

PCDS Meeting

Jon Jensen
WECC

Anuj Patil, Andrew Fay, Brandon Wilde
WECC

**Electric Reliability
& Security for the West**

April 22, 2026



2036 ADS V1.0



2036 ADS V1.0 Updates

- Cleaning up the 2036 ADS V1.0 (1a)
 - Gen Distribution fixes
 - Will provide the scenario when finished
- Running new case, verifying case with PNNL
- Creating matching power flow



2036 ADS V2.0



2036 ADS PCM V2.0

- Comparing 2025 L&R to 2026 L&R to PCM
 - Identified units to add, delete, modify. We are working on incorporating those edits.
- Generator location review for APFTF and PCDS
 - Spreadsheet will be posted showing units with bad locations and proposed locations.
 - Show spreadsheet
- Comparing projects: L&R, EIA, Stephen's list
 - Cutoff Date – May 6



2036 ADS PCM V2.0

- Define Hybrid/Co-located
 - Decide which to model, Co-located (Proposed)
 - PCDS Decision: Co-located
 - Decide how to model
 - Grid charging (proposed)
 - PCDS Decision: Default Grid charging
 - PCDS Discussion: L&R Limit, solar/wind limit
 - Summarize L&R Grid or site charging, and MW,
 - Cycles per day: 1. Only limit if we have the information, can't model at the moment. Check cycles per day in case. Idea for GV to show cycles per day.
 - Ask for cycles per day in L&R
- Decide on Battery type 10 being used
 - PCDS Decision: Use with new 26L&R batteries. Confirm with Hitachi on use of charge and discharge price with MIO.
- Discuss fuel prices and sources
 - NG and Coal prices (EIA 923 5-year avg), Fuel Oil updates
 - Need to do



Nomogram

Co-Located or Hybrid Battery Operation Requirements



Nomogram Definition

Basic Definition

Name: Monitored

Limit for Commitment*:

Limit for Disptach*:

Penalty for Commitment*:

Penalty for Disptach*:

Notes:

LMPCalculationFlag

List of nomogram items:

Name	Type	Coefficient
BS_CL_Antelope	Generator	1
BS_CL_Antelope	Generator RU AS	1
BS_CL_Antelope	Generator SPR AS	1
BS_CL_Antelope	Generator LFU AS	1
BS_CL_Antelope	Generator FR AS	1
Solar_CL_Antelope	Generator	1
Solar_CL_Antelope	Generator LFU AS	1

Nomogram Item Definition

Select a generator
 Select an interface
 Select a load bus
 Select a load area
 Select a generator down ancillary service
 Select a generator up ancillary service
 Select a generator on-line capacity
 Select a generator head room
 Select a generator regulation down AS
 Select a generator load following down AS
 Select a generator regulation up AS
 Select a generator spinning reserve AS
 Select a generator non-spin reserve AS
 Select a generator load following up AS
 Select a generator frequency response AS
 Select a nomogram

By type
 By subtype
 By area
 By region

UnitName	BusID	BusName	UnitID	BuskV
0162-wD_30...	30532	0162-wD	Fw	21
0227-wD_30...	30507	0227-wD	Fw	12.47
0354-wD_30...	30522	0354-wD	EW	21
10011_ADS3...	1000	Bus1000	PV	0
100B-Ekola F...	67687	EKOLA FL...	1	0.72
100B-Ekola F...	67690	EKOLA FL...	1	0.72
10319_ADS3...	1000	Bus1000	1	0
10320_ADS3...	1000	Bus1000	1	0
10969_ADS3...	1000	Bus1000	WT	0
10999_ADS3...	1000	Bus1000	WT	0
11112_ADS3...	1000	Bus1000	1	0
11113_ADS3...	1000	Bus1000	1	0
11114_ADS3...	1000	Bus1000	1	0
11115_ADS3...	1000	Bus1000	CC	0
11116_ADS3...	1000	Bus1000	CC	0
11133_ADS3...	1000	Bus1000	1	0



2036 ADS PCM V2.0

- Hydro hybrid year for 2036, in progress
- Documentation spreadsheet
 - Located on PCDS team site
- Projects update



NERC Status Codes – EIA Status Codes of Projects to Add

- P Planned for installation but not under active construction
- L Regulatory approval pending but not under active construction (started site preparation)
- T Regulatory approval received but not under active construction
- U Under active construction, less than or equal to 50% complete (based on construction time to first electric date)
- V Under active construction, more than 50% complete (based on construction time to first electric date)
- TS Construction completed but not yet in commercial operation (including low power testing of nuclear units)
- A Generator capability increased (rerated or relicensed)
- D Generator capability decreased (rerated or relicensed) (note reason in comments field)
- M Generator to be put in deactivated shutdown status
- RA Previously retired or deactivated generator planned for reactivation
- RC Retirement, committed
- RU Retirement, uncommitted
- FC Existing generator planned for conversion to another fuel or energy Source
- IP Indefinitely postponed
- CO Change of ownership (including change of shares of jointly owned units)



2036 ADS V2.0 Definitions

- 2L— L&R based, only LnR units enabled
 - “2036 ADS PCM V2.0 LnR (2L)”
- 2P — Only PF enabled
 - “2036 ADS PCM V2.0 PF Only (2P)”
- 2PL — PF units enabled with some L&R units turned on to relieve USE
 - “2036 ADS PCM V2.0 PF Only with L&R for USE (2PL)”



ENGAGE WITH WECC





engage@wecc.org



www.wecc.org | 801-582-0353



155 N 400 W, Salt Lake City, Utah 84103, USA