

DRAFT
ASC Forecasting Model & NLSL Model
Operating Instructions:
August 6, 2008

1. Open Models:
 - a. **Appendix 1 Template**
 - b. **ASC Forecast Model**
 - c. **NLSL Model.**

2. Calculate the Contract System Load (CSL) – (Before NLSL load adjustments)
 - a. In the **Appendix 1 Template (Appendix 1)**, go to Schedule 4, calculate the CSL (Before NLSL load adjustments.)
 - i. This is equal to the sum of the Total Retail Load (D38) and Distribution Loss (D41).

3. Verify that the CSL (Before NLSL load adjustments.)
 - a. CSL (Before NLSL load adjustments.) calculated in 2.a above is equal to cell B8 in **NLSL Model**
 - i. **NLSL_Forecast_FY09-13_New_Prices_plusTx_Losses.xls**

4. Verify that the Transmission Cost
 - a. Transmission Cost in **Appendix 1** (D33) equals the numerator for the “ASC Transmission” in the **NLSL Model** (H51). (This will be different for each utility based on the number of resource additions.)

5. Verify the cost of NLSL
 - a. The costs of serving the NLSL in the **Appendix 1, Schedule 4** (D34) is equal to the NLSL (D39) **Appendix 1**, multiplied by the 2006 Cost of Serving NLSL under Endnote d (H52), **NLSL Model**. (This will be different for each utility based on the number of resource additions.)
 - b.

6. Compare Base ASC Appendix 1, Schedule 4 with Base ASC in **ASC Forecast Model**
 - a. Compare (match) Base ASC in **Appendix 1** (D44) with Base ASC in **ASC Forecast Model**, tab Base Data (H351).

7. Go to **NLSL Model**
 - a. Go to utility specific tab
 - b. Populate each resource column with new resource additions costs and MWhs (Current version already populated)

- c. Turn off all new resources Switch (Starting in AK7 = 0, AN7 = 0, etc)
 - i. Record (write down) the fully allocated production cost(s) (This is the last 4/1/2009 set of columns)
 - 1. Avista - cell AU112
 - 2. PAC - cell BD112
 - 3. IPC- cell AU112
 - 4. PGE- cell BA112
- d. Turn on first (1) new resource addition Set AK7 = 1
 - i. Record (write down) the fully allocated production cost(s) (This is the last 4/1/2009 set of columns) (see ci above)
- e. Turn on next new resource addition Set AN7 = 1
 - i. Record (write down) the fully allocated production cost(s) (This is the last 4/1/2009 set of columns) (see ci above)
- f. Continue until all new resources have been added and recorded
- g. Note: if there are five resources, there should be six values
- h. For the 7(b)2 Test - Record (write down) the fully allocated production cost(s) for 4/1/2010 through 4/1/2013 (row 112 with headings 4/1/2010 through 4/1/2013 from total column)
- i. Close the NLSL Model

8. Go to **ASC Forecast Model**,

- a. Go to New Resources tab
 - i. Turn all resources off (F6 thru Y6 = 0)
 - ii. Push “Process Button”
 - iii. **Do not push the “Process Button” Again!!!**
- b. Go to the ASC tab
 - i. Push the “Clear ASC Record” (F60)
 - 1. **Do not push the “Clear ASC Record” Again!!!**
 - ii. Turn off NLSL Load Switch (cell D16 = 0)
 - iii. Record the ASC
 - 1. Push the “Record ASC” button
 - iv. Turn on NLSL Load Switch (cell D16 = 1)
 - v. Hand input the NLSL Production Fully Allocated Cost (\$/MWh) with no new resource from the **NLSL Model**
 - 1. Line 27 and the cell that lines up with the column that reads TRUE in line 5.
 - a. Avista - Cell J27
 - b. IPC – Cell I27
 - c. PAC – Cell M27 (currently first blue cell in line 27)
 - d. PGE – Cell M27
 - vi. Hit the “Record ASC” button
 - vii. Add first new Resource
 - 1. Go to “New Resources” tab

2. Set first resource switch (F6 = 1)
 3. Go to the ASC tab -
 4. Turn off NLSL Load Switch (cell D16 = 0)
 5. Record the ASC
 - a. Push the “Record ASC” button
 6. Turn on NLSL Load Switch (cell D16 = 1)
 7. Hand input the NLSL Production Fully Allocated Cost (\$/MWh) with first new resource from the **NLSL Model**
 - a. Line 27 and the cell that lines up with the column that reads TRUE in line 5. (See bv1 above)
 8. Hit the “Record ASC” button.
- viii. Add second new resource
1. Repeat steps 1 thru 8 above.
- ix. Repeat for each additional new resource.
1. Repeat steps 1 thru 8 above.
- x. With final new resource addition – For the 7(b)2 Test - input the fully allocated production cost(s) from the NLSL model for 4/1/2010 through 4/1/2013 in cells Line 27 – four blue cell following 4/1/2009 (bv1 above)