



PCDS Meeting

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Power Flows

- Vocabulary
 - **Base PF Case:** 2034HS1—Original power flow that the SRS built
 - **ADS PF Case:** 2034HS1_ADS—Modified 2034HS1 power flow case with L&R supply changes and approved supply and transmission changes

Manage NW Paths w/BPA Trans Changes

- Maintain existing WECC Paths as defined in the Path Catalog
- For WECC Paths impacted with BPA transmission changes:
 - Create duplicate Path that includes BPA changes
 - Ex. Name: P04 West of Cascades-North E-W w/BPA Upgrade
 - Update Path Rating to BPA or approved value
 - Monitored interfaces
 - Turn off existing WECC Path
 - Name: P04 West of Cascades-North E-W (Existing)
 - Turn on new interface with BPA transmission changes

Manage NW Paths w/BPA Trans Changes

- Update existing BPA interfaces with transmission change
 - Line and ratings
- Should other BPA interfaces be monitored in the Base Case?

Example Pmax Example

- Managing max rating between the PF and the PCM
- PF models gross rating
- PCM models net rating: = gross – station service
- Example issue: Fredonia GT 1
- What do we model in the PCM?
 - PF summer
 - LnR winter w/seasonal derate
 - HR curve with w/seasonal derate

Compare Rating (MW)			
	PF	LnR	EIA-860
Summer	93.4	93.4	93.0
Winter		114.0	114.0
Win-Sum		20.6	21.0
Sum/Win		81.9%	81.6%

California PPA Imports

- Should flow on Path 27: = generation from IPP CC J and contracted renewable supply in Utah area
 - Flow is exempt from CO2 import fee
- Current SW to CA is defined as an interface
 - Optional change: Change to nomogram that includes VEA load to be served with CA contracted imports

Modeled Supply

- PNNL is reviewing PCM location of supply with PF generators
- PGE provided their review of NW supply to WECC
 - Will be used to review/update ongoing work
- Other supply issues
 - Aggregation of supply hydro and renewable when appropriate
 - Update PCM with EIA Plant ID and Gen ID
 - Maintain mapping of LnR/EIA supply with PF case

Updates

- CAISO approved VEA updates: permission to use as change case
- Alignment updates, many DG, netted, ignore, aggregated, retired, or not sure
- PCM capacity to match Summer/Winter max, or Nameplate for renewables where appropriate
- Updates to maintenance
 - Days, ex. 86 days
 - Some derated and were not out

To Do 1

- Continue with alignment of supply with PF case
 - Some data submitters had extensions
 - 2028/30 check
 - Add retired units into PCM
- Capacity Rule—PCM Max doesn't exceed PF (VAR Margin Ratio)
 - Check if more than 5% change (MW change), need to review. Circle back with plant owners to check. Review list of units that seem out of sync
- Redistribute unmapped units based on unaligned PF units (Update Placement Tool)

To Do 2

- Update NW to California CO2 nomogram with new PPA contracts dedicated to California
- Update SW to California CO2 interface with new PPA contracts dedicated to California
- Sync PF case with PCM changes: supply and transmission changes
 - To create the ADS Base Case (2034HS1a_ADS)

Items and Updates

- SPPC Loads
- Netted units in PF
 - Distribute to Load area in Generator Distribution table
- NW topology changes: Submit as PF base case modification
- NSONGS changes were sent to PF as base case modification



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