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: FPT, IR, NT, Long Term PTP, Long Term Southern Intertie, Utility Delivery, Scheduling, System Control and Dispatch, Operating Reserves, Regulation and Frequency Response, WECC/Peak rates, and DERBS/VERBS. Sales are based on forecasts used in the BP-16 Final Proposal. For comparison, the estimated bills are calculated using the current BP-14 rates and the rates in the BPA Administrator's Final Record of Decision (ROD); 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 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 Final ROD rates were calculated.

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

- FPT FPT sales shown in MW-months in columns E through AB.
- NT Load forecast for monthly use during the BPA system peak (12 CP). Shown in MW-months in columns E through AB.
- PTP PTP Long Term sales shown in MW-months in columns F through AC.
- IR IR sales shown in MW-months in columns D through AA.
- IS Southern Intertie Long Term sales shown in MW-months in columns D through AA.
- UD Utility Delivery sales shown in MW-months in columns E through AB.
- OR* Operating Reserves sales shown in MW-months in columns T through AE and AG through AR. It is assumed that half of the forecast on this tab is spinning reserves and half is supplemental reserves. The total PNGC OR forecast is allocated to specific PNGC customers on the same tab.



- RFR* –Regulation and Frequency Response sales shown in average MWs in columns D through AA. This is converted to kWh in columns AC through BC. This forecast is also used to calculate forecast WECC and Peak costs for each customer.
- DERBS/VERBS* DERBS/VERBS sales shown in MW-months in columns E through AB

*Please note that the customer forecasts included for these products are scaled so that the total forecast matches the demand forecasts agreed upon for use in the Gen Inputs settlement.

Outputs of the model: In addition to the individual rates for each transmission product that is calculated in the base rates model, with which BPA Transmission customers are already familiar, the transmission customer impact rates model calculates the following for each BPA Transmission customer:

- **Proposed Rates Tab:** Estimated bills for each month in the BP-16 rate period, calculated using forecast sales (as defined in the tabs described above) and BP-16 Final ROD rates.
- **Current Rates Tab:** Estimated bills for each month in the BP-16 rate period, calculated using forecast sales (as defined in the tabs described above) and BP-14 rates.
- **Comparison Tab:** For each customer, the monthly average revenue at current and BP-16 Final ROD rates, and the forecast difference in costs due to the proposed change in rates (Costs at BP-16 Final ROD rates minus costs at BP-14 rates)
- **Graph Tab:** Shows the projected change in costs by customer due to the proposed rate change (results shown below).



Projected Overall Transmission Rate Increase For Indivicual BPA Customers, FYs 2016-2017

		martical		lers, F I S 2010				
		Overall F	Rate Increase As Cor	npared to FYs 2014	-2015(%)			
-10		0% 10.	0% 20.	.0% 30.	.0% 40	.0%	50.	0%
	Ag FGO LLC	-						
	Alcoa							
	Arlington							
	Asotin PUD	-						
	Bandon	-						
	Benton REA							
	Blachly-Lane							
	Bonners Ferry							
	BPA Power							
	Canby	-						
	Cascade Locks	-						
	Central Lincoln							
	Chelan							
	Chewelah							
	Clallam							
	Clatskanie	-						
	Coastal Energy	-						
	Columbia Falls Alum	-						
	Columbia REA							
	Condon Wind Power	-						
	Consumers							
	Cosmo Fibers							
	Cowlitz	-						
		-						
	Declo Douglas	-						
	Douglas	-						
	Eatonville EDF Trading NA	-						
	Elmhurst							
	Energy Northwest							1
	Eurus Combine Hills							
	Exelon Generation	-						
	Fall River							
	Farm Power Tillamook	-						
	Ferry County PUD							
	Flathead							
	Franklin County	_						
	GH Energy							
	GP Toledo							
	Grays Harbor							
	Harbor Paper							
	Harvest Wind							
	Hermiston Power							
	Hood River							
	Iberdrola	-						
	Idaho Falls Power							
	Inland							
С	JC-Biomethane							
u	Kaiser Alum WA							
s	Klickitat							
t o	L&M							
m	Lakeview							
е	Lewis							
r	Longview Fibre	-						
	Lower Valley	-						1
\mathbf{N}	Mason 1	-						1
a m	McCleary							1
e	Middle Fork							
	Milton							1
	Minidoka							
	Missoula							
	Monmouth							
	Nespelem	-						
	Nippon Paper Northern Lights	-						
27		-						
North	hpoint Energy Solutions Okanogan Co Co- op							
	Okanogan Co Co-op OPALCO							
	Outback Solar							
	Pacific	-						
	PATU Wind	-						
	Peninsula Plummer	-						1
	Plummer Port of Seattle	-						1
		-						1
	Port Townsend Paper	-						1
	PPL EnergyPlus	-						1
Det D'	Puget	-						1
Katt Kiv	er Rural Electric Co-op	-						
	Ravalli County	-						
	Riverside Electric Sagebrush	-						
	Salmon River							
	Salmon River SCPPA	-						
		-						
	Shell Energy							1



