

ORDER NO. 08-505

Minimum Filing Requirements July 7, 2008

General

The Minimum Filing Requirements (MFRs) define the documents to be provided by PGE in conjunction with the Net Variable Power Cost (NVPC) portion of the Company's initial (direct case) and update filings of its General Rate Case (GRC) and/or Annual Update Tariff (AUT) proceedings.

The term "Supporting Documents and Work Papers" as used here means the documents used by the persons doing the NVPC forecasting at PGE to develop the final inputs to Monet and the final modeling in Monet for each filing. This may include such items such as contracts, emails, white papers, studies, PGE computer programs, Excel spreadsheets, Word documents, pdf and text files. This will not include intermediate developmental versions of documents that are not used to support the final filing. Documents will be provided electronically where practical.

In cases where systems change or are replaced in the future, such as BookRunner, the MFRs will continue to provide substantially the same information as provided in PGE's 2009 GRC (UE-198).

PGE will take reasonable steps to ensure that the MFRs can be made available to CUB and ICNU at the time of the filing, rather than these parties having to wait for the OPUC to approve the protective order in the case.

Delivery Timing

In either an AUT year (April 1 initial filing) or a GRC year (Feb. 28 initial filing), at a minimum the following portion of the Direct Case Filing MFRs will be delivered with the initial filing:

- Summary Documents (Items 1-6)
- Modeling Enhancements and New Item Inputs (Item 14) – not applicable in AUT year
- Miscellaneous Item 15d - re: Testimony and Exhibits provided on the CD

The remainder of the Direct Case Filing MFRs will be delivered with the initial filing if practical, or no later than fifteen days after the filing (e.g. March 15 in a GRC year, April 15 in an AUT year).

For all update filings, Update Filing MFRs will be delivered with the update filing with the following exception. For the April 1 GRC Update Filing in a GRC year, the delivery of Item 23 will be made with the filing if practical, or no later than fifteen days after the filing (e.g. April 15).

Direct Case Filing

Applicability

- Applies to GRC Initial Filing (e.g. February 28) in a GRC year
- Applies to AUT Initial Filing (i.e. April 1) in a non-GRC year

Summary Documents

1. Monet model for the final step
2. Hourly Diagnostic Reports for the final step
3. Step Log showing NVPC effects of modeling enhancements, modeling changes, addition of new items or removal of items from the prior year rate proceeding (GRC or AUT), and other major updates that PGE believes the parties would want to see identified separately, such as updating the hydro study.
4. Output/Assumptions Summary Report comparable to that provided for the 2009 GRC
5. Executable files, any other files needed to run Monet, and installation instructions
6. Identification of the operating system PGE uses to operate Monet

ORDER NO. 08-505

Supporting Documents and Work Papers for the Following

7. Forward Curve Inputs. Consists of:
 - a. Electric curve extract from Trading Floor curve file
 - b. Gas curve extract from Trading Floor curve file
 - c. Canadian/US Foreign exchange rate (F/X Curve) from Risk Management
 - d. Model run for hourly shaping of monthly on/off-peak electric curve (Lydia Program)
 - e. Oil forward curve
8. Load Inputs. Consists of:
 - a. Monthly load forecast from Load Forecast Group
 - b. Hourly load forecast from Load Forecast Group
 - c. Copy of the loss study used by Load Forecast Group to develop busbar load forecast
9. Thermal Plant Inputs
 - a. Capacities
 - b. Heat Rates
 - c. Variable O&M

This includes any other cost or savings components modeled as part of Variable O&M, such as incremental transmission losses, SO₂ emission allowances (emission allowance \$/ton price forecast, plant emission factors lb/MMBtu), etc.
 - d. Forced outage rates
 - e. Maintenance outage schedules and derations
 - f. Minimum capacities
 - g. Operating constraints
 - h. Minimum up times
 - i. Minimum down times
 - j. Plant testing requirements
 - k. Oil usage volumes
 - l. Coal commodity costs
 - m. Coal transportation costs
 - n. Coal fixed fuel costs classified as NVPC items

Includes items such as: Colstrip Fixed Coal Cost and the following Boardman costs: Rail Car Mileage Tax, Coal Sampling, Rail Car Lease, Rail Car Maintenance, Trainset Storage Fee, and Coal Car Depreciation
10. Hydro Inputs
 - a. Monthly energy for all Hydro Resources

This will include the results of PGE's most current study using the Pacific Northwest Coordination Agreement (PNCA) Headwater Benefit Study. Note that this program is not the property of PGE and should be obtained from the Northwest Power Pool. Provide the PGE version of the PNCA model inputs, so that if the Parties obtain the PNCA model, they would have the inputs needed to reproduce PGE's study.
 - b. Description of logic for hourly shaping where applicable
 - c. Usable capacities where applicable
 - d. Operating constraints modeled
 - e. Hydro maintenance derations
 - f. Hydro forced outage rates (not currently modeled)
 - g. Hydro plant H/K factors
 - h. Spreadsheet demonstrating how the hydro energy final output from the PNCA study is adjusted to arrive at the monthly energy output on the PwrAEOut sheet
11. Electric and Gas Contract Inputs
 - a. Copy of contract for each long-term (5-year or greater term) or non-standard power contract modeled in Monet.

For some contracts, this may consist of a term sheet rather than a full contract, depending on what was deemed reasonably necessary by the power modelers to model the contract in Monet.
 - b. BookRunner extracts for the test year of:
 - Electric Physical Contracts
 - Electric Financial Contracts
 - Gas Physical Contracts

ORDER NO. 08-505

Gas Financial Contracts
F/X Hedge Contracts

- c. Copy of each firm gas transportation or storage contract modeled in Monet
 - d. List of the PURPA QF contracts modeled in Monet
 - e. List of the long-term (5-year or greater term) or non-standard contracts modeled in MONET that were not included in PGE's most recent GRC or AUT.
 - f. Gas transportation input spreadsheet or its successor/equivalent
 - g. Website snapshots input to the gas transportation spreadsheet
 - h. Other Supporting Documents and Work Papers for contracts modeled in Monet, including any items showing on the Monet Cost and/or Energy Output reports not covered above. Could include structured contracts, option contracts, etc.
 - i. Coal contracts: Covered above under Thermal Plant Inputs
 - j. Amortizations of regulatory assets or liabilities modeled in the Contracts section of Monet
12. Wheeling Inputs
- a. Supporting Documents and Work Papers for all wheeling items modeled in Monet
13. Wind Power Inputs. Includes but not limited to:
- a. Monthly energy
 - b. Hourly energy
 - c. Maintenance
 - d. Forced outage rates
 - e. Integration costs, royalties, other costs and elements modeled
14. Modeling Enhancements and New Item Inputs
- a. Supporting Documents and Work Papers for all modeling enhancements and new items modeled in Monet.
 - b. Includes modeling or logic changes, changes to the methodology used to compute data inputs or other type of enhancement to the Monet model.
 - c. Modeling revisions, refinements, clean-ups etc. that do not affect NVPC under any conditions will not be considered to be modeling enhancements.
15. Miscellaneous
- a. Line Item Adjustments to Monet such as OPUC orders, settlement stipulations, others
 - b. Identification of all transactions modeled in Monet that do not produce energy
 - c. Items in Monet not covered elsewhere above
 - d. For all testimony and exhibits provided on the CD in pdf format, provide the testimony in searchable pdf format, and provide any exhibits created in Excel in the original Excel format when available to PGE.

Historical Operating Data

16. Hourly extract of data from PGE's Power Scheduling and Accounting System showing actual hourly energy values for the most recent Four-Year Calendar Period of the following:
- a. Generation from each coal, gas, hydro and wind generating plant modeled in Monet. Note that Colstrip Units 3 and 4 generation is aggregated in PGE's system, and the Mid-C contract generation is similarly aggregated.
 - b. Long-term (>5 years) electric contract purchases, sales and exchanges modeled in Monet.
17. Table showing the actual monthly generation of each PGE coal, gas, hydro and wind generating plant modeled in MONET, from the period 1998 through the last calendar year.
18. Monthly compilations of actual NVPC produced by PGE for the most recent calendar year.

ORDER NO. 08-505

Update Filings

19. Monet model for the final step
20. Hourly Diagnostic Reports for the final step
21. Step Log showing effect on NVPC of each update step since the last filing
22. Output/Assumptions Summary Report comparable to that provided for the 2009 GRC
23. For each Monet update step:
 - a. Text description of update, including identification and location of input changes within Monet.
 - b. Excel file containing Monet standard output reports (PwrCsOut, PwrAEOOut, PwrEnOut) and PC Input sheets.
 - c. Supporting Documents and Work Papers for the update step
24. For all testimony and exhibits provided on the CD in pdf format, provide the testimony in searchable pdf format, and provide any exhibits created in Excel in the original Excel format when available to PGE.