## Figure 2: Transmission Potential Rate Change Detail mission Potential Rate Char

	Α	В	С	D	E	F	G	н	I	J	K	L	M	N
	Change		Change		Change		Change		Change		Change		Change	
	BP-16		FY 18/		FY 20/		FY 22,		FY 24/		FY 26,		FY 28/	
	FY 18	/19	FY 20	0/21	FY 22	2/23	FY 24	4/25	FY 26	/27	FY 2	8/29	FY 30	)/31
		% Change		% Change		% Change		% Change		% Change		% Change		% Change
	\$	in Rev.	\$	in Rev.	\$	in Rev.	\$	in Rev.	\$	in Rev.	\$	in Rev.	\$	in Rev.
Expenses	(Million)	Req.	(Million)	Req.	(Million)	Req.	(Million)	Req.	(Million)	Req.	(Million)	Req.	(Million)	Req.
1 Operations 2 Maintenance 3 Engineering	15 5 3	1.3% 0.5% 0.3%	6 6 3	0.4% 0.4% 0.2%	7 7 4	0.2% 0.2% 0.1%	7 7 5	0.5% 0.5% 0.4%	8 7 5	0.5% 0.5% 0.3%	8 8 4	0.6% 0.5% 0.3%	7 6 3	0.4% 0.3% 0.2%
4 Internal Support & Undistributed Reduction	3	0.3%	3	0.2%	3	0.1%	3	0.2%	3	0.2%	3	0.2%	2	0.1%
5 IPR Sub-total	26	2.4%	19	1.1%	20	0.6%	22	1.6%	22	1.4%	23	1.6%	18	1.0%
6 Ancillary Services	9	0.8%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
7 Non-IPR Sub-total	9	0.8%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
8 Capital Related Costs 1/	44	4.1%	76	4.4%	49	1.5%	74	5.4%	67	4.3%	41	3.0%	21	1.2%
o Capital Related Costs 17	44	4.1/0	70	4.4/0	49	1.570	/4	5.4/0	07	4.370	41	5.076	21	1.2/0
9 Total Change in Revenues (Lines 5+7+8) 2/	80	7.3%	96	5.5%	69	2.1%	96	7.0%	90	5.7%	64	4.6%	39	2.2%

1/ Includes Net Interest Expense, Depreciation/Amortization and Minimum Required Net Revenues 2/ This change in revenue also equals the weighted average rate change by rate period.

line #	Transmission Expenses Category	Assumption #'s
1	Operations	79,80,81,85
2	Maintenance	79,86,87
3	Engineering	79,82,88
4	Internal Support & Undistributed Reduction	i 7-9,79,84,90,91
5	IPR Sub-Total	
6	Ancillary Services	79,83
7	IPR Sub-Total	
8	Capital Related Costs	1-4,6-13,15-19,21-23,26,27

#	Category	Topic	Assumption-2015
1	Capital Assumptions	Capital Spending	Forecasts in years FY 16 and FY 17 match BP-16 Final Proposal and FY 18-23 match Final 2014 Capital Investment Review (CIR) spending levels and exclude Energy Efficiency starting in FY 16. Forecasts in years FY 24 through FY 30 reflect a ten-year average of CIR spending levels inflated using common agency inflation rate.
2	Capital Assumptions	Capital Spending Cap	The spending cap equals \$857 million per year, which is consistent with the 2014 CIR (2014 CIR cap less expensed Energy Efficiency).
3	Capital Assumptions	Plant-In-Service	Plant-in-service is based on BP-16 Final Proposal in combination with 2014 CIR capital forecasts.
4	Capital Assumptions	Allocation of Headroom, Sustain & Other Reductions	Unallocated capital (Headroom) and Sustain & other Reductions are distributed equally to Fed Hydro and Transmission.
5	Capital Assumptions	Energy Efficiency	The Energy Efficiency program is no long capitalized starting in FY 16.
6	Capital Assumptions	Headroom	Headroom reduced by total EE program in each year.
7	Corporate Expenses Assumptions	Cost Allocation	Corporate Pool costs are allocated between Power and Transmission using approved allocation percentages set by BPA Accounting.
8	Corporate Expenses Assumptions	Program Expenses (General)	Program costs are based on 2014 IPR and BP-16 Final Proposal, inflated in the out-years using standard agency assumptions.
9	Corporate Expenses Assumptions	FTE Assumptions	FTE related costs are assumed constant over time.
10	Debt Management Assumptions	Treasury	Maintain an annual minimum of \$750 million of U.S. Treasury Borrowing Authority.
11	Debt Management Assumptions	Lease Purchase	50 % of Transmission Capital is financed via 3 <sup>rd</sup> Party Lease Financing.
12	Debt Management Assumptions	Reserve Financing	Transmission Only - \$15 million /annually through FY 21.
13	Debt Management Assumptions	Revenue Financing	n/a
14	Debt Management Assumptions	Prepay	No new prepay.
15	Debt Management Assumptions	Interest Income	Official 2015 interest rates forecasts and 2014 CIR forecasts.
16	Debt Management Assumptions	Outstanding Federal Bonds	Amount of Federal Bonds as of 3/31/2015.
17	Debt Management Assumptions	Outstanding Non-Federal Debt	Amount of non-Federal debt as of 5/21/2015.
18	Debt Management Assumptions	Outstanding Appropriations	Amount of Federal Appropriations as of3/31/2015.
19	Debt Management Assumptions	Outstanding Capital Leases	Transmission Only – Amount of debt being held as capital leases as of 5/31/2015.
20	Debt Management Assumptions	CRFM Capital Forecast	Projected capital needs for CRFM activities as of 9/30/2014.
21	Debt Management Assumptions	Long-Term Federal Capital Forecast	Yearly amounts broken out by category through the next ten years. Every year after that is an average of the first ten years.
22	Debt Management Assumptions	Current Rate Period Federal Borrowing Plan	Detailed monthly or quarterly projected federal bonds through the end of the next rate period.
23	Debt Management Assumptions	Replacements and Credit Stream	Amount of capital needed to maintain systems.
24	Debt Management Assumptions	CGS Capital Projections	Power Only – Capital requirement as of 3/31/2015.

25         Debt Management Assumptions         TVA Revenues         Prover Oils*-Insum Init Energy Northwest is appacted expendicuse based on the 2012 Unatum Table 11           26         Debt Management Assumptions         Interest Rate Forecast         The efficial BPA Interest Rate Forecast (S1/2015).           27         Debt Management Assumptions         Interest Rate Forecast (S1/2015).         Rate of interest Rate Forecast (S1/2015).           28         Debt Management Assumptions         Energy Northwest Regional Cooperation Debt Program Foreira and provide provide program foreira and provide provid provide provid provide provid provide provide provide provide pr	
Josef Amalgement Assumptions         Interest Noore Rate         541 (2015)           27         Deck Management Assumptions         Interest Noore Rate         Note of Interest Have expect to earn on fund being heads of Color and a source interest fund source interest fu	
27         Deter Management Assumptions         Interest income has         based on Clockal Instant Foresam.           28         Doth Management Assumptions         Energy Northwest Regional Cooperation Debt Program         memory Adv. The action makes regional Cooperation Debt Program           29         Power Exponses Assumptions         Program Exponse (General)         The to the Final IPR exponse for PY 15 17. FYs 18.30 are approved from PY 18 forcing PY 28 assume 3 4           30         Power Exponses Assumptions         Columbia Exponse (General)         The to the Final IPR exponse for PY 18 forcing PY 28 assume 3 4           31         Power Exponses Assumptions         Columbia Generating Station (O&A)         Long Rage PInn IPN PY 8 forcing PY 38 assume 3 4           32         Power Exponses Assumptions         Columbia Generating Station (Neal Insurance)         Columbia Generating Station (Neal Insurance)         Columbia Generating Station (Neal Insurance)           33         Power Exponses Assumptions         Columbia Generating Station (Neal Insurance)         Consultate the IPN PY 18 for Constater with DOM PY 20 assume 3 5           34         Power Exponses Assumptions         Corps a Generation         PY15 17 constater with DOM PY 20 assume 3 5           35         Power Exponses Assumptions         Kaho Falls Bub Turbre         PY15 17 constater with DOM PY 20 assume 3 5           36         Power Exponses Assumptions         Kaho Falls Bub Turbre         PY1	sight Forecast as of
28         Debt Management Assumptions         Encert Notifices Regional Cooperation Debt Program (RCD)         Dest Management Assumptions           29         Debt Management Assumptions         Encert Notifices Regional Cooperation Debt Program (RCD)         The one Prain IPR Report for F17 F17 F18 13-00 (RCD)         The one Prain IPR Report for F17 F17 F18 13-00 (RCD)         The one Prain IPR Report for F17 F17 F18 13-00 (RCD)         The one Prain IPR Report for F17 F17 F18 13-00 (RCD)         The one Prain IPR Report for F17 F17 F18 13-00 (RCD)         The one Prain IPR Report for F17 F17 F18 13-00 (RCD)         The one Prain IPR Report for F17 F17 F18 13-00 (RCD)         The one Prain IPR Report for F17 F17 F18 13-00 (RCD)         The one Prain IPR Report for F17 F17 F18 13-00 (RCD)         The one Prain IPR Report for F17 F17 F18 13-00 (RCD)         The one Prain IPR Report for F17 F17 F18 F100 (RCD)         The one Prain IPR Report for F17 F17 F18 F100 (RCD)         The one Prain IPR Report f17 F17 F18 F100 (RCD)         The one Prain IPR Report f17 F17 F18 F100 (RCD)         The one Prain IPR Report f17 F17 F18 F100 (RCD)         The one Prain IPR Report f17 F17 F18 F100 (RCD)         The one Prain IPR Report f17 F17 F18 F100 (RCD)         The one Prain IPR Report f17 F17 F18 F1700 (RCD)         The one Prain IPR Report f17 F17 F18 F1700 (RCD)         The one Prain IPR Report f17 F17 F18 F1700 (RCD)         The one Prain IPR Report f17 F17 F18 F1700 (RCD)         The one Prain IPR Report f17 F17 F18 F1700 (RCD)         The one Prain IPR Report f17 F17 F18 F1700 (RCD)         The one Prain IPR Report f17 F17 F18 F1700 (RCD)         The one Prain IPR Report f17 F17 F17 F18 F1700 (RCD) <td>held to pay off deb</td>	held to pay off deb
29         Power Expenses Assumptions         Program Expenses (General)         This to the final IPR Report PV 15-17. FV 15-03.04           30         Power Expenses Assumptions         Columbia Generating Station (OAM)         Long Range Put from FV18 through FV 30 assumes 3.0           31         Power Expenses Assumptions         Columbia Generating Station (Decommissioning Thit)         Long Range Put from FV18 through FV 30 assumes 4.4           32         Power Expenses Assumptions         Columbia Generating Station (Decommissioning Thit)         Columbia Generating Station (Decommissioning Thit)           33         Power Expenses Assumptions         Columbia Generating Station (Decommissioning Thit)         Construction Station (PR FV18 through FV 30 assumes 4.4           34         Power Expenses Assumptions         Columbia Generating Station (Decommissioning Thit)         Construction Station (PR FV18 through FV 30 assumes 4.4           35         Power Expenses Assumptions         Corps of Engineers         FV15 through FV 30 source 3.4         Prive FV18 through FV 30 source 3.4           36         Power Expenses Assumptions         Main Falls Bub Turbine         Prive FV18 through FV 30 through FV3 source 3.4           37         Power Expenses Assumptions         Station Falls Bub Turbine         Prive FV18 through FV 30 through FV 30 through FV 30 through FV3 source 3.4           38         Power Expe	d bonds to urces that are then
30         Power Expenses Assumptions         Columba Centraling Station (Uain)         Does not include a reduction to DOE settlement datas fund a control in the intervent of t	re tied to long
31         Power Expenses Assumptions         Columbia Centering Station (Decommissioning TRB) Fund 3           32         Power Expenses Assumptions         Columbia Generating Station (Nel Insurance)         Consistent with IFR_FV18 through FV 30 assumes 4 % Investment and Insurance Decoming a	
22         Power Expenses Assumptions         Columbia Generating Station (Neil Insurance)         Investment performance and insurance bases are consultation           33         Power Expenses Assumptions         Bureau of Reclamation         Prover Expenses Assumptions         Prover Expenses Assumptions           34         Power Expenses Assumptions         Corps of Engineers         Prover Expenses Assumptions         Corps of Engineers           35         Power Expenses Assumptions         Corps of Engineers         Assume contract intege Action for wages as well as expected increases in maintenance in Intege Action           36         Power Expenses Assumptions         Idata Falls Bub Turbine         Assume contract nerves in a garby: inflation assumptions.           37         Power Expenses Assumptions         Covitz Falls O&M         Assume contract nerves in thread action of wages as well and thread with a floto and a case SS.SUMM.           38         Power Expenses Assumptions         Builing Creats Generation         Assume contract nerves in thread action of wages as well and thread action assumptions.           39         Power Expenses Assumptions         Ther 2 Power Purchases         Contract are set intract nerves in a fail mod.           39         Power Expenses Assumptions         Ther 2 Power Purchases         Assumes common agercy inflation assumptions.           40         Power Expenses Assumptions         Ther 2 Power Purchases         Assumes co	
33         Power Expenses Assumptions         Bureau of Reclamation         through 2021. Expenses Assumptions           34         Power Expenses Assumptions         Corps of Engineers         2030 based on our expected increases in trades & oral sequence of through 2021. The Corps is using 3.2%. Increase base expectations for wages as well as expected increases in maintenace in that time cortical market index with a floor and a case of SSS Obstrober 2021 (maintain resources) and purchase the output of the City of Idahon assumptions. Assumes common agency inflation assumptions. Cowletz Fails O&M           37         Power Expenses Assumptions         Billing Credits Generation         Assumes Common agency inflation assumptions. Assumes Common agency inflation assumptions. Cowletz Fails O&M           38         Power Expenses Assumptions         Cowlet Generation Stitement         Assumes common agency inflation assumptions. Cowlet Generation Stitement           39         Power Expenses Assumptions         Tier 2 Power Purchases         Contract are set through 2012. Actual forecasts are deach failed and resources assumes common agency inflation assumptions. Assumes common agency inflation assumptions. Assumes common agency inflation assumptions. Tier 2 Power Purchases           40         Power Expenses Assumptions         Tier 2 Power Purchases         Assumes common agency inflation assumptions. Asprearel and that support services a	
34         Power Expenses Assumptions         Corps of Engineers         through 2021, The Corps is using a 32% increase base supplications for wages as well as expected increases in maintenance in that time period.           35         Power Expenses Assumptions         Idaho Falls Bulb Turbine         Assumes common agency inflation assumptions. Assumes common agency inflation assumptions.           36         Power Expenses Assumptions         Cowitz Falls O&M         Assumes Common agency inflation assumptions.           37         Power Expenses Assumptions         Cowitz Falls O&M         Assumes Common agency inflation assumptions.           38         Power Expenses Assumptions         Billing Credits Generation         Assumes Common agency inflation assumptions.           39         Power Expenses Assumptions         Cohile Generation Settlement         Assumes common agency inflation assumptions.           30         Power Expenses Assumptions         Tier 2 Power Purchases         Assumes common agency inflation assumptions.           40         Power Expenses Assumptions         Tier 2 Power Purchases         Assume power purchase ac construct and is based on a ad customer stellar ment.           41         Power Expenses Assumptions         Renewables         Assumes contracts are of towal of the 2 ustomers.           42         Power Expenses Assumptions         Trejan O&M         Assumes contracts with o tad the apole actinthe profuse contrul based on a gency inflation assumptio	increase for 2022-
35       Power Expenses Assumptions       Idaho Falls Bulb Turbine       Assume contract reveal in September 2021 (maintain fresources) and purchase the output of the City of daho project's four bub turbines at a market provide take with a feor and a cad percy inflation assumptions.         36       Power Expenses Assumptions       Cowlitz Falls O&M       Assumes common agency inflation assumptions.         37       Power Expenses Assumptions       Billing Credits Generation       Assumes common agency inflation assumptions.         38       Power Expenses Assumptions       Waua       Assumes common agency inflation assumptions.         40       Power Expenses Assumptions       Tier 2 Power Purchases       Contract are set through 2019. Actual forecasts are of each rate period and are based on foads and resources assumes common agency inflation assumptions.         41       Power Expenses Assumptions       Tier 2 Power Purchases       Augmentation       Assumes contract angency inflation assumptions.         42       Power Expenses Assumptions       Renewables       Augmentation       Augmentation and exteed on loads and resources assumes contract and product selections. Augmentation and actioner watar and product selections. Augmentation and exteed on load and resources assume contract and based on load and resources and and product selections. Augmentation actioner watar and product selections. Augmentatin resources and quantities after application resources	ed on similar
36         Power Expenses Assumptions         Control Falls O&M         Assumes OM costs increase consistent with inflation.           37         Power Expenses Assumptions         Billing Credits Generation         Assumes Dilling Credits costs are flat lined.           38         Power Expenses Assumptions         Colville Generation Settlement         Assumes common agency inflation assumptions.           39         Power Expenses Assumptions         Ter 2 Power Purchases         Assumes common agency inflation assumptions.           40         Power Expenses Assumptions         Ter 2 Power Purchases         Contracts are set through 2019. Actual forecasts are do each rate ported and are based on loads and resources assumes current product selections. Augmentation is a rate case construct and is based on I and contracts will not be resources assumptions           41         Power Expenses Assumptions         Augmentation         Assumes a contract will not be renewed resources assumes current product selections. Augmentation is a rate case costs will inflate based on load and the second cost assumptions.           42         Power Expenses Assumptions         Renewables         Assumes 3.9% inflation rate.           43         Power Expenses Assumptions         Trojan O&M         Assumes 3.9% inflation rate.           44         Power Expenses Assumptions         Trojan O&M         Assumes a .9% inflation rate.           44         Power Expenses Assumptions         Cleanvater Hatchery Generation <td>o Falls hydro</td>	o Falls hydro
38         Power Expenses Assumptions         Wauna         Assume no contract renewal in 2017. (Decrease in tier           39         Power Expenses Assumptions         Colville Generation Settlement         Assumes common agency inflation assumptions.           40         Power Expenses Assumptions         Tier 2 Power Purchases         Contracts are set through 2019. Actual forecasts are do each rate period and are based on loads and resources assumes current product selections and options continu passed along to Tier 2 customers.           41         Power Expenses Assumptions         Augmentation         Augmentation is a rate case construct and is based on I and customer loads and product selections. Augmentation is a rate case construct and is based on I and customer loads and product selections. Augmentation is a rate case construct swill not be renewed I resources), that the 54M resource development budget and dust support services costs will inflate based on age after 2021.           42         Power Expenses Assumptions         Trojan O&M         Assumes a 195% inflation rate.           43         Power Expenses Assumptions         Trojan O&M         Assumes common agency inflation assumptions.           44         Power Expenses Assumptions         Cleanvater Hatchery Generation         Assumes common agency inflation assumptions.           45         Power Expenses Assumptions         Cleanvater Hatchery Generation         Assumes common agency inflation assumptions.           48         Power Expenses Assumptions         Cleanvater Hatchery	
39         Power Expenses Assumptions         Colville Generation Settlement         Assumes common agency inflation assumptions. Contracts are set through 2019. Actual forecasts are do each rate period and are based on loads and resources assumes common agency inflation assumptions.           40         Power Expenses Assumptions         Tier 2 Power Purchases         Contracts are set through 2019. Actual forecasts are do assumes current product selections and options continu passed along to Tier 2 customers.           41         Power Expenses Assumptions         Augmentation         Augmentation is a rate case construct and is based on 1 and customer loads and product selections. Augmentation includes expected prices and quantities after application resources), that the S4M resource development budget and that support services costs will inflate based on age after 2021.           42         Power Expenses Assumptions         Trojan O&M         Assumes a 3.5% inflation rate.           43         Power Expenses Assumptions         Trojan O&M         Assumes a 3.5% inflation rate.           44         Power Expenses Assumptions         Side Party Transmission and Ancillary Services         Assumes common agency inflation assumptions.           45         Power Expenses Assumptions         Renewables (Legal)         Assumes common agency inflation assumptions.           46         Power Expenses Assumptions         Renewables (Legal)         Assumes common agency inflation assumptions.           47         Power Expenses Assumptions         Renewables (Le	
40         Power Expenses Assumptions         Tier 2 Power Purchases         Assumes common agency inflation assumptions. Contracts are set through 2019. Actual forecasts are de each rate period and are based on loads and resources assumes current product selections and options continu passed alon to Tier 2 customers.           41         Power Expenses Assumptions         Augmentation         Augmentation and customer loads and product selections. Augmentati prices are escatated from BP -16 levels by general inflate and customer loads and product selections. Augmentati prices are escatated from BP -16 levels by general inflate and customer loads and product selections. Augmentati prices are escatated from BP -16 levels by general inflate and that support services costs will inflate based on age after 2021.           42         Power Expenses Assumptions         Trojan O&M         Assumes contracts will inflate based on age after 2021.           43         Power Expenses Assumptions         Trojan O&M         Assumes a 1.35% inflation rate.           44         Power Expenses Assumptions         Stro Party Transmission and Ancillary Services         Assumes common agency inflation assumptions.           45         Power Expenses Assumptions         Clearwater Hatchery Generation         Assumes common agency inflation assumptions.           48         Power Expenses Assumptions         Drat Wheeling         Assumes common agency inflation assumptions.           49         Power Expenses Assumptions         Energy Efficiency Development (Reimbursable)         Assumes common agency inflation assumpti	1 resources)
40       Power Expenses Assumptions       Tier 2 Power Purchases       Contracts are set through 2019. Actual forecasts are do each rate period and are based on loads and resources assumes current product selections and options continu passed alon to Tier 2 customers.         41       Power Expenses Assumptions       Augmentation is a rate case construct and is based on 1 and customer loads and product selections. Augmentation is a rate case construct and is based on 1 and customer loads and product selections. Augmentation is a rate case construct and is based on 1 and customer loads and product selections. Augmentation is a rate case construct and is based on 1 and customer loads and product selections. Augmentation is a rate case construct and is based on 1 and customer loads and product selections. Augmentation is a rate case construct and is based on 1 and customer loads and product selections. Augmentation is a rate case construct and is based on 1 and customer loads and product selections. Augmentation is a rate case construct and is based on 1 and customer loads and product selections. Augmentation is a rate case construct and is based on 1 and customer loads and tractures in the selections. Augmentation is a rate case construct and is based on 2 and that support services costs will inflate based on age after 2021.         42       Power Expenses Assumptions       Trojan O&M       Assumes a 1.95% inflation rate.         44       Power Expenses Assumptions       Trojan O&M       Assumes a common agency inflation assumptions.         45       Power Expenses Assumptions       Part Y Transmission and Ancillary Services       Assumes common agency inflation assumptions.         46       Power Expenses Assumptions	
41       Power Expenses Assumptions       Augmentation       and customer loads and product selections. Augmentating prices are escalated from BP-16 levels by general inflat includes expected prices and quantities after application and the support services costs will inflate based on age after 2021.         42       Power Expenses Assumptions       Trojan O&M       Assumes a 1.95% inflation rate.         43       Power Expenses Assumptions       WINP-1,3&4 O&M       Assumes a 1.95% inflation rate.         44       Power Expenses Assumptions       Sid Party Transmission and Ancillary Services       Assumes a 5.% rate of inflation.         45       Power Expenses Assumptions       Clearwater Hatchery Generation       Assumes common agency inflation assumptions.         46       Power Expenses Assumptions       DR & Smart Grid       Assumes common agency inflation assumptions.         47       Power Expenses Assumptions       Energy Efficiency Development (Reimbursable)       Assumes common agency inflation assumptions.         48       Power Expenses Assumptions       Generation Integration       Assumes common agency inflation assumptions.         50       Power Expenses Assumptions       Generation Integration       Assumes common agency inflation assump	es. Forecast
42Power Expenses AssumptionsRenewablesresources), that the \$4M resource development budget and that support services costs will inflate based on age after 2021.43Power Expenses AssumptionsTrojan 0&MAssumes a 1.95% inflation rate.44Power Expenses AssumptionsWNP-1,3&4 0&MAssumes a 3.5% inflation rate.45Power Expenses AssumptionsClearwater Hatchery GenerationAssumes a 5% rate of inflation.46Power Expenses AssumptionsClearwater Hatchery GenerationAssumes common agency inflation assumptions.47Power Expenses AssumptionsDR & Smart GridAssumes common agency inflation assumptions.48Power Expenses AssumptionsEnergy Efficiency Development (Reimbursable)Assumes common agency inflation assumptions.49Power Expenses AssumptionsGeneration IntegrationAssumes common agency inflation assumptions.50Power Expenses AssumptionsGeneration IntegrationAssumes common agency inflation assumptions.51Power Expenses AssumptionsPlanning CouncilAssumes common agency inflation assumptions.52Power Expenses AssumptionsCorporate Hatcheries (Lower Snake River Compensation Plan)Assumes common agency inflation assumptions.53Power Expenses AssumptionsCorporate G&AAssumes common agency inflation assumptions.54Power Expenses AssumptionsCorporate G&AAssumes common agency inflation assumptions.55Power Expenses AssumptionsCorporate G&AAssumes common agency inflation assumptions.56Power Expenses Assumpt	ation purchase ation. Risk analysis
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S9         Power Expenses Assumptions         Fish and Wildlife (BPA F&W Program)         existing BiOps.	y accords and
60         Power Expenses Assumptions         PNCA Headwater Benefits         Assumes costs are flat lined after FY17.	
61         Power Expenses Assumptions         Market Transformation (NEEA)         Assumes level spending within the NEEA fiscal year (ca 2.8% inflation after the current contract expires.	alendar year) and

62	Power Expenses Assumptions	New resources integration wheeling	Assumes new resources integration wheeling costs are flat.
63	Power Expenses Assumptions	Residential Exchange	IOU benefits for years 2018 through 2028 were established by settlement agreement (increase 7% per rate period). Increase for 2029-2030 assumed to be 7%.
64	Power Expenses Assumptions	Conservation Acquisition	Conservation Acquisition is increased based on Employment Cost projections 2018 through 2023, 2024 to 2030 averaged at 3.8% based on 2015 through 2023.
65	Power Expenses Assumptions	Legacy (Tacoma)	Uncertainty in the exact payment amounts through 2025.
66	Power Expenses Assumptions	Other Power Purchase (Short Term)	Modeled in RAM. Costs are calculated annually based on Hoss study forecasts. Reference case escalates BP-16 purchase prices using general inflation.
67	Power Expenses Assumptions	Power Undistributed Reduction IPR-14	Assumes the IPR-2 determined undistributed reduction continues through 2030. The IPR-2 undistributed reduction to offset expensing conservation terminates with FY17.
68	Power Expenses Assumptions	PBL- Transmission and Ancillary Services	Assumes a 5% rate of inflation.
69	Power Rates Assumptions	Loads	I HL Forecasts are calibrated to the updated forecast of the I ier 1 System Capability and RHWM Augmentation forecasts out of the new TRM billing determinants model maintained by PSR Power Rates. These were decomposed into the following product groupings: Block, Slice- Block, Slice Resource, Load Following System Shape Load, Load Following Load Shaping, and Tier 2. Conservation Augmentation, as forecast by KSL Load Forecasting, was included to arrive at net Preference Load. DSI Loads assumed current long-term contract demand quantities as included in Alcoa and Port Townsends' contracts. Alcoa's load reflects the recent reduction in contract demand and assumes this level continues throughout the forecast period even though the contract expires earlier.
			Initial Final Proposal.
70	Power Rates Assumptions	Resources	Both Federal and non-federal/contracted resource amounts rely on forecasts from LORA's BP-16 study for the Initial Final Proposal.
71	Power Rates Assumptions	Revenue Requirement	Load and resource forecasts were used to forecast the system augmentation amount required to achieve load resource amounts. Consistent with rate case practice, these modeled market purchases were valued at the average price from Aurora under 1937 water conditions, utilizing escalation assumptions in the market price forecast. Transmission Expenses for power were computed consistent with the model for the BP-16 period, and apply growth rate assumptions imbedded in the Transmission Rate Forecast to out years.
72	Power Rates Assumptions	Tier 2 and RSS Costs	Tier 2 costs were estimated at the system augmentation price computed by RevSim. RevSim assumes escalation implied by the annual increase in Aurora Mid-C prices in the last two fiscal years modeled, and carries this escalation forward through 2030. 4(h)(10)(C) was modeled consistent with RevSim and AURORA market
73	Power Rates Assumptions	Revenue Credits	price assumptions through 2030. Revenues from other contracts were flat-lined from BP-16 modeled levels for 2016-2017 to contract termination date, or 2030, whichever comes first. This includes Downstream Benefits and Pumping Power, Colville and Spokane Settlements, Green Tags, Hungry Horse, Pasadena and Riverside exchange agreements, Upper Baker storage with PSE, Miscellaneous credits (mainly associated with GTA), and WNP3 Settlement. Generation Inputs assume Corp and Bureau-implied inflation rates in the embedded costs, and assume elections for service move to 15 minute scheduling. The wind forecast is updated to expected RPS standards.
			Energy Efficiency Revenue Credits match Energy Efficiency Revenue Costs for this cost-credit program. Forecasts were computed for ASCs and residential and small farm loads
74	Power Rates Assumptions	REP – Average System Costs and Residential and Small Farm Loads	for BP-16. Escalation beyond the BP-16 period was assumed at the change in utility costs between 2016 and 2017, applies to 2018 and beyond. These assumptions do not affect overall REP benefit levels, just the distribution of benefits among participants.
75	Power Rates Assumptions	Transmission Rate Forecast	Power services utilized the NT and Point to Point and Intertie rates as forecast by the Transmission group, incorporating all of Transmission's out-year assumptions.
76	Power Rates Assumptions	Market Price Forecast	Aurora market prices at Mid-Columbia modeled through FY 2030.
77	Power Rates Assumptions	Secondary and Balancing Purchases	Secondary and Balancing purchases are escalated from BP-16 levels by general inflation. Expectations for secondary sales and purchases are modeled in RevSim through 2030, using load and resource assumptions consistent with Power Rates, and Aurora market prices consistent with the escalation assumptions stated above These assume 50 games for 80 water years, and incorporate load and resource variability consistent with BP-16 modeling assumptions. Results are incorporated into risk assessment around the reference case.

78	Power Rates Assumptions	LDD and IRD Costs included in Power Rates	BPA maintains two rate discount programs – one for irrigation loads, and another for customers with a high proportion of pole-miles relative to loads (aka to the "low density discount"). These are modeled consistent with BP-16 assumptions for FY 2016 and 2017, and computed based on the modeled PF Tier 1 Average Net Cost of Power through 2030.
79	Transmission Expenses Assumptions	Program Expense (General)	Program expenses tie to the BP 16 Final Proposal for FY 15-17. Program expenses between FY 18 and FY 30 are inflated off of approved 2014 Final IPR expenses, with exceptions for those programs that have known long-range plans or agreements.
80	Transmission Expenses Assumptions	Transmission Operations (EIM)	EIM costs continue uninflated.
81	Transmission Expenses Assumptions	Transmission Operations (O&M)	Common agency inflation assumption, except EIM and Control Center.
82	Transmission Expenses Assumptions	Transmission Engineering (NERC/WECC Expense)	Assumes adding \$2M in 2018 for estimated amount of WECC Peak costs. Assumes a \$1M increase over the rate of inflation every 2 year cycle due to likelihood of increasing compliance standards and requirements.
83	Transmission Expenses Assumptions	Acquisition and Ancillary Services (Non-BBL and BBL Expenses)	Non-BBL and BBL Ancillary costs will remain a flat amount in the out years at the rate assumed in FY17 with exceptions: 1) Settlement costs were increased to be \$500k per year beginning in FY18 and then remain uninflated; 2) Transmission Renewables program costs will continue to increase at the rate of inflation; 3) Leases including Avista on-going parallel capacity support will continue uninflated.
84	Transmission Expenses Assumptions	Undistributed Reduction	Miscellaneous expenses, including costs that are not assigned to specific programs. Assumes the IPR-determined undistributed reduction continues through 2030.
85	Transmission Expenses Assumptions	Transmission Operations (Control Center)	First, general inflation is applied. Second, an additional plan of forecasts is added to the inflated amounts.
86	Transmission Expenses Assumptions	Transmission Maintenance (O&M)	Common agency inflation assumption, except for HMEM.
87	Transmission Expenses Assumptions	Transmission Maintenance (HMEM)	This project captures accounting treatment of Heavy Equipment and Maintenance costs. This treatment will match actuals on the financial reports, so the assumption amount is zero.
88	Transmission Expenses Assumptions	Transmission Engineering (O&M)	Common agency inflation assumptions, except for WECC/NERC.
89	Transmission Expenses Assumptions	Transmission Reimbursables	Common agency inflation assumptions.
90	Transmission Expenses Assumptions	Post-Retirement Benefits	Common agency inflation assumption.
91	Transmission Expenses Assumptions	Agency Services G&A	Common agency inflation assumption, IPR corporate allocation rates.
92	Transmission Rates Assumptions	Network Loads	The NT loads use the 12 Non Coincidental peak for allocation of costs and 12 Coincidental peak for billing determinants to calculate rates. This was used in the BP-16 Initial Proposal and was assumed for twenty years.
93	Transmission Rates Assumptions	Point-to-Point sales	Increased based on sales in the queue for the capital builds of I-5. There was no assumption for reduction in the short-term market due to market changes or decrease of Long term firm PTP sales due to asset swaps. There is an assumption of 1350 MW of wind start to come on in FV 18 through FY 2025.
94	Transmission Rates Assumptions	IS Rates (Southern Intertie)	There was a PDCI upgrade that would be energized FY 17. There is a partial increase for BP-16 with a full effect in BP-18 with the 125 mw.
95	Transmission Rates Assumptions	Utility Delivery	No assumption of more delivery sales. 0.7% load growth.
96	Transmission Rates Assumptions	IM Rates (Montana Intertie)	There is no assumption of Colstrip shut down. There is an assumption that the mw do not go away in FY 2027 due to the contract expiration. Assumes16 mw for PAC.
97	Transmission Rates Assumptions	WECC and PEAK Rates	Assumption of costs increases with the common agency inflation rate.
98	Transmission Rates Assumptions	Gen Inputs	Assumes common agency inflation rate
99	Transmission Rates Assumptions	Oversupply Rate	Pass thru costs.
100	Transmission Rates Assumptions	IR and FPT	By FY 2017, there are only a few legacy contracts. Legacy products are assumed to convert to OATT products using the current capacity.
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*Financial Disclosure:* This information has been made publicly available by BPA on November 09, 2015 and contains information not reported in agency financial statement.