Path Rating Process Historical Logbook

Revision Date: November 21, 2017



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# Projects Removed from Logbook Due to Completion

Projects that were formerly listed in the Path Rating Progress Logbook but have been completed.

| 09-17-13 | El Paso Electric (EPE) | N | Path 47 Verification of Accepted Rating Project | In-Service |
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|  | 09-17-13 | N | By email this date none of the facility changes noted above impact the Path 47 Existing Ratings, i.e., the 940 MW simultaneous and the 1048 MW non-simultaneous ratings. Please note that this analysis was not intended to evaluate new Path 47 Accepted Ratings but rather to verify if the system modifications adversely impact the Existing Ratings. During the analysis, it was found that the actual Path 47 transfer capabilities may be above published Existing Ratings as verified in this analysis. This may be due to the recent additions of new generation resources and transmission lines in the Southern New Mexico (SNM) transmission territory. This finding however needs further investigation as this analysis was not intended to raise the current Existing Rating on Path 47. |  |
|  | 02-28-14 | N | By email this date the PCC Chair grants Phase 3 status to the Path 47 Redefinition Request (Changes, Update). |  |
|  | 08-24-16 | N | In TSS Gerry Pulido stated this project was complete as of 2013 |  |

| 08-19-13 | Tri-State Generation and Transmission Association, Inc. (TSGT) | N | Keota Interconnection TOT 3 Definition Change | 12-2015 |
| --- | --- | --- | --- | --- |
|  | 8-16-13 | N | By email this date Tri-State Generation and Transmission Association, Inc. (TSGT) desires to expedite the Rating Process for re-defining a WECC Path 36 element. TSGT is undertaking a project to sectionalize the Laramie River Station (LRS)- Story 345 kV line for a radial load serving connection, at a point approximately 60-65 miles north of Story along the line. This line is an element of WECC Path 36, also known as TOT 3. The definition of TOT 3 for this line will need to be updated, with no change to the metered locations. The attached report details the change needed to the path definition and an analysis showing no negative impacts to the existing and future ratings of TOT 3. The projected in-service date is December 2015. The comprehensive progress report was distributed with the aforementioned email. |  |
|  | 11-12-13 | S | By email this date a letter from the PCC chair, in accordance with the WECC Project Coordination and Path Rating Processes, Path 36 was hereby granted an Accepted Rating, the effective date to coincide with the completion of the Keota Project. There is no change to the existing accepted rating of Path 36 which remains 1680 MW North to South (Maximum). |  |
|  | 08-24-2016 |  | Discussed in TSS this date. Project is in service |  |

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| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| 10-01-14 | Bonneville Power Administration (BPA) | N | Pacific DC Intertie (PDCI) Upgrade Project | 01-15-2016 |
|  | 09-30-14 | N | By email this date BPA announced their desire to initiate Phase 1 of the Path Rating Process for the PDCI Upgrade Project and invites interested members to submit a participate form by Oct 10, 2014.  The existing rated capability of the PDCI is 3100 MW, at ±500 kV de, ±31 00 Amps de. Celilo will require extensive and co tly refurbishment to maintain reliable operation at 3100 MW. BPA has determined the best approach is a complete rebuild of the Celilo system as a two-converter HVDC station, served directly by 500 kV AC. It is planned that the north to south rating will be increased from 3100 MW to 3220 MW in the north to south direction. The south to north rating will remain unchanged at 3100 MW. |  |
|  | 05-08-2015 | S | By email this date BPA’s PDCI Upgrade Project, Phase 1, Comprehensive Progress Report (CPR) was provided for distribution to TSS and PCC members. BPA requests that WECC members and project stakeholders review the report within the 60 day review period and submit any questions or comments to Eric Heredia at emheredia@bpa.gov. |  |
|  | 05-05-2016 | N | By email this data project entered Phase 2B |  |
|  | 12-19-2016 | N | By email this date this project completed the steps to achieve Phase 3 status and, after review was granted Phase 3 status – close file as this is in service ? |  |

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| 12-30-05 | SCE | N | Devers-Colorado River (DCR) Path 49 Rating |  |
|  |  | N | 12-30-05 By e-mail this date a Comprehensive Progress Report was distributed for a rating of 10500 MW on the combined projects of EOR 9300 MW upgrade and Devers-Palo Verde No.2 with Path 49 EOR.  Phase 2 status is requested once the 60 day comment period is completed. |  |
|  |  | S | 03-01-07 By e-mail this date the PCC Chair distributed a letter confirming that Path 49 (East of Colorado River) has achieved an accepted rating of 10,500 MW in the east to west direction pending completion of the identified upgrades. |  |
|  |  | S | 12-22-11 By e-mail this date SCE indicated that since this project achieved Phase III status, the proposed DPV2 Project has been modified and the Plan of Service accordingly updated. As a result, SCE plans to perform additional studies to determine a revised DPV2 Accepted Path 49 rating. In addition, the PRG for this project is reconvened and interest in participation on it is solicited. |  |
|  |  |  | 9-9-13 By this e-mail this date SCE invited the PRG to the DCR Path 49 (EOR) and Path 46 (WOR) Re-studies Project Review Group Meeting #4. In cooperation with NV Energy (NVE), this meeting will also include NVE's SNTI Expedited Path Rating Study in the interest of reducing your travel and time commitments. The meeting is scheduled on September 27, 2013 between 9:00 am - 5:00 pm at NV Energy Beltway Complex in Las Vegas, Nevada. |  |
|  |  | S | 10-11-13 By email this date SCE distributed the final reports for Path 46 and 49 restudy. SCE revised the DPV2 POS by replacing the Devers – San Bernardino 230 kV lines # 1 and # 2 and Devers – Vista 230 kV lines # 1 and # 2 upgrades with a new Devers – Valley 500 kV # 2 line. For the DPV2 rating studies, the Devers – San Bernardino 230 kV lines # 1 and # 2 and the Devers – Vista 230 kV lines # 1 and # 2 would be represented as originally constructed.  The SCE PRG determined that the change to the plan of service did not require being moved back to phase 2 but did require studies to verify that the transfer limit for the path. |  |
|  |  | N | 11-21-13 By email this date the PCC chair distributed a letter describing this project retaining phase 3 status. The phase 3 rating is 9,600 MW for path 49 and 11,200 on path 46. |  |
|  | 08-24-2016 | N | In TSS this was updated to reflect that the California side is complete and in service, Colorado-Delany Project has not begun the Path Rating Process yet – Listed as in service and part of Path 49 in 2017 Path Rating Catalog |  |

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| 12-12-13 | BPA | N | Central Ferry to Lower Monumental Project | December 31, 2015 |
|  |  | N | 12-12-2013 By email this date Jeffrey Miller of ColumbiaGrid announced establishment of the Central Ferry to Lower Monumental Project Coordination Review Group. Bonneville Power Administration Transmission Services (BPA-TS) has requested that ColumbiaGrid initiate and facilitate the WECC Project Coordination Review Process for their Central Ferry to Lower Monumental 500 kV Transmission Line Project. BPA-TS has proposed this project to accommodate new generation additions in the Southeastern Washington area. |  |
|  |  | S | 12-5-2014 By email this date Charles E. Matthews of BPA Transmission Planning distributed the Project Coordination Review Group Report for the Central Ferry-Lower Monumental 500 kV Transmission Line Project  Attached was the Project Coordination report that has been accepted by the Project Coordination Review Group (PCRG) titled “CF-LoMo PCR Report.pdf”. This report was provided for a 30 day comment period in accordance with the WECC Project Coordination Process. |  |
|  |  |  | 8-1-17 By this date Projects appears to be in service and in cases |  |

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| 05-12-12 | Tri-State | N | Gladstone 230 kV phase shifting transformer project | Q4, 2014 |
|  |  | N | 05-12-2012 By email this date a waiver of the Project Coordination Process for the Gladstone 230 kV Phase Shifting Transformer Project was requested. Pursuant to the approved process, the attached Waiver Request was distributed to PCC, TEPPC, and TSS for 30-day review. |  |
|  |  | C | August 24-2016 This project is complete and in the operations cases as of this date |  |

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|  | SCE | N | Path 46 Re-Definition and Rating |  |
|  |  | N | 10-11-2013 A Path 46 Re-Definition and Rating Re-Study Report (Report) was sent to the Planning Coordination Committee, Technical Studies Subcommittee, and Operating Committee that supports a revised West of Colorado River (Path 46) definition and rating. The Report identified a Plan of Service (POS) that includes a new Devers – Colorado River 500 kV Project (DCR) that would support lowering the WECC approved DPV2 Phase 3 Accepted Path 46 rating from 11,823 MW to 11,200 MW. |  |
|  |  | S | 7-18-14 by email this date notification was received that the Path 46 Project Review Group (PRG) approved the Report on September 27, 2013. During the subsequent 30-day posting review period of the Report, no comments were received. All phases of the DCR project POS have been completed. Therefore, in accordance with the WECC “Project Coordination and Path Rating Processes”, the Path 46 Accepted Rating is granted 11,200 MW East-to-West. |  |

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| 4-25-08 | BC Transmission Corp. (BTC) | N | Path 3 (Northwest-BC) S-N Rating Increase |  |
|  |  | N | 12-16-14 By email this date notification was received that The Path 3 S-N Rerating Project was granted Phase 3 status with an Accepted Rating of 3000 MW in December 2012.  BC Hydro has since completed studies for Spring System Operating Limit in Mach 2013, Summer System Operating Limit in April 2013, and Winter System Operating Limit in September 2013. Results from these studies have been presented at the NWPP Operational Planning Study Group for peer review, comments and acceptance. BC Hydro has also completed its operating order for operating Path 3 S-N at 3000 MW.  On 15 December 2014, BC Hydro requested that the Path 3 S-N be granted an Accepted Rating status at 3000 MW. Therefore, in accordance with the WECC Three Phase Project Rating Process, the Path 3 S-N is hereby granted an Accepted Rating status at 3000 MW. |  |

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| 9-7-13 | Alberta Electric System Operator | N | Path 1 Definition Change Project |  |
|  |  | N | 5-30-14 By email this date AESO announced their desire to expedite path rating process. The definition change includes defining the new Bennett 520S which includes only a 500/240 kV transformer. This request would only change the name of the terminus. |  |
|  |  | C | 5-3014 By email this date AESO informed WECC that BC Hydro requested some changes to the original request documentation. These changes were made and the request was resent. |  |
|  |  | C | 8-12-14 By email this date the project was granted Phase 3 status |  |
|  |  | C | As of 8-24-16 This name change is reflected in the Path Rating Catalog |  |

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| 1-5-2015 | Public Service Company of New Mexico | N | Rio Puerco Expansion (Path 48) |  |
|  |  | N | Tom Duane of Public Service Company of New Mexico (PNM) requesting to expedite the Path Rating Process for revising the Path 48 Accepted Rating to account for the Rio Puerco Expansion Project which results in a redefinition of the path by looping in two existing 345 kV lines. |  |
|  | 3-24-15 | N | By email this date the Rio Puerco Project achieved Phase 3 status and was granted an accepted rating of 2150 MW. |  |

# Projects Removed from Logbook Due to Cancellation

Projects that were formerly listed in the Path Rating Progress Logbook but have been cancelled.

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| 2-10-2014 | PG&E |  | Cascade Crossing Transmission Project (previously known as Southern Crossing Transmission Project) |  |
|  | 2-10-2014 | C | At the January TSS meeting there was some discussion concerning updates needed for many of the Projects listed to be in Phase 2 of the WECC Path Rating Process.  You may already know that PGE has elected to discontinue work on the Cascade Crossing Project and PGE will no longer be representing it in WECC planning cases.  Please update the Project status to cancelled in the Phase 2 Project listing. |  |

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| 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. |  |
|  | 08-22-2016 | N | In TSS WECC was told that the project was cancelled – close file |  |

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| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| **8-3-11** | **Calpine Corp.** | **N** | Sutter Energy Center Interconnection Relocation Project |  |
|  |  |  | 01-05-12 By e-mail this date Calpine initiated the Project Coordination Review Process for their Sutter Interconnection Relocation Project and solicited interest in formation of a Project Coordination Review Group. Sutter Energy Center is a nominal 540 MW natural gas-fired CC plant located in Sutter County, CA that currently connects to the 230 kV bus at WAPA’s O’Banion Substation and has been operational since 2001. Calpine submitted a request to the CAISO in January 2010 to establish a new 600 MW interconnection for the plant to the CAISO-controlled grid on PG&E’s Table Mountain-Tesla 500 kV line. The existing 230 kV connection to WAPA will be disconnected and the Sutter plant will connect directly to the CAISO-controlled grid. |  |
|  |  | **C** | 01-05-12 By e-mail this date PG&E declared their interest in participating on the PCRG for this project. |  |
|  | **1-23-2014** | **N** | By this date Calpine submitted a notice to the CAISO withdrawing the request to relocate the Sutter plant.  The proposal was to remove the current 230 kV interconnection at O’Banion and build a new interconnection on PG&E’s Table-Tesla 500 kV line.  As a result of this withdrawal, the two review groups were disbanded.  **Project Cancelled** |  |

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| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| **02-06-09** | **PG&E** | **N** | Canada – Northern California Transmission Project S-N Rating (CNC Project) |  |
|  |  |  | 02-06-09 By e-mail this date co-sponsors Avista Corp., British Columbia Transmission Corp., PacifiCorp, and Pacific Gas & Electric Co. initiated Phase I of the Project Rating Review Process to establish a south-to-north rating for the Canada-Pacific Northwest-Northern California Transmission Project (CNC Project). The north-to-south rating is currently being evaluated in separate studies in the Project Rating Review Process. The preliminary POS includes 500 kV HVAC facilities from Selkirk in southeast British Columbia to the proposed Northeast Oregon (NEO) Station with an intermediate interconnection at Devils Gap Substation in Spokane, 500 kV HVDC facilities from NEO Station to Collinsville Substation in the San Francisco Bay Area with a possible third terminal at Cottonwood Area Substation in northern California, and voltage support at the interconnecting substations as well as remedial actions for project outages. Both south-to-north and north-to-south ratings are targeted at 3000 MW. |  |
|  | **August 2016** |  | In the August 2016 TSS meeting it was reported that this project was cancelled. |  |

# Projects Removed from Logbook and placed On Hold

Projects that were formerly listed in the Path Rating Progress Logbook but have been suspended or placed “on hold”

| 08-16-11 | Southern California Edison (SCE) | N | IID-SCE (Path 42 1500 MW Upgrade Project) | 12-2013 |
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|  | 08-16-11 | N | By email this date, Southern California Edison (SCE) initiated Phase 1 of the Project Rating Review Process for the Path 42 1500 MW Upgrade Project. Path 42 currently has an Existing Rating of 600 MW E-W and recently SCE initiated the Project Rating Review Process for an interim path rating increase on this path from 600 MW to 800 MW. However, due to upgraded transmission facilities in both SCE’s and IID’s systems and the addition of a new SPS, the Path 42 rating is expected to increase by 700 MW to an Accepted Rating of 1500 MW. |  |
|  | 11-29-11 | C | 11-29-11 By e-mail this date, Southern California Edison distributed the Project Coordination Review Report for 30-day review. Due to upgraded transmission facilities in both SCE’s and IID’s systems and the implementation of an SPS associated with the Plan of Service for this project, the rating is expected to increase by 700 MW from 800 MW to 1500 MW E-W. |  |
|  | 04-03-12 | N | By email a letter from the TSS Vice-Chair indicated completion of Phase 1 requirements for the Path 42 1500 MW Project. This project has achieved Phase 2 status in the WECC Project Rating Review Process with a planned rating of 1,500 MW east-to-west. |  |
|  | 08-16-13 | S | By email this date SCE and IID are actively moving forward with securing this rating. The email also laid out the scope of the studies and development of a base case. |  |
|  | 08-11-14 | S | By email this date notice of activities undertaken since the last notice of Aug 16, 2013 jointly by SCE, IID, and CAISO to perform the Path 42 - 1,500 MW Upgrade Study. SCE requests that PRG members review the base case to ensure systems are appropriately modeled and new projects are included.  Additionally, notice of scheduling PRG conference call beginning in Sept 2014 was provided. |  |
|  | 8-11-14 | S | By email this date received study scope draft and update to plan |  |
|  | 8-24-16 |  | Discussed in TSS this date. Project is on hold per David Franklin |  |

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| **03-1-06** | Nevada Hydro Company, Inc. (TNHC) and The Lake Elsinore Valley Municipal Water District (EMVWD) | **N** | Lake Elsinore Advanced Pump Storage Project (LEAPS) and the Talega-Escondido/Valley-Serrano 500 kV Interconnection | **2007/2009** |
|  |  | **N** | 03-1-06 The Nevada Hydro Company, Inc. (TNHC) and it’s partner The Lake Elsinore Valley Municipal Water District (EMVWD) requested the initiation of the Project Rating Review process for establishing an accepted rating for Lake Elsinore Advanced Pump Storage Project (LEAPS) and the Talega-Escondido/Valley-Serrano 500 kV Interconnection |  |
|  |  | **S** | 03-23-06 By e-mail this date TNHC indicated the LEAPS had not been listed as a project in the WECC rating process. |  |
|  |  | **S** | 03-28-06 By e-mail this date TNHC requested support from the CISO for the LEAPS project. |  |
|  |  | **C** | 03-28-06 By e-mail this date the NWPP requested background information on the transmission associated with the LEAPS project. |  |
|  |  | **S** | 04-03-06 By e-mail this date TNHC sent information about the LEAPS project to the NWPP. |  |
|  |  | **S** | 04-26-06 By e-mail this date TNHC sent a copy of the **Congressional Delegation letter to the LEAPS review team.** |  |
|  |  | **S** | 04-26-06 By e-mail this date TNHC thanked the review team for helping with the draft report. |  |
|  |  | **S** | 04-26-06 By e-mail this date APS submitted comments regarding the submission of project studies directly to DOE. |  |
|  |  | **S** | 02-23-07 By e-mail this date TNHC distributed a letter indicating that the final FERC Environmental Impact Study for the LEAPS Project is available on the WECC website and requested Phase II status. |  |
|  |  | **S** | 03-28-07 By e-mail this date a CPR and letter from TNHC was distributed requesting Phase II status for the LEAPS project. In addition, a request was made for interest in forming a Project Review Group. |  |
|  |  | **C** | 04-27-07 By e-mail this date LADWP submitted comments to the TNHC EIS and indicated that it is deficient the required information for a CPR. |  |
|  |  | **C** | 05-07-07 By e-mail this date SDG&E provided comments as well as noting that the EIS as provided by TNHC doesn’t address CPR-required topics. |  |
|  |  | **C** | 05-08-07 By e-mail this date SRP noted that the TNHC EIS doesn’t contain information required by a CPR. |  |
|  |  | **S** | 09-25-08 By e-mail this date TNHC indicated that a new consultant (Siemens) has been hired to take this project through the WECC 3-phase Rating Process. TNHC also requested interest in formation of a new PRG. |  |
|  |  | **S** | 11-04-08 By e-mail this date SDGE declared their interest in participating on the PRG for the TE/VS and LEAPS Project. |  |
|  |  | **S** | 12-09-08 By e-mail this date the project sponsor distributed a draft copy of the study plan for this project to the members of the Project Review Group for their review. |  |
|  |  | **C** | 05-12-11 By e-mail this date SDGE requested that TNHC submit a progress report to WECC since it has been over a year since the Phase I study plan was submitted to the PRG and no further information has been distributed. |  |
|  | **August 2016** | **C** | In the August 2016 TSS meeting it was indicated that this project is on hold. |  |

# Projects Removed from Logbook Due to Lack of Communication

Projects that were formerly listed in the Path Rating Progress Logbook but have been removed due to a lack of communication.

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
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| 01-05-15 | Lassen Municipal Utility District (LMUD) | N | Viewland Interconnection Project | Late 2017-early 2018 |
|  |  |  | 01-05-15 By email this date LMUD initiated the WECC Project Coordination Review Process for the Viewland Interconnection Project (“Project”). The existing LMUD system consistes of two 60 kV lines that originate at LMUD’s Westwood Substation which extend eastward the LMUD Honey Lake Substation. NVE’s existing Hilltop -Fort Safe 345 kV line is routed approximately 6 miles east of the Honey Lake Substation. The proposed Project would include a 345 kV interconnection with the NVE 345 kV line, and new Viewland 345/60 kV substation and approximately 6 miles of new 60 kV line between Viewland and Honey Lake substations. The in-service date is late 2017-early 2018. |  |

| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| --- | --- | --- | --- | --- |
| 07-26-11 | Great Basin Energy Development LLC (GBHVDC) | N | Great Basin HVDC Project | 12/2016 |
|  |  |  | 07-26-11 By e-mail this date, Great Basin Eenrgy Development, LLC initated the Project Coordination Review Process for the Great Basin HVDC Project. This project is planned to consist of an underground 400 kV HVDC transmission line approximately 130 miles in length between NVEnergy’s Tracy switching station near Reno, NV and WAPA’s O’Banion switching station near Yuba City, CA. Great Basin also solicited participation in a Project Coordination Review Group and indicated that an initial PCRG meeting would be held in the September/October time frame. |  |

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| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| **1-23-09** | **Sea Breeze Pacific (SBP-RTS)** | **N** | Triton South |  |
|  |  |  | 01-23-09 By e-mail this date, Sea Breeze Pacific (SBP-RTS) initiated Phase I of the Project Rating Review Process for the Triton South Project. This project consists of two 1100 MW HVDC Light interconnections, one between Gold River Substation on Vancouver Island, British Columbia, Canada, and Moraga Substation in San Francisco, CA, and one between Port Alberni Substation on Vancouver Island, British Columbia, Canada and Embarcadero Substation in San Francisco, CA. |  |

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| **Date** | **Entity** | **Code** | **Project Name** | **Effective Date** |
| **10-30-06** | **Sea Breeze Pacific** | **N** | See Breeze Pacific West Coast Cable Project | **2010** |
|  |  | **N** | 11-01-06 By e-mail this date WECC distributed the October 30, 2006 Sea Breeze Pacific letter requesting initiation of the Project Rating Review Process for a new 500 kV DC bi-pole connection between Alston, OR and the San Francisco Bay area. A review group meeting is proposed for November 20, 2006 in Seattle, WA. |  |
|  |  | **C** | 11-09-06 By e-mail this date Sea Breeze Pacific proposed an initial meeting of the Project Review Group to be held 11-20-06 in Portland, OR. |  |
|  |  | **C** | 11-17-06 By e-mail this date WECC distributed an email from Sea Breeze Pacific indicating that the initial meeting of the Project Review Group was being changed from November 20 to December 20, 2006. |  |
|  |  | **S** | 05-28-09 By e-mail this date Puget Sound Energy requested membership in the Phase II Project Review Group for the West Coast Cable Project. |  |