

Introduction

The System Review Subcommittee (SRS) compiles steady-state and dynamic base cases to meet WECC's requirements to compile interconnection-wide base cases. The 2024 Base Case Compilation Schedule provides descriptions of and a schedule for base cases to be compiled during the 2023-24 calendar year.

Objectives

1. Provide a detailed schedule, to appropriate stakeholders, identifying necessary data submissions and data review milestones to compile base cases.
2. Identify base cases to be compiled. A typical annual base case compilation schedule includes:
 - a. Five operating cases;
 - b. Two specialized cases;
 - c. One 5-year summer planning case;
 - d. One 5-year winter planning case;
 - e. One 10-year summer planning case; and
 - f. One 10-year winter planning case.

Supporting Information

Promptly submitting steady-state and dynamics data is necessary to maintain the 2024 Base Case Compilation Schedule. If steady-state and dynamic data is submitted late, the SRS will follow the Late Data Procedure provided in WECC's Data Preparation Manual (DPM).

Typical base cases are meant to model anticipated load level but may model slightly heavier or slightly lighter than anticipated load levels to get desired stressed transfer levels on designated paths. Base cases usually include operating cases, five-year cases, 10-year cases, and other cases as requested by the Reliability Assessment Committee (RAC). Specialized base cases aim to represent critical operating conditions like severe weather events, equipment out of service (transmission lines, reactive devices, or static Var compensators), unusual generation patterns due to forced outages, or insecure voltage conditions. Some cases may represent extreme load conditions (up to 105% of forecast peak) in a sub-region. Data submitters should not be reluctant to model a condition due to lack of historical record of the specialized case actually occurring.

The 2024 Base Case Compilation Schedule includes the following base cases:

- Operating base cases
 - [2024-25 Heavy Winter](#)
 - [2024-25 Light Winter](#)
 - [2025 Heavy Spring](#)
 - [2025 Heavy Summer](#)
 - [2025 Light Summer](#)
- Five-year base cases
 - [2029-30 Heavy Winter](#)
 - [2030 Heavy Summer](#)
- 10-year base cases
 - [2034-35 Heavy Winter](#)
 - [2035 Heavy Summer](#)
- Specialized base cases
 - [2025 Light Spring](#)
 - [2034 Light Spring](#)

Generation and load levels in the base case description sheets refer to the season being studied. For example, if a case description sheet for a winter base case calls for high hydro in a specific area, this means high levels of hydro generation for a winter condition. In some areas, a high level of hydro generation in the winter may be less than median hydro generation levels in the spring or summer. Also, light loads may be increased in the importing areas or heavy loads may be decreased in exporting areas to represent the desired interchange schedules. Renewable generation, when specified, should be based on each entity's Renewable Portfolio Standard. Specific information on the desired load levels is in the base case description sheets and should be used as a guide in preparing cases. All loads are coincident unless indicated otherwise. Specified time supersedes specified percentage of load.

Interchange Schedules in the base case description sheets refer to the target flows that should be reached to represent anticipated flow levels and direction for the season being studied. Targets may be changed as anticipated operating conditions become clearer. Where no target flows are specified, actual scheduled transfers should be based on each area's load and generation balance (deficiency/surplus) and economical generation dispatch. Keep the purpose of the case in mind and coordinate schedules between areas before data submission.

Only corrections to the Master Dynamics File or new data for it need to be submitted for each case build.

During the process of compiling each base case, WECC staff and the functional entities participating in the process should follow the data requirements and procedures outlined in the WECC DPM.

Following the documented requirements and procedures will help develop base cases with compatible



steady-state and dynamic data, ensure that the interconnection-wide model is adequate, and continually improve the accuracy of the data submitted.



2024 Base Case Compilation Schedule

Case	Date Data Request Mailed	Date Data Due to Sub-Coordinate L&R Info	Date Data Due to Area Coordinator	Date Area Coordinator Due to WECC Staff	WECC Staff Send Case for Review	Date Comments Due to Area Coordinator	Date Area Coordinator Comments Due to WECC Staff	WECC Staff Finalize Date
2033-34 HW1*	4/14/23	5/5/23	5/12/23	6/9/23	6/30/23	7/21/23	8/11/23	9/1/23
2034 HS1*								
2024 HSP2S*	5/12/23	6/2/23	6/9/23	6/30/23	7/21/23	8/11/23	9/8/23	9/29/23
2025 LSP1S	9/15/23	9/29/23	10/6/23	10/27/23	11/17/23	12/8/23	1/12/24	2/2/24
2024-25 HW3-OP	10/13/23	11/3/23	11/10/23	12/8/23	1/12/24	2/9/24	3/1/24	3/29/24
2024-25 LW1-OP								
2025 HSP1-OP	11/10/23	12/1/23	12/8/23	1/12/24	2/9/24	3/1/24	3/22/24	4/12/24
2029-30 HW2	12/8/23	12/29/23	1/12/24	2/9/24	3/1/24	3/22/24	4/12/24	5/10/24
2030 HS2								
2025 HS4-OP	3/15/24	4/5/24	4/12/24	5/10/24	6/7/24	6/28/24	7/19/24	8/9/24
2025 LS1-OP								
2034-35 HW1	4/12/24	5/3/24	5/10/24	6/7/24	6/28/24	7/19/24	8/9/24	8/30/24
2035 HS1								
2034 LSP1S	5/10/24	5/31/24	6/7/24	6/28/24	7/19/24	8/9/24	9/6/24	9/27/24

* 2023 Case Schedule



CASE DESCRIPTION	2025 LIGHT SPRING—25LSP1S		
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CASE DUE DATES: To Area Coordinator: October 6, 2023
To WECC Staff: October 27, 2023

PURPOSE: *Specialized Case*— To represent a near-term case with very high inverter-based resources and as little thermal generation in California as possible to mimic conditions seen on May 8, 2022.

ITEMS TO BE PREPARED: From Case 2024 HSP1-OP
Stability Data Master Dynamics File
Significant Changes From Existing System

LOADS: Mimic May 8, 2022, conditions, or typical May weekend loads

TIME: 1400–1600 hours MDT

RATINGS: As appropriate for temperatures associated with the conditions modeled.

GENERATION:	<u>HYDRO</u>	<u>THERMAL</u>	<u>RENEWABLE</u>
Canada	--	--	--
Northwest	--	--	--
Idaho/Montana	--	--	--
Colorado/Wyoming	--	--	--
Northern California Hydro	--	--	--
Northern California	--	Low	High
Southern California	--	Low	High
Arizona/New Mexico/Southern Nevada	--	--	--

INTERCHANGE	<u>CONDITION</u>	<u>TARGET</u>	<u>% RATING</u>
Northwest to British Columbia (Path 3)	--	--	--
Northwest to California/Nevada			
COI (Path 66)	South to North	1000	27%
PDCI (Path 65)	South to North	--	--
Midway–Los Banos S-N (Path 15)	South to North	--	--
Idaho to Northwest (Path 14)	--	--	--
Montana to Northwest (Path 8)	--	--	--
Utah/Colorado to Southwest (Path 31, 35, 78)	--	--	--
Southwest to Calif. (EOR Path 49/WOR Path 46)	--	--/--	--/--
Intermountain to Adelanto DC (Path 27)	--	--	--



2024 Base Case Compilation Schedule

San Diego to CFE (Path 45)	--	--	--
Northern to Southern California (Path 26)	--	--	--

¹Minimum flows are required to represent the Canadian Entitlement.



CASE DESCRIPTION	2024-25 HEAVY WINTER—25HW3-OP		
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CASE DUE DATES: To Area Coordinator: November 10, 2023
To WECC Staff: December 8, 2023

PURPOSE: *Operating Case*—To represent anticipated operating conditions with heavy flows from Northwest to California.

ITEMS TO BE PREPARED:

From Case	2023-24 HW3 OP
Stability Data	Master Dynamics File
Significant Changes	From Existing System

LOADS: Expected peak load for the months of December through February

TIME: 1800–2000 hours MST

RATINGS: As appropriate for temperatures associated with the conditions modeled.

GENERATION:	<u>HYDRO</u>	<u>THERMAL</u>	<u>RENEWABLE</u>
Canada	High/Median	--	--
Northwest	High/Median	High	--
Idaho/Montana	Median	High	--
Colorado/Wyoming	Low	High	--
Northern California Hydro	Median	--	--
Northern California	Low	High	--
Southern California	Low	High	--
Arizona/New Mexico/Southern Nevada	Low	High	--

INTERCHANGE	<u>CONDITION</u>	<u>TARGET</u>	<u>% RATING</u>
Northwest to British Columbia (Path 3)	Moderate	1500 ¹	50%
Northwest to California/Nevada–COI (Path 66)	Moderate	2000	42%
PDCI (Path 65)	Heavy	2400	75%
Midway–Los Banos S-N (Path 15)	--	--	--
Idaho to Northwest (Path 14)	--	--	--
Montana to Northwest (Path 8)	Moderate	1400	64%
Utah/Colorado to Southwest (Path 31, 35, 78)	--	--	--
Southwest to Calif. (EOR Path 49/WOR Path 46)	Moderate	4000/5000	43%/47%



2024 Base Case Compilation Schedule

Intermountain to Adelanto DC (Path 27)	Heavy	2100	88%
San Diego to CFE (Path 45)	--	60	15%
Northern to Southern California (Path 26)	Heavy	2800	70%

¹Minimum flows are required to represent the Canadian Entitlement.



CASE DESCRIPTION**2024-25 LIGHT WINTER—25LW1-OP****CASE DUE DATES:**

To Area Coordinator: November 10, 2023

To WECC Staff: December 8, 2023

PURPOSE: *Operating Case*—To represent anticipated operating conditions during light load periods.**ITEMS TO BE PREPARED:**

From Case 2023-24 HW3 OP
 Stability Data Master Dynamics File
 Significant Changes From Existing System

LOADS:

Expected minimum load for the months of December through February

TIME:

0300–0500 hours MST

RATINGS:

As appropriate for temperatures associated with the conditions modeled.

GENERATION:

	<u>HYDRO</u>	<u>THERMAL</u>	<u>RENEWABLE</u>
Canada	Median/Low	--	--
Northwest	Low	Median/Low	--
Idaho/Montana	Median	Median	--
Colorado/Wyoming	Low	Median	--
Northern California Hydro	Median	--	--
Northern California	Low	Median	--
Southern California	--	Median	--
Arizona/New Mexico/Southern Nevada	--	Median	--

INTERCHANGE

	<u>CONDITION</u>	<u>TARGET</u>	<u>% RATING</u>
Northwest to British Columbia (Path 3)	Moderate	1500 ¹	50%
Northwest to California/Nevada			
COI (Path 66)	Low	500-1000	10–20%
PDCI (Path 65)	Low	300	10%
Midway–Los Banos S-N (Path 15)	Moderate	3450	64%
Idaho to Northwest (Path 14)	Moderate	>1000	42%
Montana to Northwest (Path 8)	Heavy	1600	73%
Utah/Colorado to Southwest (Path 31, 35, 78)	--	--	--
Southwest to Calif. (EOR Path 49/WOR Path 46)	Moderate	5100/6900	54%/65%
Intermountain to Adelanto DC (Path 27)	Moderate	1600	67%



2024 Base Case Compilation Schedule

San Diego to CFE (Path 45)	Low	60	15%
Northern to Southern California (Path 26)	Low	-1000	33% (S-N)

¹Minimum flows are required to represent the Canadian Entitlement.



CASE DESCRIPTION**2025 HEAVY SPRING—25HSP1-OP****CASE DUE DATES:**

To Area Coordinator: December 8, 2023

To WECC Staff: January 12, 2024

PURPOSE: *Operating Case*—To represent anticipated operating conditions with high flows from Northwest to California.

ITEMS TO BE PREPARED:

From Case 2024 HSP1 OP
Stability Data Master Dynamics File
Significant Changes From Existing System

LOADS:

Expected peak load for the months of March through May

TIME:

1600–2000 hours MDT

RATINGS:

As appropriate for temperatures associated with the conditions modeled.

GENERATION:

	<u>HYDRO</u>	<u>THERMAL</u>	<u>RENEWABLE</u>
Canada	Median	--	--
Northwest	High	Low	--
Idaho/Montana	High	Median	--
Colorado/Wyoming	Median	Median	--
Northern California Hydro	Median	--	--
Northern California	High	Low	--
Southern California	--	--	--
Arizona/New Mexico/Southern Nevada	Median	Median	--

INTERCHANGE

	<u>CONDITION</u>	<u>TARGET</u>	<u>% RATING</u>
Northwest to British Columbia (Path 3)	Moderate	1400 ¹	46%
Northwest to California/Nevada			
COI (Path 66)	Maximum	4800	100%
PDCI (Path 65)	Heavy	2800	88%
Midway–Los Banos S-N (Path 15)	--	--	--
Idaho to Northwest (Path 14)	Low	-400	33%
Montana to Northwest (Path 8)	Moderate	1500	68%
Utah/Colorado to Southwest (Path 31, 35, 78)	--	--	--
Southwest to Calif. (EOR Path 49/WOR Path 46)	Low	3600/4500	38%/43%
Intermountain to Adelanto DC (Path 27)	Heavy	2000	83%
San Diego to CFE (Path 45)	Low	60	15%



2024 Base Case Compilation Schedule

Northern to Southern California (Path 26)	Moderate	2800	70%
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¹Minimum flows are required to represent the Canadian Entitlement.



CASE DESCRIPTION**2029-30 HEAVY WINTER—30HW2****CASE DUE DATES:**

To Area Coordinator: January 12, 2024
To WECC Staff: February 9, 2024

PURPOSE: *General Five-Year Case*—With typical flows through WECC.

ITEMS TO BE PREPARED:

From Case 2028-29 HW2
Stability Data Master Dynamics File
Significant Changes From Existing System

LOADS:

Expected peak load for the months of December through February

TIME:

1800–2000 hours MST

RATINGS:

As appropriate for temperatures associated with the conditions modeled.

GENERATION:

	<u>HYDRO</u>	<u>THERMAL</u>	<u>RENEWABLE</u>
Canada	High	--	--
Northwest	High	High	--
Idaho/Montana	Median	High	--
Colorado/Wyoming	Low	High	--
Northern California Hydro	Median	--	--
Northern California	Low	Median	--
Southern California	Low	Median	--
Arizona/New Mexico/Southern Nevada	Low	Median	--

INTERCHANGE

	<u>CONDITION</u>	<u>TARGET</u>	<u>% RATING</u>
Northwest to British Columbia (Path 3)	Moderate	1500 ¹	50%
Northwest to California/Nevada COI (Path 66)	--	--	--
PDCI (Path 65)	--	--	--
Midway–Los Banos S-N (Path 15)	--	--	--
Idaho to Northwest (Path 14)	--	--	--
Montana to Northwest (Path 8)	--	--	--
Utah/Colorado to Southwest (Path 31, 35, 78)	--	--	--
Southwest to Calif. (EOR Path 49/WOR Path 46)	--	--/--	--/--
Intermountain to Adelanto DC (Path 27)	--	--	--
San Diego to CFE (Path 45)	--	--	--



2024 Base Case Compilation Schedule

Northern to Southern California (Path 26) -- -- --

¹Minimum flows are required to represent the Canadian Entitlement.



CASE DESCRIPTION**2030 HEAVY SUMMER—30HS2****CASE DUE DATES:**

To Area Coordinator: January 12, 2024

To WECC Staff: February 9, 2024

PURPOSE: *General Five-Year Case*—With typical flows through WECC.**ITEMS TO BE PREPARED:**

From Case 2029 HS2
 Stability Data Master Dynamics File
 Significant Changes From Existing System

LOADS:

Expected peak load for the months of June through August

TIME:

1500–1700 hours MDT

RATINGS:

As appropriate for temperatures associated with the conditions modeled.

GENERATION:

	<u>HYDRO</u>	<u>THERMAL</u>	<u>RENEWABLE</u>
Canada	High	--	--
Northwest	Median	High	--
Idaho/Montana	Median	High	--
Colorado/Wyoming	Low	High	--
Northern California Hydro	High	--	--
Northern California	High	High	--
Southern California	Low	High	--
Arizona/New Mexico/Southern Nevada	Low	High	--

INTERCHANGE

	<u>CONDITION</u>	<u>TARGET</u>	<u>% RATING</u>
Northwest to British Columbia (Path 3)	Moderate	<2000	66%
Northwest to California/Nevada			
COI (Path 66)	--	--	--
PDCI (Path 65)	--	--	--
Midway–Los Banos S-N (Path 15)	--	--	--
Idaho to Northwest (Path 14)	--	--	--
Montana to Northwest (Path 8)	--	--	--
Utah/Colorado to Southwest (Path 31, 35, 78)	--	--	--
Southwest to Calif. (EOR Path 49/WOR Path 46)	--	--/--	--/--
Intermountain to Adelanto DC (Path 27)	--	--	--
San Diego to CFE (Path 45)	--	--	--



Northern to Southern California (Path 26) -- -- --

CASE DESCRIPTION 2025 HEAVY SUMMER—25HS4-OP

CASE DUE DATES: To Area Coordinator: April 12, 2024
To WECC Staff: May 10, 2024

PURPOSE: *Operating Case*—To represent anticipated operating conditions during heavy load periods. Heavy flows to California from the Northwest and moderate flows elsewhere.

ITEMS TO BE PREPARED: From Case 2024 HS3 OP
Stability Data Master Dynamics File
Significant Changes From Existing System

LOADS: Expected peak load for the months of June through August

TIME: 1500–1700 hours MDT

RATINGS: As appropriate for temperatures associated with the conditions modeled.

GENERATION:	<u>HYDRO</u>	<u>THERMAL</u>	<u>RENEWABLE</u>
Canada	High	--	--
Northwest	Median/High	High	--
Idaho/Montana	Median	High	--
Colorado/Wyoming	Low	High	--
Northern California Hydro	High	--	--
Northern California	High	High	--
Southern California	Low	High	--
Arizona/New Mexico/Southern Nevada	Low	High	--

INTERCHANGE	<u>CONDITION</u>	<u>TARGET</u>	<u>% RATING</u>
Northwest to British Columbia (Path 3)	Heavy	-2300	73%
Northwest to California/Nevada			
COI (Path 66)	Maximum	4800	100%
PDCI (Path 65)	Heavy	2800	88%
Midway–Los Banos S-N (Path 15)	--	--	--
Idaho to Northwest (Path 14)	Light	--	--
Montana to Northwest (Path 8)	Moderate	1200	55%



2024 Base Case Compilation Schedule

Utah/Colorado to Southwest (Path 31, 35, 78)	--	--	--
Southwest to Calif. (EOR Path 49/WOR Path 46)	Low/Moderate	3000/5800	32%/57%
Intermountain to Adelanto DC (Path 27)	Heavy	2200	92%
San Diego to CFE (Path 45)	Low	150	37%
Northern to Southern California (Path 26)	Heavy	4000	100%



CASE DESCRIPTION**2025 LIGHT SUMMER—25LS1-OP****CASE DUE DATES:**

To Area Coordinator: April 12, 2024

To WECC Staff: May 10, 2024

PURPOSE: *Operating Case*—To represent anticipated operating conditions during light load periods. Moderate flows from the Northwest to California and moderate to heavy flows from Idaho/Montana to the Northwest.

ITEMS TO BE PREPARED:

From Case	2024 HS3 OP
Stability Data	Master Dynamics File
Significant Changes	From Existing System

LOADS:

Expected minimum load for the months of June through August

TIME:

0400–0600 hours MDT

RATINGS:

As appropriate for temperatures associated with the conditions modeled.

GENERATION:

	<u>HYDRO</u>	<u>THERMAL</u>	<u>RENEWABLE</u>
Canada	Median	--	--
Northwest	Median	--	--
Idaho/Montana	Median	High	--
Colorado/Wyoming	Median	Median	--
Northern California Hydro	Median	--	--
Northern California	--	High	--
Southern California	--	--	--
Arizona/New Mexico/Southern Nevada	--	--	--

INTERCHANGE

	<u>CONDITION</u>	<u>TARGET</u>	<u>% RATING</u>
Northwest to British Columbia (Path 3)	Heavy	-2300	73%
Northwest to California/Nevada			
COI (Path 66)	Maximum	4800	100%
PDCI (Path 65)	Heavy	2800	88%
Midway–Los Banos S-N (Path 15)	--	--	--
Idaho to Northwest (Path 14)	Light	--	--
Montana to Northwest (Path 8)	Moderate	1200	55%
Utah/Colorado to Southwest (Path 31, 35, 78)	--	--	--
Southwest to Calif. (EOR Path 49/WOR Path 46)	Low/Moderate	3000/5800	32%/57%



2024 Base Case Compilation Schedule

Intermountain to Adelanto DC (Path 27)	Low	900-1000	38-42%
San Diego to CFE (Path 45)	Low	150	37%
Northern to Southern California (Path 26)	Heavy	4000	100%



CASE DESCRIPTION 2034-35 HEAVY WINTER—35HW1

CASE DUE DATES: To Area Coordinator: May 10, 2024
To WECC Staff: June 7, 2024

PURPOSE: *General 10-Year Case*—With typical flows through WECC.

ITEMS TO BE PREPARED: From Case 2033-34 HW1
Stability Data Master Dynamics File
Significant Changes From Existing System

LOADS: Expected peak load for the months of December through February

TIME: 1800–2000 hours MST

RATINGS: As appropriate for temperatures associated with the conditions modeled.

GENERATION: Ensure that your entity’s resource planner is consulted concerning the resources being represented in this power flow base case.

	<u>HYDRO</u>	<u>THERMAL</u>	<u>RENEWABLE</u>
Canada	High	--	--
Northwest	High	High	--
Idaho/Montana	Median	High	--
Colorado/Wyoming	Low	High	--
Northern California Hydro	Median	--	--
Northern California	Low	Median	--
Southern California	Low	Median	--
Arizona/New Mexico/Southern Nevada	Low	Median	--

INTERCHANGE	<u>CONDITION</u>	<u>TARGET</u>	<u>% RATING</u>
Northwest to British Columbia (Path 3)	Moderate	1500 ¹	50%
Northwest to California/Nevada COI (Path 66)	--	--	--
PDCI (Path 65)	--	--	--
Midway–Los Banos S-N (Path 15)	--	--	--
Idaho to Northwest (Path 14)	--	--	--
Montana to Northwest (Path 8)	--	--	--
Utah/Colorado to Southwest (Path 31, 35, 78)	--	--	--
Southwest to Calif. (EOR Path 49/WOR Path 46)	--	--/--	--/--



2024 Base Case Compilation Schedule

Intermountain to Adelanto DC (Path 27)	--	--	--
San Diego to CFE (Path 45)	--	--	--
Northern to Southern California (Path 26)	--	--	--

¹Minimum flows are required to represent the Canadian Entitlement.



CASE DESCRIPTION 2035 HEAVY SUMMER—35HS1

CASE DUE DATES: To Area Coordinator: May 10, 2024
To WECC Staff: June 7, 2024

PURPOSE: *General 10-Year Case*—With typical flows through WECC.

ITEMS TO BE PREPARED: From Case 2034 HS1
Stability Data Master Dynamics File
Significant Changes From Existing System

LOADS: Expected peak load for the months of June through August

TIME: 1500–1700 hours MDT

RATINGS: As appropriate for temperatures associated with the conditions modeled.

GENERATION: Ensure that your entity’s resource planner is consulted concerning the resources being represented in this power flow base case.

	<u>HYDRO</u>	<u>THERMAL</u>	<u>RENEWABLE</u>
Canada	High	--	--
Northwest	Median	High	--
Idaho/Montana	Median	High	--
Colorado/Wyoming	Low	High	--
Northern California Hydro	High	--	--
Northern California	High	High	--
Southern California	Low	High	--
Arizona/New Mexico/Southern Nevada	Low	High	--
INTERCHANGE	<u>CONDITION</u>	<u>TARGET</u>	<u>% RATING</u>
Northwest to British Columbia (Path 3)	Moderate	<-2000	66%
Northwest to California/Nevada			
COI (Path 66)	--	--	--
PDCI (Path 65)	--	--	--
Midway–Los Banos S-N (Path 15)	--	--	--
Idaho to Northwest (Path 14)	--	--	--
Montana to Northwest (Path 8)	--	--	--
Utah/Colorado to Southwest (Path 31, 35, 78)	--	--	--
Southwest to Calif. (EOR Path 49/WOR Path 46)	--	--/--	--/--
Intermountain to Adelanto DC (Path 27)	--	--	--



2024 Base Case Compilation Schedule

San Diego to CFE (Path 45)	--	--	--
Northern to Southern California (Path 26)	--	--	--



CASE DESCRIPTION **2024 LIGHT SPRING—34LSP1S**

CASE DUE DATES: To Area Coordinator: June 7, 2024
To WECC Staff: June 28, 2024

PURPOSE: *Specialized Case*—Model light-load conditions along with renewable generation resources serving a significant but realistic portion of the total WECC load. Entities should incorporate their Integrated Resource Plans (IRP) to account for planned retirements and seasonal operation of generation units. The case should include planned renewable resource capacity additions that represent likely and expected system conditions consistent with any applicable and enacted public policy requirements.

ITEMS TO BE PREPARED: From Case 2034 HS1
Stability Data Master Dynamics File
Significant Changes From Existing System

LOADS: 50–60% of peak summer loads in the WECC region that would occur during the spring months of March, April, and May¹

TIME: 1200–1400 hours MDT

RATINGS: As appropriate for temperatures associated with the conditions modeled.

GENERATION: Ensure that your entity’s resource planner is consulted concerning the resources being represented in this power flow base case.

	<u>HYDRO</u>	<u>THERMAL</u>	<u>RENEWABLE</u>
Canada	--	--	--
Northwest	--	--	--
Idaho/Montana	--	--	--
Colorado/Wyoming	--	--	--
Northern California Hydro	--	--	--
Northern California	--	--	--
Southern California	--	--	--
Arizona/New Mexico/Southern Nevada	--	--	--
INTERCHANGE	<u>CONDITION</u>	<u>TARGET</u>	<u>% RATING</u>
Northwest to British Columbia (Path 3)	--	--	--

¹ Different Load-Serving Entities could expect higher or lower than 50–60% of their peak summer loads. Some could expect minimum load for 12:00 to 14:00 MDT in months of March, April, and May due to significant effect of self-generation. For example, the light spring load demands in the CAISO-controlled grid are projected to be its annual minimum level due to heavy output from projected behind-the-meter solar PV self-generation. The percentages of non-coincident peak load are as low as 16%, 23%, and 14% at hour 14:00 MDT in April 2034 for PG&E, SCE, and SDG&E, respectively.



2024 Base Case Compilation Schedule

Northwest to California/Nevada COI (Path 66)	--	--	--
PDCI (Path 65)	--	--	--
Midway–Los Banos S-N (Path 15)	--	--	--
Idaho to Northwest (Path 14)	--	--	--
Montana to Northwest (Path 8)	--	--	--
Utah/Colorado to Southwest (Path 31, 35, 78)	--	--	--
Southwest to Calif. (EOR Path 49/WOR Path 46)	--	--	--
Intermountain to Adelanto DC (Path 27)	--	--	--
San Diego to CFE (Path 45)	--	--	--
Northern to Southern California (Path 26)	--	--	--



WECC Base Cases Listed by Year of Compilation

(i.e., 20 = 2020 Compiled Base Case) winter cases identified by the second year of case (e.g., 20 for 19–20 HW)								
Year	Winter		Spring		Summer		Autumn	
	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy
2020	19OP	14G, 17S, 19OP	19S	19OP	19OP	09G, 14G, 19OP		
2021	20OP	15G, 20OP	17S	20OP	20OP	10G, 15G, 20OP		
2022	21OP	11G, 16G, 21OP	12S, 21S	21OP	11S, 21OP	16G, 21OP, 22S		
2023	22OP	17G, 20G, 22OP		22OP	22OP	12G, 17G, 20G, 22OP		
2024	23OP	13G, 18G, 23OP	20S, 23S	23OP, 23S	23OP	13S, 18G, 23OP		
2025	24OP	14G, 19G, 24OP	24S	25OP	24OP	14G, 19G, 21S, 24OP		
2026		15G, 20G				15G, 20G		
2027		16G, 21G				16G, 21G		
2028		17G, 22G				17G, 22G		
2029		18G, 23G		18S		18G, 23G		
2030		19G, 24G	19S			19G, 24G		
2031		20G				20G		
2032		21G				21G		
2033		22G	22S			22G		
2034		23G	24S			23G		
2035		24G				24G		
S—Specialized Case					Current Compilation Schedule			
G—General/Planning Case								
OP—Operating/OTC Case					Proposed Cases			
V—Validation Case (placeholder)								

