# Project Management

Developing the 2034 ADS on time will require sound project management with clearly defined roles and responsibilities. WECC proposes the following project management approach:

| Role | Person Responsible | Primary Responsibilities |
| --- | --- | --- |
| PCDS ADS co-chairs | PCDS co-chairs | * Provide focus on Administrative tasks * Support WECC staff through the development of a project plan * Schedule data development discussions and decisions through PCDS * Moderate PCDS discussions * Provide technical leadership for building the ADS * Ensure appropriate stakeholder involvement for each pertinent technical item * Develop data with National Labs/DOE and other vendors |
| 2034 ADS Project Manager | WECC-assigned PM | * Report regularly on ADS schedule * Document and follow up on identified issues |
| PCDS | Data assumptions and development plan | Discuss and approve data assumptions and the plan for database development. Identify new input parameters, new modeling approaches, and roadmap of implementation including allocating works to SME or consultants as time and resources allow. |
| SME—internal | WECC SAP and SSP department staff members | * Develop input data for ADS * Input data to GridView to build the ADS * Review modeling runs and report on results * Document data development processes |
| SME—external | PCDS members; other stakeholders | * Review technical issues brought to the PCDS for consideration and decision * Collaborate with WECC and stakeholders to develop ADS input data * Document the ADS data development processes * Test and validate ADS |

# Timing Constraints

Based on discussions with the regional planning groups, this is the timeline for developing their regional plans. This timeline begins in January of the even year.



Figure 1 - Regional Planning Group Timelines

# Loads and Resources Data

The Loads and Resources (L&R) data is the basis for the load and resource forecast in the ADS build process. In the past, the data collected in the even year, the same year as the ADS build, was used to build the ADS.

## Concerns with the Current Process

The ADS is a major input into the regions’ planning processes by providing resource placement for resources outside of their respective footprints. The regional planning processes have been a key driver for the initial release of the ADS by June 30 of the even year.

Due to the complexity of building the ADS, the initial release often goes past June 30. WestConnect’s timing needs are even more demanding, since it begins building its dataset in Q2 of the even year (Figure 1); currently, it must start with the previous dataset.

## Proposed Solution

In the 2032 ADS Lessons Learned meeting that occurred in October 2022, WECC staff asked the regions whether using the previous (odd) year’s L&R data could be a solution for completing a dataset by June 30 of the even year. The regions were open to this solution with the possibility of updating the resources with the even year’s L&R data once the ADS is complete.

This timeline proposes building the 2034 ADS beginning in July 2023, with the initial ADS release on March 29, 2024, followed by subsequent releases.

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

* February 1—July 1, 2023: PCDS determine which other data needs to be updated for 2034 ADS PCM
  + February 1—June 30, 2023: PCDS determine schedule for reviewing data
  + June 1, 2023: Stand-up Anchor Power Flow Task Force (APFTF)
  + February 1—July 1, 2023: PCDS creates and approves enhanced data checks to be used for validation
* July 1—December 31, 2023: Create, collect, and implement other data
  + This is laid out in the other data schedule document
* July 1, 2023—January 31, 2024: Use L&R resource data received in 2023 to build 2034 ADS
  + July 1, 2023: 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
  + September 1, 2023: Verify mapping using the finalized 34HS1 PF
  + September 15, 2023—November 10, 2023: APFTF complete mapping and place planned resources
  + November 10, 2023—November 30, 2023: WECC staff add L&R planned resources to 34HS1 PF to create 2034 Reference PF
  + November 30, 2023—January 31, 2024: PNNL solve 2034 Reference PF with only L&R resources and validation of solved PF
  + November 30, 2023—January 31, 2024: Import reference PF into PCM, add all resource data into PCM
* December 1—January 31, 2024: Validate 2034 ADS PCM
  + December 1—January 31, 2024: Verify resource placement and definitions in PCM and PF
  + January 1—January 31, 2024: Validate inputs using enhanced data checks to the ADS PCM
* January 31, 2024: Release 2034 ADS PCM and PF V1.0
  + Includes:
    - Resources received in 2023 through L&R data collection process
    - Loads received in 2023 through L&R data collection process
    - Updates to Other Data developed by PCDS through January 1, 2024

### 2034 ADS Subsequent Release (V2.0) Timeline[[1]](#footnote-2) (Incremental 2024 L&R data)

* Add consultant work as needed
* February 1—May 31, 2024: Create, collect, and implement limited other data
  + This is laid out in the other data schedule document
* March 1—April 30, 2024: Validate and update 2034 ADS loads using 2024 L&R data
* March 1—April 30, 2024: Map and add incremental L&R resources to the 2034 Reference PF
* May 1—May 31, 2024: Import reference PF into PCM, add all resource data into PCM
* June 1—June 30, 2024: Validate 2034 ADS PCM V2.0 using enhanced data checks
* June 30, 2024: Release 2034 ADS PCM and PF V2.0
  + Built upon V1.0 with the following updates:
    - Resource updates received in 2024 through L&R data collection process
    - Load updates received in 2024 through L&R data collection process
    - Other data developed between January 31, 2024 and April 30, 2024

1. The version 2.0 release timeline assumes the other data development schedule is met and all L&R data is available by March 1, 2024, for ADS work. WECC will only update the load and resources with no other modeling changes and software enhancements in 2024, and this timeline is contingent on no other hurdles or delays. No other data development after April 30, 2024. [↑](#footnote-ref-2)