

# WECC Base Case Building Process with ColumbiaGrid as a Data Representative

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*WECC's recent changes to their base case building process documents to accommodate MOD-32 change the role of data submitters but they do not change the process. Because of this lack of change in process, this document assumes that WECC would still follow the established schedules used currently in WECC's yearly Base Case Compilation Schedule. It is also assumed that future schedules would replace the roles in the sub-coordinator submittal to area coordinators with submittals from Planning Coordinators to ColumbiaGrid as a Data Representative.*

## Process Description and Responsibilities

### 1 WECC Data Request

The start of the case build process is for WECC to send out a data request letter that establishes the requested case description and due dates for submittals to WECC. This triggers the responsibilities below.

BPA:

- Provide a seed case to ColumbiaGrid in PowerWorld and/or GE PSLF formats that closely represent the requested case from their data base. This should be provided prior to the scheduled WECC data request distribution date.

ColumbiaGrid:

- Develop web-page on ColumbiaGrid's web-site to post information associated with the requested case.
- Adjust seed case provided by BPA for case building process by renumbering dummy bus numbers, adjusting limit monitoring settings, and adding data filters to create a reference case.
- Post the reference case in PowerWorld PWB and GE PSLF EPC formats on the created web-page. This should be done the same day as the distribution date of the data request.
- Send out an email to Planning Coordinators representatives and other appropriate interested parties with a link to the developed web-page that the reference cases are posted.

Planning Coordinators & Data Owners:

- Responsibilities for Planning Coordinators and Data Owners at this stage of the process are up to them to establish.

## **2 Data Due to Planning Coordinators (Formerly Data Due to Sub Coordinator)**

This scheduled date will be up to Data Owners and Planning Coordinators. It is assumed that WECC will continue to provide a suggested date for this to occur.

## **3 Data Due to ColumbiaGrid/Data Representative (Formerly Data Due to Area Coordinator)**

This scheduled date will be up to ColumbiaGrid and Planning Coordinators. WECC will not be able to enforce this date. It is desired that WECC continues to provide this date as a suggested submittal date and that it follows the current methodology. This date should be used as the due date for submittals to ColumbiaGrid for those who use them as a Data Representative. This date triggers the responsibilities below.

Planning Coordinator:

- Submit steady state data in PowerWorld Aux and/or GE PSLF formats to update the reference case to meet the requested description by WECC.
- Dynamics should be updated for the selected case. Data can be sent to WECC directly or sent to ColumbiaGrid.
- Provide short circuit data to WECC directly or to ColumbiaGrid according to WECC's request details

ColumbiaGrid:

- Incorporate and track changes submitted by Planning Coordinators
- Evaluate case for errors and work with Planning Coordinators to correct
- Adjust interchanges based on case request and balance Area 40 with federal hydro generation network
- Compile all submitted dynamics submittals
- Compile all submitted short circuit submittals
- Save all email submittals for changes to the case for 4 years

## **4 Data Due to WECC Staff**

This scheduled date that the initial case models need to be submitted to WECC. This date triggers the responsibilities below.

ColumbiaGrid:

- Submit to WECC the updated power flow case, any submitted dynamics data, and any submitted short circuit data

- Post on the case web-page the submitted data and change files applied to the reference case to create the initial submittal case
- Send email to Planning Coordinators confirming submittal to WECC and the posting of the submittal data

## 5 Review Case Request

After WECC compiles the submitted data from WECC's entire footprint they post a review case and request additional updates. They send out an email that establishes due dates for submittals. This triggers the responsibilities below.

Planning Coordinators & Data Owners:

- Responsibilities for Planning Coordinators and Data Owners at this stage of the process are up to them to establish.

ColumbiaGrid:

- Post the review case in PowerWorld PWB and GE PSLF EPC formats on the case web-page. This should be done the same day as the distribution date of the data request.
- Send out an email to Planning Coordinators representatives and other appropriate interested parties with a link to the case web-page that the reference cases are posted.

## 6 Comments Due to ColumbiaGrid/Data Representative (Formerly Comments Due to Area Coordinator)

This scheduled date will be up to ColumbiaGrid and Planning Coordinators. WECC will not be able to enforce this date. It is desired that WECC continues to provide this date as a suggested submittal date and that it follows the current methodology. This date should be used as the due date for submittals to ColumbiaGrid for those who use them as a Data Representative. This date triggers the responsibilities below.

Planning Coordinator:

- Submit data in PowerWorld Aux and/or GE PSLF formats to update the review case to meet the requested description by WECC.
- Dynamics should be updated for the selected case. Data can be sent to WECC directly or sent to ColumbiaGrid.
- Provide short circuit data to WECC directly or to ColumbiaGrid according to WECC's request details
- Provide any system review and/or OC sign off documents requested by WECC to ColumbiaGrid

ColumbiaGrid:

- Incorporate and track changes submitted by Planning Coordinators
- Evaluate case for errors and work with Planning Coordinators to correct
- Compile all submitted dynamics files
- Compile all submitted short circuit files
- Compile all submitted system review and/or OC sign off documents
- Save all email submittals for changes to the case for 4 years

## **7 Comments Due to WECC Staff**

This scheduled date that changes to the review case to create the final case need to be submitted to WECC. This date triggers the responsibilities below.

ColumbiaGrid:

- Submit to WECC the updated power flow review case, any submitted dynamics data, any submitted short circuit data, and any system review and/or OC sign off documents.
- Post on the case web-page the submitted data and change files applied to the reference case to create the initial submittal case
- Send email to Planning Coordinators confirming submittal to WECC and the posting of the submittal data