

## Transmission Customer Impact Model Overview

The new public transmission rates impact model for BP-16 compares the effective rate change from BP-14 to BP-16.

The estimated bills shown include the revenue collection for the following transmission products: Network, Southern and Montana Interties, Scheduling, System Control and Dispatch, Operating Reserves, Regulation and Frequency Response, and WECC/Peak rates. Sales are based on forecasts used in the BP-16 Initial Proposal. For comparison, the estimated bills are calculated using the current BP-14 rates and the BP-16 Initial Proposal rates; differences in the estimated billing amounts are due solely to differences between BP-14 and BP-16 rates. This model does not include any calculation for VERBS/DERBs and EI/GI.

### Inputs for the model:

**Base Rates Model:** Customers will recognize tables T-1 through T-12 from the transmission rates model published as part of the Transmission Rates Study. The tables show how the BP-16 Initial Proposal rates were calculated.

**Sales forecasts by customer:** The subsequent tabs show the BP-16 Initial Proposal sales forecast by customer for each month during the BP-16 rate period:

- OR – shown in MW-months (it is assumed that half of the forecast on this tab is spinning reserves and half is supplemental reserves). The “PNGC OR Calc” tab allocates forecast PNGC sales to specific PNGC customers.
- RFR – shown in MW-mo in columns D through P and in kWh in columns R through AD. This forecast is also used to calculate forecast WECC and Peak costs for each customer.
- Long Term Sales –PTP Long Term sales shown in MW-mo.
- NT – Load forecast for monthly use during the BPA system peak (12 CP). Shown in MW-mo.
- UD – average annual MW in columns E & F and MW-mo in columns H through AF



**Outputs of the model:**

**Bills at Proposed Rates:** Bills calculated using forecast sales (as defined in the tabs described above) and BP-16 Initial Proposal rates.

**Bills at Current Rates:** Bills calculated using forecast sales (as defined in the tabs described above) and BP-14 rates.

**Proposed Minus Current:** The forecast difference in costs for each customer due to the proposed change in rates (Costs at BP-16 Initial Proposal rates minus costs at BP-14 rates)

**Graph:** Shows the projected change in costs by customer due to the proposed rate change (results shown below).



Percentage Increase in Total Transmission Bill, BP-16 rates vs. BP-14 rates, By Customer

