Data Request:

To all Parties in this docket, the Commission requests that each party that is proposing a Net Power Cost Adjustment provide sufficient details in electronic format and the associated working files for their final GRID run(S) in this docket to the Commission at their earliest possible opportunity. The intent of this request is for the Commission to have sufficient detail to replicate each proposed adjustment in the GRID power cost model. Specifically please provide at least the following for each adjustment:

1. GRID Scenario
2. Net Power Cost report
3. Net Power Cost report of the revised scenario
4. Net Power Cost Study Spreadsheet showing the impacts of the revised scenario
5. An explanation of the calculations involved in the adjustment with sufficient supporting work papers that Commission staff could duplicate the adjustment
6. A list of which specific fields and/or files within the GRID model were changed, and the specific manner in which they were changed (for example any and all input files)
7. All standard or related export files
8. Relevant work papers and supporting documents with all formulas intact for the adjustment.
9. A summary exhibit which lists each proposed adjustment (using the parties joint numerical exhibit numbering system), the net effect on Net Power Costs, and a reference to the output referenced above.

Data Response:

UAE 1st Adjustment to Net Power Cost: Update GRID with June 30, 2009 Official Forward Price Curve (OFPC).

UAE's proposed 1st adjustment was revised and included in RMP's rebuttal filing. Based on discussions with RMP, it is our understanding that they will be including all of the GRID input files for the revised Official Forward Price Curve adjustment included in Mr. Duvall's rebuttal testimony in their response to this data request. For the step-by-step computation used by UAE to calculate this adjustment on a stand-alone basis, please see below. The numbering in UAE's response corresponds to the numbering in the data request.

1. Please refer to attachment "GRID Scenario – OFPC – Confidential"
2. Please refer to attachment "Net Power Cost Report – OFPC"
3. Please refer to attachment "Net Power Cost Report – OFPC"
4. See #9 below
5. This adjustment requires several changes to input files and specific fields within GRID. In a data response to RMP, UAE asked for instructions on how to update the OFPC in GRID. UAE followed the instructions in RMP's revised response to UAE Data Request 2.3. Please refer to attachment "UAE 2.3 1st Rev" for the instructions. Due to the instructions' lack of clarity, UAE did not update the Sunnyside contract or the workpapers for mark-to-market of gas transactions. On page 8 of Mr. Duvall's rebuttal testimony, UAE's OFPC GRID adjustment was accepted with corrections to

account for the two steps that UAE omitted. For these files, please refer to RMP's data response to this data request.

6. The specific GRID fields/or files that were changed are listed in RMP's revised response to UAE Data Request 2.3 (see #5 above). For the GRID input files UAE used, please refer to the following three attachments:
    - Energy Charge 0609 OFPC
    - Fuel Price 0609 OFPC
    - Other Cost 0609 OFPC
7. None
8. As described in "UAE 2.3 1st Rev", several workpapers need to be updated with the June 30, 2009 OFPC that in turn feed into the input files referenced in #6 above. All of the workpapers were developed by RMP. The following is a list of all workpapers used in this adjustment(all are attached):
    - Attach OCS 6.1 -1 CONF
    - Attach OCS 6.1 -3 CONF
    - Attach OCS 6.1 -4 CONF
    - Attach OCS 6.1 -5 CONF
    - Attach OCS 6.1 -6 CONF
    - Attach OCS 6.1 -7 CONF
    - Attach OCS 6.1 -8 CONF
    - Attach OCS 6.2 -1 CONF
    - Attach OCS 13.1-1 CONF 0609 OFPC
9. Please refer to attachment "UAE Exhibits 1.1-1.2". Summary is on worksheet UAE Direct Exhibit 1.1, p.3.

UAE 2nd Adjustment to Net Power Cost: Reduce wind integration charge by eliminating the Inter-hour component of the charge.

UAE's second proposed adjustment to Net Power Cost is to eliminate the Inter-hour component of the wind integration charge. Since the wind integration charge is computed outside of GRID, there were no GRID scenario runs needed for this adjustment. RMP had calculated the Inter-hour portion of the wind integration charge to be $2.09 (please refer to attachment "Attach OCS 3.31d-1 Wind Integration Summary" cell D17). UAE subtracted this $2.09 from the proposed wind integration charge of $6.91 to get $4.82. The wind integration charge of $4.82 is found in the Net Power Cost report on row 768. Please refer to attachment "Net Power Cost report – Interhour". A summary exhibit is provided in attachment "UAE Exhibits 1.1-1.2" (see worksheet UAE Direct Exhibit 1.1, p.3).

UAE 3rd Adjustment to Net Power Cost: Reduce the Intra-hour portion of the wind integration charge by eliminating the "Regulate Down" component of the charge.

UAE's third proposed adjustment to Net Power Cost is the result of eliminating the "Regulate Down" portion of the Intra-hour component of the wind integration charge. Since the wind integration charge is computed outside of GRID, there were no GRID scenario runs needed for this adjustment. UAE used RMP workpapers to make this adjustment. The reduction is driven by reducing the amount of required reserves from 295.4 MW to 221 MW. The required reserves are calculated in these workpapers for three different areas - East excluding Wyoming, West, and Wyoming. RMP uses matrix multiplication in their calculation of required reserves. We eliminated the "Regulate Down" portion of the calculation by taking it out of the matrix. The following is a description of the steps that need to be taken.

- East
    - Open Attach OCS 3.31a-5 Intra-hour wind integration tool for East and West
    - Open worksheet "East Gen 08"
    - Change cells AC8, AD9, and AE10 from 1 to 0
    - This will change the required reserves in this area from 39.7 to 31.9. See cell AM22.
- West
    - Open Attach OCS 3.31a-5 Intra-hour wind integration tool for East and West
    - Open worksheet "West Gen 08 Covar"
    - Change cells B27, B28, and B30 from 1 to 0
    - This will change the required reserves in this area from 115.9 to 92.5. See cell W59.
- Wyoming
    - Open Attach OCS 3.31a-6 Intra-hour wind integration tool for Wyoming
    - Open worksheet "IRP Covar Template"
    - Change cells I33, I34, I35, I36, I37 from 1 to 0
    - This will change the required reserves in this area from 139.8 to 96.6. See cell Z43.
- To calculate reduction in Intra-hour charge
    - Open Attach OCS 3.31d-3 IntraHRWind
    - Open worksheet "RsvReq"
    - Change cell CE5 from -295.4 to -221.
    - Change cell CE9 from -115.9 to -92.5.
    - The resulting reduction of $1.81 is found on the "Summary" worksheet in cell K9.

The $1.81 reduction was then applied to the wind integration charge in the Net Power Cost report on row 768. A summary exhibit is provided in attachment "UAE Exhibits 1.1-1.2" (see worksheet UAE Direct Exhibit 1.1, p.3).