

# PCDS Meeting

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*WECC*

**Electric Reliability  
& Security for the West**

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## 2034 ADS Update

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- PNNL Review for C-PAGE
- Will post after PNNL Review
- Latest case posted to PCDS Team Site
  - PCDS Team Site
    - 2034 ADS Files
      - 2034 ADS PCM V3.2 – DRAFT
        - 2036-01-07\_2034 ADS PCM V3.2 RMT3 USE



<Limited-Disclosure>

# 2036 ADS

# Update

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- Added units in L&R, not in power flow
- Working on alignment to power flow

# Review

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- Path Ratings — Review
- Wheeling Rates — Review
- Wind and Solar PTC's — Review

# To Do

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- Generator Alignment to Power Flow
- Load Modifiers
  - EE
  - BTM ES
- Bus Load Area
  - Define bus area: Ownership, reporting, geographic area. Review.
- Review Wheeling Rates (PCDS)



## 2036 Tasks

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- NW Hybrid Hydro Year
- Path Ratings
- Fuel Prices
- CO2 Prices
- Maintenance
- Hourly Profile Review on PCDS Team Site
- Review Heat Rates

## 2036 ADS Tasks-Done

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- Dealing with leap year loads and hourly profiles, duplicate Feb 28, or Dec 31, or GV shape shift, or don't do leap year.
  - PCDS Decision—GV shape shift
    - Consider proxy year in the future
- Deflator/Inflator—CA Department of Finance
  - <https://dof.ca.gov/forecasting/economics/economic-forecasts-u-s-and-california/>
- Loads review
  - Historical loads added in
  - Show Non-conforming load clipping
- Review generator units under contract for 2036 ADS — Exempt from hurdle rates for out of area units.



## 2036 Tasks—Done

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- Generator Alignment APFTF
  - Sent APFTF list of units for review
  - Will post list of WECC placements
- Gen names to include Area and dev status for 2036 ADS
- Compare 2034 and 2036 bus names and numbers and kV
- Ask PCDS to share historical hourly wind/solar data, reach out to Nader Samaan, have NDA in place for validation.
  - Possibly in Velocity Suite
  - Ask PNNL to present on assumptions for profiles
- Wheeling Rates—Done
- Shorten generator subtypes—Done
- Generator Dev Status—Done in meeting
  - Review Dev status and review order in Sim control for 2036 ADS
  - Add "Under Construction" gen status and "T2(T3) Operable" Dev status for 2036 ADS

# 2036 Wheeling (Tariff) Rates

|       | 2034 ADS Rates (\$/MWh) | 2036 ADS Rates (\$/MWh) | \$Difference |
|-------|-------------------------|-------------------------|--------------|
| AESO  | 1.18                    | 1.23                    | \$ 0.05      |
| BCHA  | 3                       | 3                       | \$ -         |
| IPCO  | 3.51                    | 3.69                    | \$ 0.18      |
| PACE  | 4.25                    | 6.06                    | \$ 1.81      |
| BANC+ | 4.77                    | 7.17                    | \$ 2.40      |
| CFE   | 4.8                     | 4.8                     | \$ -         |
| CISO  | 14.45                   | 14.62                   | \$ 0.17      |
| IID   | 3.82                    | 3.82                    | \$ -         |
| LDWP  | 4.022                   | 4.022                   | \$ -         |
| TIDC  | 12.42                   | 13.4553                 | \$ 1.04      |
| AVA   | 3.43                    | 3.43                    | \$ -         |
| BPAT+ | 4.74                    | 5.88                    | \$ 1.14      |
| NWMT+ | 5.42                    | 5.65                    | \$ 0.23      |
| PACW  | 4.25                    | 6.06                    | \$ 1.81      |
| PGE   | 1.6                     | 1.6                     | \$ -         |
| PSCO  | 1.584                   | 1.58                    | \$ -         |
| WACM  | 3.59                    | 3.96                    | \$ 0.37      |
| AZPS  | 4                       | 5.42                    | \$ 1.42      |
| EPE   | 3.1                     | 3.4                     | \$ 0.30      |
| NVE   | 0.01/0                  | 3.33                    | \$ 3.33      |
| PNM   | 8.03                    | 10.76                   | \$ 2.73      |
| SRP   | 3.51                    | 4.78                    | \$ 1.27      |
| TEPC  | 2.679                   | 3.75                    | \$ 1.07      |
| WALC  | 2.44                    | 2.41                    | \$ (0.03)    |

Incorrect Rate? Please email  
[bwilde@wecc.org](mailto:bwilde@wecc.org)



# 2036 Wheeling Rate Sources

|       | Wheeling Rate Source                                                                                                                                                                                                                                                                                                                                                                                      |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AESO  | <a href="https://www.aeso.ca/rules-standards-and-tariff/tariff/iso-tariff/">https://www.aeso.ca/rules-standards-and-tariff/tariff/iso-tariff/</a>                                                                                                                                                                                                                                                         |
| BCHA  | <a href="https://www.bchydro.com/content/dam/BCHydro/customer-portal/documents/corporate/suppliers/transmission-scheduling/bulletins/2025/2025_03_26_BCUC_OATT_G_76_25.pdf">https://www.bchydro.com/content/dam/BCHydro/customer-portal/documents/corporate/suppliers/transmission-scheduling/bulletins/2025/2025_03_26_BCUC_OATT_G_76_25.pdf</a>                                                         |
| IPCO  | <a href="https://edocs.puc.state.or.us/efdocs/HAQ/ro9haq336614034.pdf">https://edocs.puc.state.or.us/efdocs/HAQ/ro9haq336614034.pdf</a>                                                                                                                                                                                                                                                                   |
| PACE  | <a href="https://www.oasis.oati.com/woa/docs/PPW/PPWdocs/Rate_Table_20250601.pdf">https://www.oasis.oati.com/woa/docs/PPW/PPWdocs/Rate_Table_20250601.pdf</a>                                                                                                                                                                                                                                             |
| BANC+ | <a href="https://www.oasis.oati.com/woa/docs/SMD1">https://www.oasis.oati.com/woa/docs/SMD1</a>                                                                                                                                                                                                                                                                                                           |
| CFE   | <a href="https://www.wapa.gov/wp-content/uploads/2025/03/COTP-Transmission-Service-Rate-Update.pdf">https://www.wapa.gov/wp-content/uploads/2025/03/COTP-Transmission-Service-Rate-Update.pdf</a>                                                                                                                                                                                                         |
| CISO  | <a href="https://www.caiso.com/notices/updated-wheeling-access-charge-rates-effective-1-30-26">https://www.caiso.com/notices/updated-wheeling-access-charge-rates-effective-1-30-26</a>                                                                                                                                                                                                                   |
| IID   | <a href="https://www.oasis.oati.com/woa/docs/IID/IIDdocs/IID_OATT_Effective_December_9_24_Version_Clean_and_Final.pdf">https://www.oasis.oati.com/woa/docs/IID/IIDdocs/IID_OATT_Effective_December_9_24_Version_Clean_and_Final.pdf</a>                                                                                                                                                                   |
| LDWP  | <a href="https://www.oasis.oati.com/woa/docs/LDWP/LDWPdocs/LADWP_OATT_CLEAN_VERSION_for_Minor_Tariff_Change_(REVISED_Govt_1_Person_Use_Certificate)_7-24-20.pdf">https://www.oasis.oati.com/woa/docs/LDWP/LDWPdocs/LADWP_OATT_CLEAN_VERSION_for_Minor_Tariff_Change_(REVISED_Govt_1_Person_Use_Certificate)_7-24-20.pdf</a>                                                                               |
| TIDC  | <a href="https://www.oasis.oati.com/woa/docs/TANC/TANCdocs/TANC_OATT_Effective_July_1_2022_-_FINAL_-_Full_Document_(D0488236x8DF41).pdf">https://www.oasis.oati.com/woa/docs/TANC/TANCdocs/TANC_OATT_Effective_July_1_2022_-_FINAL_-_Full_Document_(D0488236x8DF41).pdf</a>                                                                                                                               |
| AVA   | <a href="https://www.oasis.oati.com/woa/docs/AVAT/AVATdocs/Avista_OATT_Generated_on_11.6.25.pdf">https://www.oasis.oati.com/woa/docs/AVAT/AVATdocs/Avista_OATT_Generated_on_11.6.25.pdf</a>                                                                                                                                                                                                               |
| BPAT+ | <a href="https://www.bpa.gov/-/media/Aep/rates-tariff/bp-26/Final-Transmission-Rate-Schedules-and-GRSPs.pdf">https://www.bpa.gov/-/media/Aep/rates-tariff/bp-26/Final-Transmission-Rate-Schedules-and-GRSPs.pdf</a>                                                                                                                                                                                       |
| NWMT+ | <a href="https://northwesternenergy.com/docs/default-source/default-document-library/billing-and-payment/rates-and-tariffs/montana/2024-montana-rate-review/partial-electric-settlement-w-exhibits.pdf">https://northwesternenergy.com/docs/default-source/default-document-library/billing-and-payment/rates-and-tariffs/montana/2024-montana-rate-review/partial-electric-settlement-w-exhibits.pdf</a> |
| PACW  | <a href="https://www.oasis.oati.com/woa/docs/PPW/PPWdocs/Rate_Table_20250601.pdf">https://www.oasis.oati.com/woa/docs/PPW/PPWdocs/Rate_Table_20250601.pdf</a>                                                                                                                                                                                                                                             |
| PGE   | <a href="https://www.oasis.oati.com/woa/docs/PGE/PGEdocs/SCHEDULE_8.pdf">https://www.oasis.oati.com/woa/docs/PGE/PGEdocs/SCHEDULE_8.pdf</a>                                                                                                                                                                                                                                                               |
| PSCO  | <a href="https://doc.westconnect.com/Documents.aspx?NID=21261">https://doc.westconnect.com/Documents.aspx?NID=21261</a>                                                                                                                                                                                                                                                                                   |
| WACM  | <a href="https://www.wapa.gov/wp-content/uploads/2025/10/FY2026_Transmission_and_Ancillary_Services_Rates_Table_8.22.25.pdf">https://www.wapa.gov/wp-content/uploads/2025/10/FY2026_Transmission_and_Ancillary_Services_Rates_Table_8.22.25.pdf</a>                                                                                                                                                       |
| AZPS  | <a href="https://www.oasis.oati.com/woa/docs/AZPS/AZPSdocs/2025_Effective_Formula_Rates_20250601.pdf">https://www.oasis.oati.com/woa/docs/AZPS/AZPSdocs/2025_Effective_Formula_Rates_20250601.pdf</a>                                                                                                                                                                                                     |
| EPE   | <a href="https://doc.westconnect.com/documents.aspx?NID=21261&amp;dl=1">https://doc.westconnect.com/documents.aspx?NID=21261&amp;dl=1</a>                                                                                                                                                                                                                                                                 |
| NVE   | <a href="https://www.oasis.oati.com/woa/docs/NEVP/NEVPdocs/Pending_Clean_OATT_3-26-2025.PDF">https://www.oasis.oati.com/woa/docs/NEVP/NEVPdocs/Pending_Clean_OATT_3-26-2025.PDF</a>                                                                                                                                                                                                                       |
| PNM   | <a href="https://www.oasis.oati.com/woa/docs/PNM/PNMdocs/2025_OATT_Service_Rates_Table_Effective_06-01-2025_No_Commas.pdf">https://www.oasis.oati.com/woa/docs/PNM/PNMdocs/2025_OATT_Service_Rates_Table_Effective_06-01-2025_No_Commas.pdf</a>                                                                                                                                                           |
| SRP   | <a href="https://www.oasis.oati.com/woa/docs/SRP/SRPdocs/Tariff_Price_Summary-Effective_11.1.2025.pdf">https://www.oasis.oati.com/woa/docs/SRP/SRPdocs/Tariff_Price_Summary-Effective_11.1.2025.pdf</a>                                                                                                                                                                                                   |
| TEPC  | <a href="https://www.oasis.oati.com/woa/docs/TEPC/TEPCdocs/TEP_OATT_Attachment_H_as_filed_with_FERC_Less_Abandoned_Plant.pdf">https://www.oasis.oati.com/woa/docs/TEPC/TEPCdocs/TEP_OATT_Attachment_H_as_filed_with_FERC_Less_Abandoned_Plant.pdf</a>                                                                                                                                                     |
| WALC  | <a href="https://www.wapa.gov/wp-content/uploads/2025/08/Notice-of-Rates-FY26.pdf">https://www.wapa.gov/wp-content/uploads/2025/08/Notice-of-Rates-FY26.pdf</a>                                                                                                                                                                                                                                           |

# GV Enhancements

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- Developing Dependable Capacity Table for the Maintenance Enhancement

## Interface/Path Ratings Updates

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- For 2036 v1.0 case, WECC using the 2025 Path Rating Catalog and 2036 Heavy Summer case
- WECC still reviewing the path definitions in the PCM and looking for consistency with the interface definitions in the 2036 power flow case
- Received an updated .epc file (power flow topology) for the CrossTie project and confirmed there are no new updates for the Southwest Intertie project
- Waiting to hear back on the SunZia, TransWest Express and RioSol projects

# Interface/Path Rating Updates

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- Path Rating Catalog updates from 2024 to 2025
  - P04 West of Cascades North — rating change from 10700 MW to 10850 MW (not including the Evolving Grid project impacts)
  - P06 West of Hatwai (East to West) — rating change from 4277 MW to 4800 MW (impacted by the Phase III-25. West of Hatwai project)
  - P66 COI — rating change from 4800 to 5100 MW
  - P54 Coronado–Silver King 500 kV removed in Path Rating Catalog 2025
  - P90 Aeolus South added in Path Rating Catalog 2025
  - Newly added Phase II RioSol Transmission project—500kV line between RS East (central New Mexico) and APS Saguaro (central Arizona)



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