



# 2034 ADS PCM Report Out

December 13, 2023

Jon Jensen

# 2034 ADS Initial Release (V1.0) Timeline (2023 L&R data)

- February 1–July 1, 2023: PCDS determines which other data needs to be updated for 2034 ADS PCM
  - PCDS determines schedule for reviewing data, Stand-up Anchor Power Flow Task Force (APFTF), Finalize which other data will be updated for 2034 ADS PCM
- July 1–December 31, 2023: Create, collect, and implement other data (PCDS and WECC, consultant and national labs)
  - Including updates for hourly profiles, hydro data, heat rate data, loads, etc. if needs are identified by PCDS
  - Also including possible modeling and software enhancements
- July 1, 2023–January 15, 2024: Use L&R resource data received in 2023 to build 2034 ADS.
  - Compare 2023 L&R resources to 2022 L&R resources. Begin mapping the L&R resources to the 2034 Heavy Summer 1 (34HS1) power flow (PF) pre-run case
  - Verify mapping using the finalized 34HS1 PF
  - APFTF complete mapping and place planned resources
  - Pacific Northwest National Laboratory (PNNL) add L&R planned resources to 34HS1 PF to create 2034 Reference PF and solve 2034 Reference PF with only L&R resources and validation of solved PF
  - All resources added to 2034 Reference PF (WECC)
  - Import reference PF into PCM, add all resource data into PCM (WECC and consultant)
  - Validate 2034 ADS PCM v1.0
    - Verify resource placement and definitions in PCM and PF (PCDS and consultant)
    - Validate inputs using enhanced data checks to the ADS PCM (PCDS and consultant)
- **January 15, 2024: Release 2034 ADS PCM and PF V1.0**

# 2034 ADS Subsequent Release (V2.0) Timeline

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- Add consultant work as needed
- February 1–April 15, 2024:
  - By March 15, 2024: Validate 2024 L&R data,
  - By April 15: Update 2034 ADS loads using the validated 2024 L&R data
- February 1–April 30, 2024: Map and add incremental L&R resources to the 2034 Reference PF
  - By March 15, 2024: Validate the resources in the 2034 L&R
  - March 15, 2024–March 31, 2024: APFTF complete mapping and place planned resources
  - April 1, 2024–April 15, 2024: PNNL add L&R planned resources to 34HS1 PF to create 2034 Reference PF and solve 2034 Reference PF (all resources in)
- February 1–May 31, 2024 PCDS and WECC staff to update all other data required for ADS PCM and add to ADS PCM (this is continued work that started in 2023; may need support from consultants and national labs)
- June 1–June 30, 2024: Validate 2034 ADS PCM V2.0 (PCDS and consultant)
- June 30, 2024: Release 2034 ADS PCM and PF V2

# Notes

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- Post on January 17 instead of January 15

# 2034 ADS V1

PCDS Meeting	Discussion	Notes
May 24, 2023	V1_BC Hydro Data	Decision approved in PCDS
June 7, 2023	V1_Load Shapes	Decision approved in PCDS
July 12, 2023	V1_ Demand Response Shapes	Decision approved in PCDS
July 12, 2023	V1_ Energy Efficiency	Decision approved in PCDS
July 12, 2023	V1_ Electric Vehicle Loads	Decision approved in PCDS
July 12, 2023	V1_ Electrification Loads	Decision approved in PCDS
July 19, 2023	V1_Transmission Contingencies	TBD
July 19, 2023	V1_Phase Shifter Transformers	Discussion presented to keep as is, look at output from 2034 ADS PCM case
August 2, 2023	V1_ BTM PV	Decision approved in PCDS
August 2, 2023	V1_ BTM Storage	Data Source Decision approved in PCDS/TBD on how to model
August 30, 2023	V1_Hourly Utility Scale Solar shapes	Today
August 30, 2023	V1_Hourly Wind Shapes	Today
September 13, 2023	V1_ Cycling Data (Start costs, other)	Decision approved in PCDS
September 13, 2023	V1_ Min up/down time	Decision approved in PCDS
September 13, 2023	V1_ Ramp Rates	Decision approved in PCDS
September 27, 2023	V1_ Heat rates	Decision approved in PCDS
October 11, 2023	V1_BTМ PV Shapes and modeling methodology	Decision approved in PCDS

PCDS Meeting	Discussion	Notes
October 11, 2023	V1_FOR	Decision approved in PCDS
October 25, 2023	V1_Path definitions/ratings - WECC Paths	Decision approved in PCDS
October 25, 2023	V1_Review all interfaces - Non WECC Paths	Decision approved in PCDS
November 8, 2023	V1_Transmission Nomograms	Decision approved in PCDS
November 8, 2023	V1_EPE and TEPC load and generation balance nomograms	Decision approved in PCDS
December 6, 2023	V1_Wheeling Rates (from utility tariffs)	Decision approved in PCDS
December 13, 2023	V2_ Natural Gas Prices	TBD
December 13, 2023	V2_ Coal Prices	TBD
December 13, 2023	V2_ Uranium Prices	TBD
December 13, 2023	V2_ Other fuels Prices	TBD
December 13, 2023	V2_Deflator/Inflator rates	TBD
	Resources	
January 3-17, 2024	Review	
January 17, 2024	Post 2034 ADS V1	

# 2034 ADS V2



PCDS Meeting	Discussion	Notes
January 17, 2024	V2_CO2 prices California	TBD
January 17, 2024	V2_CO2 prices Washington Oregon	TBD
January 17, 2024	V2_CO2 prices BC and Alberta	TBD
January 31, 2024	V2_Variable O&M for all thermal generator types	TBD
January 31, 2024	V2_Variable O&M for all Non-thermal generator types	TBD
January 31, 2024	V2_BC Hydro Data	TBD
February 14, 2024	V2_Dispatch price for wind, solar, and hydro (Also called opportunity cost)	TBD
February 14, 2024	V2_Load Shapes using latest L&R Data	TBD
March 13, 2024	V2_ Demand Response Shapes	TBD
March 13, 2024	V2_ Energy Efficiency	TBD
March 13, 2024	V2_Load-Following and Regulation reserve calculations	TBD

PCDS Meeting	Discussion	Notes
March 27, 2024	V2_ Electric Vehicle loads	TBD
March 27, 2024	V2_ Electrification Loads	TBD
March 27, 2024	V2_ BTM PV	TBD
March 27, 2024	V2_ BTM Storage	TBD
March 27, 2024	V2_ Maintenance Schedule	TBD
March 27, 2024	V2_ Load-Following and Regulation reserve calculations	TBD
April 10, 2024	V2_ Hourly Utility Scale Solar shapes	TBD
April 10, 2024	V2_ Hourly Wind Shapes	TBD
April 10, 2024	V2_ BTM PV Shapes and modeling methodology	TBD
April 10, 2024	V2_ Path definitions/ratings - WECC Paths	TBD
June 30, 2024	Post 2034 ADS V2	



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