project. The 30-day review period for this request passed, and no comments or objections were received. Therefore, the SunZia Southwest Transmission Project was granted Phase 3 status. All components identified in the study report are scheduled to be in service by the October 2025. |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 2-8-06 | LS Power & Great Basin Transmission | N | **Southwest Intertie Project (SWIP)** | 2020 |
|  |  | N | In 2020 the PRG for the Southwest Intertie Project-North (SWIP-North) and the PRG for the Southwest Intertie Project-North (SWIP-South) were combined into a single group. Therefore further updates will be logged jointly. Previous updates on each of these projects can be found in the historical logbook. |  |
| 02-26-21 |  | C | Annual Progress report provided. Comments also provided for the Path Rating Catalog |  |
| 1/21/2022 |  | C | By email this date, Great Basin Transmission, LLC has completed the Phase 2A requirements for the Southwest Intertie Project (SWIP-North and SWIP South) and is requesting Phase 2B status. The SWIP North and South CPR’s were distributed to the Technical Studies Subcommittee members back in 2008 and 2007. These two studies were combined in 2020 and the two Project Review Group (PRG) were combined into a single PRG on November 5, 2020.

|  |  |  |
| --- | --- | --- |
|  | **North to South** | **South to North** |
| **SWIP-North** | 2,070 MW | 1,920 MW |
| **SWIP-South** | 2,335 MW | 2,245 MW |

Great Basin Transmission, LLC developed a Study Plan and the Foundational Base Cases, which incorporated all inputs from the PRG and was finalized and approved by the PRG on January 7, 2022. With the approval of the Study Plan and the foundational base cases, Southwest Intertie Project is now in Phase 2B of the WECC Path Rating Process.If you have any comments/questions please send them to Diwakar Tewari DTewari@LSPower.com). |  |
| 06-29-23 |  | C | By email this date, Great Basin Transmission, LLC (GBT) requested that Phase 3 status be granted for the Southwest Intertie Project (SWIP) , SWIP-North is a 500kV AC transmission circuit from Idaho to Nevada. SWIP-South is an upgraded series compensated on the Robinson Summit-Harry Allen 500 kV line.  |  |
| 08-01-23 |  | N | By email this date, the Southwest Intertie Project (SWIP) has completed the steps necessary to enter Phase 3 status of the WECC Path Rating Process.The 30-day review period has passed, and no comments or objections were received. Therefore, SWIP is granted Phase 3 status. All components identified in the study report are scheduled to be in service by December of 2026 |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 06-07-22 | IID and ZGlobal |  | **Path 42 Uprate** |  |
| 06-07-22 |  | N | By email this date ZGlobal and Irrigation District (IID), in cooperation with Southern California Edison (SCE) will be initiating the Expedited Path Rating Process for WECC Path 42, IID to SCE, which in accordance with the WECC Project Coordination Path Rating Process, dated September 2020. This “Expedited” rating process is intended to increase Path 42 accepted rating from east-to-west of 600 MW to 750 MW. With the goal to increase the rating to 1400 MW. This path includes the 230 kV Coachella Valley – Mirage and the 230 kV Ramon – Mirage transmission line and serves as the primary path for exporting generation from IID Balancing Authority into SCE and the CAISO market. If you have any comments or concerns for ZGlobal and IID initiating the expedited process for Path 42, please contact David Frederick at dfrederick@zglobal.biz, (602) 859-8046. |  |
| 06-19-23 |  | S | By email this date, ZGlobal requested a 60 day review as part of the Expedited Process for the Path 42 Uprate Project.  The Path 42 Uprate Project will uprate the rating of Path 42 from 750 MW to 1,115 MW East to West.  |  |
| 10-30-23 |  | N | By email this date, the Path 42 rating increase from 750 MW to 1,115 MW East to West has completed the steps necessary to enter Phase 3 of the Expedited Path Rating Process. ZGlobal has addressed all comments received during the 60 day review period. Therefore Path 42 was hereby granted Phase 3 status, with an Accepted Rating of 1,115 MW. All projects identified in the study report are scheduled to be in service by January 1, 2024 |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 02-09-24 | IPC |  | **Path 16** |  |
| 02-09-24 |  | N | By email this date Idaho Power Company (IPC) requested a 60 day review as part of the Expedited Process for the Path 16.  The Path 16 Project will change the metering point from the Midpoint 345 kV substation to the Rogerson 345 kV substation with the inclusion of Jackpot Solar project connected to the Rogerson 345 kV substation. The path ratings for Path 16 will continue to be 500 MW North to South and 360 MW South to North. |  |
| 05-13-24 |  |  | By email this date Path 16 was granted Phase 3 status, with an Accepted Rating of 500 MW North to South and 360 MW South to North as Idaho Power Company did not receive any question or comments during the 60 day review period. All projects identified in the [study report](https://www.wecc.org/Reliability/NDA/Path_16_CPR.pdf?Web=1) have been constructed and placed in-service on December 5th, 2022, Phase 3 is now complete. |  |

# Path Rating Process—Phase 3 Pending and Inactive Projects

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.

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 1-2013 | Idaho Power Company (IPC | N | **TotBeast with Hemingway—Boardman 500 kV** |  |
| 8-24-16 |  | C | In TSS this update was given - still in Phase 3, no change in service plan, working on permits |  |
| 2021 |  |  | Update provided to path rating catalog |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 2-27-08 | Idaho Power Company (IPC) | N | **Hemingway to Boardman Transmission Project** | 2018 |
| 2-27-08 |  | N | By email 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.  |  |
| 11-28-12 |  | S | By email 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. |  |
| 8-24-16 |  | C | In TSS this update was given - still in Phase 3, no change in service plan, working on permits |  |
| 2021 |  |  | Update provided to path rating catalog |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 2-3-10 | Pacific Power | N | **Walla Walla-McNary Transmission Project** | 12-2012 |
| 10-9-08 |  | N | By email 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. |  |
| 2-3-10 |  | S | By email 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. |  |
| 10-19-10 |  | S | By email 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. |  |
| 10-22-10 |  | S | By email 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. |  |
| 11-10-10 |  | S | By email 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. |  |
| 11-10-10 |  | C | By email this date BPA provided a list of changes to be made to the base cases that were posted for review. |  |
| 12-23-10 |  | S | By email 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. |  |
| 1-31-11 |  | S | By email this date Pacific Power distributed a copy of the 1-26-11 meeting minutes and requested that PRG members review the draft study report and base cases. |  |
| 3-14-11 |  | S | By email this date the finalized meeting minutes from the 1-26‑11 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 4-13-11. |  |
| 4-18-11 |  | S | By email this date Pacific Power distributed a final version of the meeting notes from the 4-13-11 PRG meeting. The next PRG teleconference is scheduled for 5-11-11. |  |
| 5-17-11 |  | S | By email this date Pacific Power provided meeting notes from the PRG meeting of 5-11-11. |  |
| 5-17-11 |  | C | By email 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. |  |
| 1-13-12 |  | C | By email 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. |  |
| 3-29-12 |  | S | 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. |  |
| 11-1-13 |  | S | 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. |  |
| 8-24-16 |  | C | Discussed in TSS this date. This Project is in Phase 3. We need more documentation. |  |

# Paths that have Expressed Interest in Re-Rating Due to the Changes in the Reliability Criteria Requirements

By email March 23rd, 2021 the Studies Subcommittee has updated the Project Coordination, Path Rating, and Progress Report Process to address the changes in the reliability criteria that were used to establish the path ratings previously (section 5.5.7) of the Project Coordination, Path Rating, and Progress Report Process. The purpose of this notice is to address potential Path Rating changes due to the elimination of the common corridor outage requirement.  This process is intended to only address a rating change in which the common corridor criteria were used to establish and achieve Accepted or Existing Ratings for a Path.

Path Owners of the following Paths have indicated that they wish to review and potentially go through this process that is identified in section 5.5.7 of the Project Coordination, Path Rating, and Progress Report Process.

Path 15 - Midway – Los Banos

Path 17 - Borah West – withdrawn by email on June 23, 2022. IPC will be investing in additional Path 17 network upgrades in the near future that will require a path re-rate study, therefore, the resulting incremental increase in the path rating from the common corridor re-rate study will be obsolete shortly after approval. IPC will be seeking a new path rating in the next few years after the network upgrades on the path are finalized.

Path 26 - Northern – Southern California

Path 66 – California Oregon Intertie (COI)

Path Owners will begin to perform the necessary studies, prepare, and submit the Comprehensive Progress Report with the proposed Planned Rating to WECC by **December 31, 2021**. Per Step 3 of this process.

Once WECC receives a CPR we will post the report and let the membership know that it has been received and posted.

By email January 6th, 2022 notification was sent out that the Path Owners had submitted the Comprehensive Progress Reports (CPR) with the new proposed Planned Ratings seen below (Step 6). Each Path Owner has expressed interest in proceeding through this process as specified in section 5.5.7 (Step 5).

|  |  |  |
| --- | --- | --- |
|  | Existing Rating | Proposed Rating |
| [Path 15 - Midway – Los Banos](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.wecc.org%2FReliability%2FNDA%2FPath%252015%2520Rerate.zip&data=04%7C01%7Cnhatton%40wecc.org%7C78c6380cda474f75039608d9d165dc27%7Cfd6f305dc9294e109d462e7058aae5e6%7C0%7C0%7C637771058025006538%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=1%2BdahMyWD5Cmw5OrPgkS3fKFocV7gGGi%2FNK4XvDVWJU%3D&reserved=0) | 2,000 - 3,265 MW North to South | 3,700 MW - 4,600 MW North to South |
| [Path 26 - Northern – Southern California](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.wecc.org%2FReliability%2FNDA%2FPath26_Rerate_NtoS_StoN.zip&data=04%7C01%7Cnhatton%40wecc.org%7C78c6380cda474f75039608d9d165dc27%7Cfd6f305dc9294e109d462e7058aae5e6%7C0%7C0%7C637771058025016538%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=LZ%2BqFFypY%2FHFBYD7nNx7gMhJOgE4R%2Fk7BMAIYWIarEM%3D&reserved=0) | 3,000 MW South to North4,000 MW North to South | 4,400 MW South to North5,000 MW North to South |
| [Path 66 – California Oregon Intertie (COI)](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.wecc.org%2FReliability%2FNDA%2FCOI%2520(Path%252066)%2520Rerate%2520CPR.zip&data=04%7C01%7Cnhatton%40wecc.org%7C78c6380cda474f75039608d9d165dc27%7Cfd6f305dc9294e109d462e7058aae5e6%7C0%7C0%7C637771058025026531%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=kfswUXRdiFMC2rHh21FfiJb4zHhMrDPC9YdB61cY2Oo%3D&reserved=0) | 4,800 MW North to South | 5,100 MW North to South |

Comments and PRG forms to the listed contact were due by **March 7, 2022**.

After this 60 day comment period transmission Path Owners will continue their studies for Phase 2A, 2B and 3 of the established Path Rating study process. All projects in this rerating process will be considered similarly situated with each other. Planned new ratings from other paths for rerating need to be considered by the PRG and modeled in the studies. (Step 8 time frame for completion is one to two years)

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 01-06-22 | PG&E and SCE | N | **Path 26, Northern – Southern California Re-Rating Project** |  |
| 01-06-22 |  | N | As discussed above, Path 26 is undergoing a rerating process. The goal is as follows:

|  |  |  |
| --- | --- | --- |
| [Path 26 - Northern – Southern California](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.wecc.org%2FReliability%2FNDA%2FPath26_Rerate_NtoS_StoN.zip&data=04%7C01%7Cnhatton%40wecc.org%7C78c6380cda474f75039608d9d165dc27%7Cfd6f305dc9294e109d462e7058aae5e6%7C0%7C0%7C637771058025016538%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=LZ%2BqFFypY%2FHFBYD7nNx7gMhJOgE4R%2Fk7BMAIYWIarEM%3D&reserved=0) | 3,000 MW South to North4,000 MW North to South | 4,400 MW South to North5,000 MW North to South |

By email this date the Comprehensive Progress Report was sent out on January 6, 2022 for the 60 day review. |  |
| 07-19-22 |  | N | By email this date PG&E and SCE reported that all comments of the Comprehensive Progress Report have been addressed, therefore Path 26, Northern – Southern California Re-Rating Project is now in Phase 2A of the WECC Path Rating Process. In this same email, PG&E and SCE have also completed the Phase 2B requirements for Path 26 and requested Phase 2B status. PG&E and SCE developed a Study Plan and the foundational base cases, which incorporated all input from the Project Review Group and were finalized and approved by the PRG on May 6, 2022 for the South to North rating and June 10, 2022 for the North to South rating. With the approval of the Study Plan and the foundational base cases, Path 26 Northern – Southern California Re-Rating Project is now in Phase 2B of the WECC Path Rating Process |  |

1. [1] Higher rating value is associated with Western’s potential Tucson-Oracle 115 kV line re-conductor project. [↑](#footnote-ref-1)