

BP-16 Rate Proceeding

Transmission Rates Study and Documentation

BP-16-FS-BPA-07

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TRANSMISSION RATES STUDY AND DOCUMENTATION

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COMMONLY USED ACRONYMS AND SHORT FORMS

ACNR	Accumulated Calibrated Net Revenue
ACS	Ancillary and Control Area Services
AF	Advance Funding
aMW	average megawatt(s)
ANR	Accumulated Net Revenues
ASC	Average System Cost
BAA	Balancing Authority Area
BiOp	Biological Opinion
BPA	Bonneville Power Administration
Btu	British thermal unit
CDQ	Contract Demand Quantity
CGS	Columbia Generating Station
CHWM	Contract High Water Mark
CIR	Capital Investment Review
COE	U.S. Army Corps of Engineers
COI	California-Oregon Intertie
Commission	Federal Energy Regulatory Commission
Corps	U.S. Army Corps of Engineers
COSA	Cost of Service Analysis
COU	consumer-owned utility
Council	Northwest Power and Conservation Council
CP	Coincidental Peak
CRAC	Cost Recovery Adjustment Clause
CSP	Customer System Peak
CT	combustion turbine
CY	calendar year (January through December)
DDC	Dividend Distribution Clause
<i>dec</i>	decrease, decrement, or decremental
DERBS	Dispatchable Energy Resource Balancing Service
DFS	Diurnal Flattening Service
DNR	Designated Network Resource
DOE	Department of Energy
DOI	Department of Interior
DSI	direct-service industrial customer or direct-service industry
DSO	Dispatcher Standing Order
EE	Energy Efficiency
EIS	Environmental Impact Statement
EN	Energy Northwest, Inc.
ESA	Endangered Species Act
ESS	Energy Shaping Service
e-Tag	electronic interchange transaction information
FBS	Federal base system
FCRPS	Federal Columbia River Power System
FCRTS	Federal Columbia River Transmission System

FELCC	firm energy load carrying capability
FORS	Forced Outage Reserve Service
FPS	Firm Power and Surplus Products and Services
FPT	Formula Power Transmission
FY	fiscal year (October through September)
G&A	general and administrative (costs)
GARD	Generation and Reserves Dispatch (computer model)
GMS	Grandfathered Generation Management Service
GSR	Generation Supplied Reactive
GRSPs	General Rate Schedule Provisions
GTA	General Transfer Agreement
GWh	gigawatthour
HLH	Heavy Load Hour(s)
HOSS	Hourly Operating and Scheduling Simulator (computer model)
HYDSIM	Hydrosystem Simulator (computer model)
IE	Eastern Intertie
IM	Montana Intertie
<i>inc</i>	increase, increment, or incremental
IOU	investor-owned utility
IP	Industrial Firm Power
IPR	Integrated Program Review
IR	Integration of Resources
IRD	Irrigation Rate Discount
IRM	Irrigation Rate Mitigation
IRMP	Irrigation Rate Mitigation Product
IS	Southern Intertie
kcfs	thousand cubic feet per second
kW	kilowatt
kWh	kilowatthour
LDD	Low Density Discount
LLH	Light Load Hour(s)
LPP	Large Project Program
LPTAC	Large Project Targeted Adjustment Charge
Maf	million acre-feet
Mid-C	Mid-Columbia
MMBtu	million British thermal units
MRNR	Minimum Required Net Revenue
MW	megawatt
MWh	megawatthour
NCP	Non-Coincidental Peak
NEPA	National Environmental Policy Act
NERC	North American Electric Reliability Corporation
NFB	National Marine Fisheries Service (NMFS) Federal Columbia River Power System (FCRPS) Biological Opinion (BiOp)
NIFC	Northwest Infrastructure Financing Corporation
NLSL	New Large Single Load

NMFS	National Marine Fisheries Service
NOAA Fisheries	National Oceanographic and Atmospheric Administration Fisheries
NORM	Non-Operating Risk Model (computer model)
Northwest Power Act	Pacific Northwest Electric Power Planning and Conservation Act
NP-15	North of Path 15
NPCC	Pacific Northwest Electric Power and Conservation Planning Council
NPV	net present value
NR	New Resource Firm Power
NRFS	NR Resource Flattening Service
NT	Network Integration
NTSA	Non-Treaty Storage Agreement
NUG	non-utility generation
NWPP	Northwest Power Pool
OATT	Open Access Transmission Tariff
O&M	operation and maintenance
OATI	Open Access Technology International, Inc.
OMP	Oversupply Management Protocol
OS	Oversupply
OY	operating year (August through July)
PDCI	Pacific DC Intertie
Peak	Peak Reliability
PF	Priority Firm Power
PFIA	Projects Funded in Advance
PFp	Priority Firm Public
PFx	Priority Firm Exchange
PNCA	Pacific Northwest Coordination Agreement
PNRR	Planned Net Revenues for Risk
PNW	Pacific Northwest
POD	Point of Delivery
POI	Point of Integration or Point of Interconnection
POR	Point of Receipt
Project Act	Bonneville Project Act
PRS	Power Rates Study
PS	Power Services
PSC	power sales contract
PSW	Pacific Southwest
PTP	Point to Point
PUD	public or people's utility district
PW	WECC and Peak Service
RAM	Rate Analysis Model (computer model)
RD	Regional Dialogue
REC	Renewable Energy Certificate
Reclamation	U.S. Bureau of Reclamation
REP	Residential Exchange Program
REPSIA	REP Settlement Implementation Agreement

RevSim	Revenue Simulation Model
RFA	Revenue Forecast Application (database)
RHWM	Rate Period High Water Mark
ROD	Record of Decision
RPSA	Residential Purchase and Sale Agreement
RR	Resource Replacement
RRS	Resource Remarketing Service
RSC	Resource Shaping Charge
RSS	Resource Support Services
RT1SC	RHWM Tier 1 System Capability
SCD	Scheduling, System Control, and Dispatch rate
SCS	Secondary Crediting Service
SDD	Short Distance Discount
SILS	Southeast Idaho Load Service
Slice	Slice of the System (product)
T1SFCO	Tier 1 System Firm Critical Output
TCMS	Transmission Curtailment Management Service
TGT	Townsend-Garrison Transmission
TOCA	Tier 1 Cost Allocator
TPP	Treasury Payment Probability
TRAM	Transmission Risk Analysis Model
Transmission System Act	Federal Columbia River Transmission System Act
Treaty	Columbia River Treaty
TRL	Total Retail Load
TRM	Tiered Rate Methodology
TS	Transmission Services
TSS	Transmission Scheduling Service
UAI	Unauthorized Increase
UFT	Use of Facilities Transmission
UIC	Unauthorized Increase Charge
ULS	Unanticipated Load Service
USACE	U.S. Army Corps of Engineers
USBR	U.S. Bureau of Reclamation
USFWS	U.S. Fish & Wildlife Service
VERBS	Variable Energy Resources Balancing Service
VOR	Value of Reserves
VR1-2014	First Vintage Rate of the BP-14 rate period (PF Tier 2 rate)
VR1-2016	First Vintage Rate of the BP-16 rate period (PF Tier 2 rate)
WECC	Western Electricity Coordinating Council
WSPP	Western Systems Power Pool

1 **1. INTRODUCTION TO THE TRANSMISSION RATES STUDY**

2 **1.1 Purpose**

3 The Transmission Rates Study describes the rate design process and the calculations
4 used for developing the transmission rates for BPA’s wholesale transmission services for
5 fiscal years (FY) 2016 and 2017. The primary purpose of this study is to demonstrate
6 that the rates have been developed in a manner consistent with statutory directives and
7 will recover the transmission revenue requirement for the rate period. The transmission
8 rates can be found in the Transmission, Ancillary and Control Area Service Rate
9 Schedules, BP-16-A-02-AP03.

10
11 This study also discusses the development and calculation of rates for two ancillary
12 services that are associated with transmission service: (1) Scheduling, System Control,
13 and Dispatch (SCD) Service, and (2) Reactive Supply and Voltage Control from
14 Generation Sources Service (also known as Generation Supplied Reactive (GSR)
15 Service). The Generation Inputs Testimony, BP-16-E-BPA-12, discusses the
16 generation input settlement proposal and the rates for the ancillary and control area
17 services covered by the settlement proposal.

18
19 This study is organized into seven sections. The first is this introduction, which
20 includes a discussion of the statutory and contractual basis for the rate development and
21 an overview of the rate design process and methodology. Section 2 describes the sales
22 and revenue forecasts used to calculate the rates for network and intertie services.
23 Section 3 describes revenue credits and other adjustments that are applied to the

1 revenue requirements. Section 4 describes the calculation of the rates for transmission
2 service over the Network segment. Section 5 describes the calculation of the rates for
3 intertie transmission services. Section 6 describes the calculation of the rates for SCD
4 and GSR services. Section 7 discusses other transmission services and the General
5 Rate Schedule Provisions (GRSPs). The Transmission Rates Study includes the
6 documentation to support the calculations performed in this study.

8 **1.2 Basis for Rate Development**

9 **1.2.1 Statutes**

10 In accordance with section 4 of the Federal Columbia River Transmission System Act
11 (Transmission System Act), BPA constructs, operates, and maintains the Federal
12 Columbia River Transmission System (FCRTS) to (a) integrate and transmit electric
13 power from existing or additional Federal or non-Federal generating units; (b) provide
14 service to BPA customers; (c) provide interregional transmission facilities; and
15 (d) maintain the electrical stability and reliability of the system. 16 U.S.C. § 838b
16 (2012).

17
18 Section 7(a) of the Northwest Power Act sets forth the overall guidelines to be used in
19 establishing BPA's rates. Under section 7(a)(2), rates are effective upon a finding by the
20 Federal Energy Regulatory Commission (Commission or FERC) that the rates:

- 21 • are sufficient to ensure repayment of the Federal investment in the
22 Federal Columbia River Power System over a reasonable number of
23 years after first meeting the BPA Administrator's other costs;

- 1 • are based upon the BPA Administrator’s total system costs; and
- 2 • insofar as transmission rates are concerned, equitably allocate the
- 3 costs of the Federal transmission system between Federal and
- 4 non-Federal power utilizing the FCRTS. *Id.* § 839e(a)(2).

5

6 Section 9 of the Transmission System Act provides that rates shall be established

7 (1) to encourage the widest possible diversified use of electric power at the lowest

8 possible rates consistent with sound business principles; (2) to recover the cost of

9 producing and transmitting electric power, including amortization of the capital

10 investment allocated to power over a reasonable number of years; and (3) at levels that

11 produce such additional revenues as may be required to pay the principal, premiums,

12 discounts, expenses, and interest in connection with bonds issued under the

13 Transmission System Act. *Id.* § 838g. Section 10 of the Transmission System Act

14 allows for uniform rates and specifies that the costs of the Federal transmission system

15 be equitably allocated between Federal and non-Federal uses of the system. *Id.* § 838h.

16

17 Section 212(i) of the Federal Power Act sets forth additional ratemaking requirements

18 for transmission rates for transmission service ordered by the Commission. *Id.*

19 § 824k(i). Section 211A of the Federal Power Act authorizes the Commission to

20 require unregulated transmitting utilities (including BPA) to provide transmission

21 service at rates comparable to those that the unregulated transmitting utilities charge

22 themselves. *Id.* § 824j–1.

1 **1.2.2 Existing Contractual Arrangements**

2 The transmission rates developed in this study will apply to existing and new service
3 agreements established under BPA’s Open Access Transmission Tariff (OATT), as well
4 as legacy (grandfathered, pre-FERC Order 888) transmission service contracts, for the
5 FY 2016–2017 rate period. For some contracts, such as Direct Service Industry (DSI)
6 delivery contracts, rates change according to a contract schedule independent of the rate
7 proceeding. Under those contracts, new rates will apply only if the rate is due to change
8 under the contract schedule. Other contracts, such as Operations and Maintenance
9 (O&M) and Use-of-Facilities (UFT) contracts, are fixed-price or formula rate contracts
10 and are not affected by the rate design process discussed in this study.

11
12 **1.3 Overview of Transmission Rate Design Process and Methodology**

13 BPA establishes transmission rates by determining the overall costs of the transmission
14 system (revenue requirement) and allocating those costs to its various customer classes
15 through processes of segmentation (discussed below) and cost allocation. The costs
16 allocated to the various segments and customer classes are then divided by the forecast
17 usage of those segments and customer classes to derive transmission rates.

18
19 This study relies on the results of the Transmission Segmentation Study and the
20 Transmission Revenue Requirement Study to calculate the rates. Sections 1.3.1 and
21 1.3.2 provide an overview of these studies.

1 **1.3.1 Transmission Segmentation Study**

2 BPA divides its transmission system into segments such that transmission facilities that
3 serve different uses are assigned to different segments. The Transmission Segmentation
4 Study explains how BPA established its segments for the FY 2016–2017 rate period and
5 determined the investment and O&M expense ratios for each segment. BPA has
6 established seven segments for the purposes of developing rates for the rate period:
7 Generation Integration, Network, Southern Intertie, Eastern Intertie, Utility Delivery,
8 DSI Delivery, and Ancillary Services.

9
10 The segmented investment ratios (the percentage of total net plant investment
11 represented by each segment’s plant investment) and O&M cost ratios (the share of total
12 O&M costs represented by each segment’s historical O&M costs) identified in the
13 Transmission Segmentation Study are inputs to the Transmission Revenue Requirement
14 Study, where they are used to determine the portion of the transmission revenue
15 requirement that is allocated to each segment.

16
17 **1.3.2 Transmission Revenue Requirement Study**

18 The Transmission Revenue Requirement Study establishes the amount of revenue
19 needed to recover the costs associated with providing transmission services for the rate
20 period. The revenue requirement is based on program-level expenses and capital
21 expenditures developed in the 2014 Capital Investment Review and Integrated Program
22 Review (IPR) processes, which preceded the rate development process.

1 The Transmission Revenue Requirement Study determines the revenue requirements for
2 each segment (the segmented revenue requirement) by applying the investment and
3 O&M ratios developed in the Transmission Segmentation Study to the overall
4 transmission revenue requirement. The segmented transmission revenue requirement for
5 FY 2016–2017 is shown in Table 1 in this study. Section 2 of the Transmission Revenue
6 Requirement Study describes this allocation.

8 **1.3.3 Transmission Rates Study**

9 Development of the rates for the transmission and ancillary services addressed in this
10 study relies on two primary inputs: (1) sales forecasts developed as part of the study; and
11 (2) the segmented transmission revenue requirements developed in the Transmission
12 Revenue Requirement Study. The study takes the segmented transmission revenue
13 requirements, allocates these revenue requirements to the various transmission services,
14 and divides the allocated revenue requirements by the sales forecasts for each
15 transmission service developed in the rates study to calculate a rate for each service.
16 This study demonstrates that the rates have been developed in a manner consistent with
17 statutory directives and that they are sufficient to recover the allocated transmission
18 revenue requirement for the rate period.

1 **2. SALES AND REVENUE FORECASTS**

2 **2.1 Overview**

3 This study forecasts sales for each of the transmission services and certain ancillary
4 services for purposes of developing the rates. Transmission sales forecasts are generally
5 based on either forecast load or contract transmission demand, depending on the type of
6 transmission service. The study uses the sales forecast for two purposes: as the basis for
7 the transmission revenue forecasts, which determine the expected levels of revenue for
8 the rate period from transmission and ancillary services rates and other sources; and in
9 the calculation of rates, as described below.

10
11 BPA prepared two revenue forecasts for the rate period (FY 2016–2017), one forecasting
12 the revenue at current (BP-14) rates and the other at proposed (BP-16 Final Proposal)
13 rates. These revenue forecasts are used in the Transmission Revenue Requirement Study
14 to test whether current rates are sufficient to recover the transmission revenue
15 requirement and whether proposed rates are sufficient to recover the transmission
16 revenue requirement. *See* Transmission Revenue Requirement Study, BP-16-FS-
17 BPA-08, § 3.

18
19 Sales forecasts are discussed further in sections 2.2, 2.3, 2.4, and 2.5 below and are
20 shown on Tables 4, 5, 9, 10.1, 13.1, 13.2, 13.3, 14.1, 14.2 and 15 in this study. Revenue
21 forecasts are discussed further in section 2.6, and the revenue forecasts at current and
22 proposed rates are shown in Table 12.

23
24 In addition, BPA forecasts transmission credits and related interest expense associated
25 with generator interconnection agreements and the California-Oregon Intertie (COI)
26 upgrade project. These transmission credits are applied to customers' invoices for

1 transmission service and result in non-cash revenue (the related interest expense
2 represents non-cash expenses). The non-cash revenues are included in the revenue
3 forecasts because the transmission services to which they apply are included in the sales
4 forecasts. BPA forecasts the transmission credits separately because the non-cash
5 revenues and expenses have other impacts on revenue requirements and cost recovery.
6 These impacts are described further in section 2.3.5 of the Transmission Revenue
7 Requirement Study.
8

9 **2.2 Sales Forecasts for Transmission Service on BPA's Network**

10 Sales forecasts for long-term transmission services are generally based on measures of
11 use to which the charges for the service are applied. Sales forecasts of Network
12 Integration (NT) transmission service are based on load forecasts because the charges for
13 this transmission service are based on the customers' loads. Sales forecasts of long-term
14 Point-to-Point (PTP) transmission service, Integration of Resources (IR) transmission
15 service, and Formula Power Transmission (FPT) service are based on transmission
16 contract demand or reserved capacity because the charges for these services are based on
17 the demand or capacity amounts specified in the customers' transmission contracts.
18 BPA includes both existing sales and expected future sales in the forecasts.
19

20 Because short-term PTP service is not reserved far in advance, there are no existing
21 reserved capacities during the rate period on which to base the sales forecast. Instead,
22 the forecast is based on the statistical relationship between historical short-term sales
23 data and historical price spread and streamflow data. It is assumed that the historical
24 relationship represents the future relationship between short-term sales and streamflow

1 and forecast price spread. The methodology for forecasting sales for each transmission
2 service is discussed in more detail below.

3 4 **2.2.1 Sales Forecast for NT Transmission Service**

5 Network Integration service provides transmission service for a customer's designated
6 network load, including network load growth, over the Network segment. BPA
7 forecasts sales for NT service using Point of Delivery (POD) load forecasts. BPA
8 develops two monthly POD load forecasts for NT service: a non-coincident peak
9 forecast and a coincident peak forecast. The non-coincident peak forecast, which is
10 used in the Network segment cost allocation methodology, is a forecast of the
11 customer's highest hourly load. The customer's highest hourly load is the sum of the
12 hourly load at the customer's PODs on the hour of the month in which this sum is the
13 highest. The coincident peak forecast, which is used to calculate the NT rate and to
14 develop the sales forecasts used to forecast revenue at the current and proposed NT
15 rates, is a forecast of the customer's load at each POD on the hour of the monthly BPA
16 transmission system peak. These load forecasts include all retail loads (residential,
17 commercial, and industrial loads) in the customer's service territory.

18 19 **2.2.1.1 Determination of a Customer's Non-Coincident Peak Load Forecast**

20 BPA uses a multi-step process to determine NT customers' non-coincident peak POD
21 load forecasts. Steps 1 and 2 describe how BPA determines the customer's maximum
22 hourly load at the customer's PODs during each month of the rate period. Steps 3
23 and 4 explain how BPA adjusts the maximum hourly load forecast to determine the

1 sum of the hourly load at the customer's PODs on the hour in which this sum is the
2 highest (the highest hourly load). The non-coincident peak load forecast is used for
3 the Network segment cost allocation, described in section 4.

4 5 **Step 1: Regression Analysis of Historical Meter Readings**

6 First, BPA uses a regression analysis to identify the historical relationship between
7 POD load levels and temperature. A regression analysis evaluates how one variable
8 (in this case load levels) changes, given changes in independent variables (such as
9 temperature). The regression analysis identifies the statistical relationship between
10 historical load levels at individual PODs and temperature, among other variables. For
11 historical load level data, the analysis typically uses historical monthly meter readings
12 from individual PODs from 1999 to 2014, a period of time that includes a large enough
13 sample to perform meaningful statistical analysis. A shorter period is used for any
14 customer for which these years would not accurately reflect load growth, such as a
15 customer that added a sizeable new load in recent years.

16
17 For temperature data, BPA uses actual historical temperatures from National Oceanic
18 and Atmospheric Administration weather stations from the same time period. For each
19 POD, the analysis uses temperature data from a weather station near the POD and
20 identifies the relationship between the load levels and temperature. The model
21 confirms that both increasing and decreasing temperatures can result in increasing load
22 levels. Increasing temperatures lead to greater use of air conditioning during warm

1 weather periods, while decreasing temperatures lead to greater use of heating
2 equipment during cold weather periods.

3
4 The analysis also calculates the relationship between load levels and month of the year.

5 The analysis confirms that in certain months loads are typically higher than in other
6 months, regardless of temperature. For example, January loads are typically higher
7 than March loads because there are fewer daylight hours and, thus, more lighting use
8 in January than in March. As another example, December loads tend to be higher
9 because of increased use of decorative lighting for the holiday season. The analysis
10 determines the amount by which load changes in each month, regardless of
11 temperature. A variable assigned to each month, referred to as the monthly indicator
12 variable, represents the amount by which load varies in each month.

13
14 Finally, individual PODs may have a load shape that is independent of the temperature
15 and monthly variables. For example, a particular POD may have new construction or
16 technology changes that affect electrical consumption. As more households purchase
17 large-screen televisions, which use more electricity than smaller televisions, the load will
18 increase. If new commercial buildings or homes are built and served through the POD,
19 load at the POD will also increase. Therefore, the analysis calculates how historical load
20 levels at each POD change over time, independent of both temperature and month.

21 A variable assigned to each month, referred to as the time trend variable, represents
22 the amount by which load changes over time independent of other variables.

1 BPA uses a forecasting model that incorporates the relationships identified by the
2 regression analysis for each POD and applies indicators of future conditions, discussed
3 below, to develop the load forecast. The model assumes that historical relationships
4 between the dependent variable (load) at each POD and the independent variables
5 (temperature, the monthly indicator, and the time trend variable) represent future
6 relationships. The model applies variables representing possible future conditions to
7 the relationships to produce a load forecast.

8
9 **Step 2: Application of Indicators of Future Conditions to Model to Forecast**
10 **Load at Each POD**

11
12 For the second step, BPA forecasts the maximum hourly load at each POD in the
13 customer's contract for each month of the billing period, using the relationships
14 identified in the regression analysis. BPA inputs into the model independent variables
15 that represent possible future conditions. The variables include a temperature indicator,
16 the monthly indicator, and time trend variables discussed above.

17
18 A temperature indicator is the average heating degree days and cooling degree days.
19 Heating and cooling degree days are calculated from daily average temperatures between
20 1970 and 2004 and area base temperatures for the geographic area. The daily average
21 temperature is the average of the daily minimum and maximum outdoor temperatures on
22 a given day. The area base temperature is the temperature that reflects the use of heating
23 and cooling equipment in that area and other characteristics of the residential,
24 commercial, and industrial load. Heating degree days are days that the daily average
25 temperature is below the area base temperature for the geographic area. Cooling degree

1 days are days that the daily average temperature is above the area base temperature for
2 the geographic area. There is a positive relationship between heating and cooling degree
3 days and load change. More heating degree days mean colder than average temperatures
4 and higher loads from increased use of heating equipment. More cooling degree days
5 mean warmer than average temperatures and higher loads from increased use of air
6 conditioning equipment.

7
8 The model next applies the monthly indicator variable and the time trend variable to
9 forecast loads for each future month being evaluated. The monthly indicator variable
10 triggers the model to include in the forecast the amount by which historical loads in that
11 month have tended to change over time, regardless of temperature. For example, if the
12 month being forecast is January, the model forecasts loads based on the amount by
13 which loads in January are historically higher than loads in other months, regardless of
14 temperature. Similarly, the time trend variable triggers the model to include in the
15 forecast the amount by which historical loads have changed over time, regardless of
16 temperature and monthly indicator. For example, if the forecast is being developed for
17 June in the first year of the rate period, the model will forecast loads differently, based
18 on historical time trends from Step 1, than it would if the forecast were for June of the
19 second year of the rate period. The time trend variable triggers the model to incorporate
20 into the forecast the amount of load increase that is not attributable to temperature or
21 calendar month.

1 After the inputs are included in the model, the model produces a forecast of the
2 maximum hourly load at each POD for each month of the rate period.

4 **Step 3: Adjustment of Maximum Hourly Load at the PODs**

5 Because the maximum hourly load at each POD may not occur on the hour of the
6 month in which the sum of the customer's load at all of its PODs is highest, BPA
7 adjusts the forecast of the maximum hourly load at each POD by a coincident factor
8 for each month. The coincident factor for each month for each POD is the average of
9 the ratios of the historical POD load on the hour of the customer's monthly peak load
10 to the historical POD load on the hour of that POD's peak load during the same month,
11 for the same years used for the regression analysis (typically 1999 to 2014). BPA
12 multiplies the forecast of the maximum hourly load for the month at the POD by its
13 coincident factor to determine the forecast POD load on the hour of the customer's
14 peak load for the month.

16 **Step 4: Determination of Customer's POD Load Forecast**

17 BPA adds the adjusted POD load forecasts to determine the customer's highest hourly
18 load for that month. The POD load forecast is used for the Network segment cost
19 allocation.

21 **2.2.1.2 Determination of Customer's Coincident Peak POD Load Forecast**

22 BPA forecasts the customer's coincident peak load on the hour of the monthly BPA
23 transmission system peak to calculate the rate and to develop the sales forecasts to

1 forecast revenue at the current and proposed NT rate. BPA develops the coincident
2 peak forecast using the same methodology used for the non-coincident peak POD load
3 forecast described above in steps 1 and 2 of section 2.2.1.1 (BPA does not use steps 3
4 and 4). Next, BPA adjusts the maximum hourly load forecast for the POD to reflect
5 the load on the hour of BPA's monthly transmission system peak. (The billing factor
6 for the NT-16 rate is the customer's load on the hour of BPA's monthly transmission
7 system peak.) These sales forecasts are shown in Table 4, lines 15-18, 33-36,
8 and 48-51. The forecast of revenue at current rates is shown in Table 12.

9 10 **2.2.1.3 NT Sales Forecast**

11 As noted above, the study develops a non-coincident peak NT load forecast for cost
12 allocation and a coincident peak NT load forecast to calculate the NT rate for the NT
13 sales forecast used in the revenue forecast. *See* Table 4 (the non-coincident peak NT
14 load forecasts developed in section 2.2.1.1 for FY 2016 and 2017 and the average over
15 the rate period is shown in lines 16, 34, and 49; the coincident peak load forecasts
16 developed in section 2.2.1.2 for FY 2016 and 2017 and the average over the rate period
17 are shown in lines 12, 30, and 45).

18
19 For the Network segment cost allocation (described further in section 4), BPA reduces
20 the monthly non-coincident peak load forecasts to reflect the impact, in megawatts, of
21 the NT Short Distance Discount (SDD). The SDD applies to a customer's Network
22 Resources that are designated for at least 12 months and that use FCRTS facilities for
23 less than 75 circuit miles for delivery to Network Load. BPA forecasts a reduction in

1 sales due to the SDD by multiplying the average generation of the designated network
2 resource during heavy load hours (HLH) by the SDD formula of $40\% \times (75 -$
3 distance) / 75. See Table 4 (forecast NT SDD during the rate period is shown in lines 11
4 and 30).

5
6 For the revenue forecast and to calculate the NT rate (discussed further in section 4),
7 BPA reduces the monthly coincident peak load forecasts to reflect the impact, in
8 megawatts, of the NT SDD. See Table 4 (forecasts developed in section 2.2.1.2 for
9 FY 2016 and 2017 and the average over the rate period, including a reduction for the NT
10 SDD, are shown in lines 13, 31, and 46). BPA uses the average of the monthly
11 coincident peak load forecasts, including a reduction for the NT SDD, for each fiscal
12 year.

13
14 To calculate the NT SCD and GSR Ancillary Services rates (discussed further in
15 section 6), the study uses the average of the monthly coincident peak load forecasts,
16 not including a reduction for the NT SDD.

17 18 **2.2.2 Sales Forecast for PTP Transmission Service on the Network**

19 PTP transmission service provides for the transmission of energy on a firm or non-firm
20 basis from specific point(s) of receipt to specific point(s) of delivery under Part II of
21 BPA's OATT. PTP service may be long-term (one year or longer) or short-term (hourly,
22 daily, weekly, or monthly service). BPA separately forecasts sales of long-term and
23 short-term PTP transmission service on the Network.

1 **2.2.2.1 Long-Term PTP Transmission Service Sales Forecast**

2 The study includes forecasts of both existing sales and expected additional sales of
3 long-term PTP service on the Network during the rate period. The forecast of existing
4 long-term PTP sales is based on:

- 5 (a) current long-term reserved capacities effective through the FY 2016–2017 rate
6 period. This forecast includes all confirmed reservations for service during the
7 rate period, including confirmed reservations for Conditional Firm Service; and
- 8 (b) current long-term firm reserved capacities with start dates that have been
9 deferred pursuant to OATT section 17.7 (extensions for commencement of
10 service), which reduce the sales forecast for the period of the deferral.

11 The forecast of expected additional long-term PTP sales on the Network is based on:

- 12 (a) long-term sales that have not yet been requested, but are expected to be
13 requested and begin during the rate period, including renewals of service under
14 OATT section 2.2 (associated with existing agreements);
- 15 (b) Network Open Season reservations that are expected to be confirmed during the
16 rate period (that is, service BPA expects to offer as a result of new or additional
17 infrastructure BPA plans to place into service during the rate period);
- 18 (c) current requests for long-term PTP service for which BPA expects to offer
19 Conditional Firm Service during the rate period;
- 20 (d) long-term PTP sales to customers whose existing IR or FPT agreements are
21 expiring during the rate period and that are expected to convert their
22 transmission to PTP service on the Network; and

23

1 (e) expected OATT section 17.7 customer deferrals (extensions for commencement
2 of service), which reduce the sales forecast for the period of the deferral.

3
4 In forecasting expected additional long-term PTP sales on the Network, BPA also
5 considers a variety of other sources of information. BPA examines requests in the
6 queue. BPA consults with customers, account executives, and others with knowledge
7 about long-term PTP requests concerning expected service demand, start date, length of
8 the service, and whether the customer is expected to accept the offer. BPA also
9 considers the potential for additional sales as a result of new or changed business
10 practices that are expected to be in effect during the rate period. The forecast reflects the
11 most likely scenario based on this information. If there is a great deal of uncertainty in
12 the information gathered through this process, BPA looks at historical sales to the
13 customer to determine whether the additional sales should be included in the forecast.

14
15 Table 4 also includes adjusted forecasts that are developed in the study to reflect the
16 impact of the SDD in the PTP rate schedules. The PTP SDD applies to the contract
17 demand for any long-term reservation using less than 75 circuit miles of BPA
18 transmission. The adjusted forecasts are developed by multiplying the reserved capacity
19 for each reservation or request to which the SDD applies by the distance-based
20 percentage: $40\% \times (75 - \text{distance}) / 75$. This adjustment is made to both existing and
21 expected sales to which the SDD applies.

1 The study calculates the average of the monthly sales forecasts, including the reduction
2 for the SDD, over the rate period and for each fiscal year. The average of the monthly
3 sales forecasts for each fiscal year, including the reduction for the SDD, is used to
4 establish the revenue forecast from long-term PTP sales. The average of the sales
5 forecasts over the rate period, not including the reduction for the SDD, is used for the
6 Network segment cost allocation, discussed in section 4.

7
8 The study uses the average PTP sales forecast for each fiscal year, not including the
9 reduction for the SDD, to calculate an average for the rate period, which is used to
10 establish the sales forecast for SCD and GSR services (described further in section 2.4).

11 *See* Table 4.

12 13 **2.2.2.2 Short-Term PTP Network Sales Forecast**

14 Short-term PTP sales are firm or non-firm sales of less than one year, including
15 monthly, weekly, daily, and hourly sales. Because short-term PTP service is not
16 reserved far in advance, there are no existing reserved capacities on which to base the
17 sales forecast. Therefore, the forecast of short-term PTP sales expected to occur
18 during the rate period is based on historical short-term sales data and key market
19 indicators—streamflow and market price spread—and seasonality (the calendar month
20 of the short-term sale). Streamflow on the Columbia River and market price spread
21 (the differences between prices in the Pacific Northwest and California) are key
22 market indicators, because as they increase, short-term sales tend to increase. The

1 analysis also accounts for seasonality, because sales tend to be higher in certain
2 months, even holding the market indicators constant.

3
4 BPA develops the forecast of short-term PTP sales in three steps. First, BPA performs
5 a regression analysis of historical data to identify the relationships between sales,
6 market indicators, and seasonality (that is, how sales change given changes in
7 streamflow, price spread, and seasonality). Second, BPA identifies the sets of data
8 (streamflow, future market price spread, and seasonality) to be used as inputs to the
9 short-term sales forecasting model. The forecasting model is based on the regression
10 analysis performed in the first step. Third, BPA develops the forecast of short-term
11 sales.

12
13 This method develops a forecast that reflects (1) historical relationships between sales
14 and market indicators and (2) expected market conditions over the rate period. The
15 model assumes that historical relationships between sales and streamflow, price
16 spread, and seasonality represent future relationships. Streamflow and price spread
17 data are input to the model to predict future conditions, and with those inputs and
18 adjustments for variability, the historical correlation is projected into the future to
19 produce a sales forecast.

20
21
22
23

1 **Step 1: Regression Analysis of Historical Data**

2 First, BPA performs a regression analysis, using R[®] computer software
3 (www.r-project.org), to determine the statistical relationship between historical
4 short-term PTP sales and market indicators (streamflow, price spread, and seasonality).
5 R[®] is an open source (that is, free) software program used for statistical analysis that
6 supports the development of risk models. BPA performs one regression analysis for
7 BPA Power Services' short-term PTP reservations and another analysis for all other
8 customers' short-term PTP reservations.

9
10 For short-term PTP sales to customers other than BPA Power Services, BPA performs
11 the regression analysis on historical short-term PTP sales against streamflow, price
12 spread, and seasonality. For these customers, there is a significant statistical
13 relationship between sales and streamflow, price spread, and seasonality. These
14 customers are more likely to sell power (and purchase short-term transmission to do
15 so) when streamflow conditions are high, when pricing conditions provide incentives
16 to market power, and in certain months (particularly May through July). They are less
17 likely to sell power and purchase short-term transmission when the price spread is too
18 low to allow them to produce a profit and recover the cost of the additional
19 transmission purchases, when streamflow at The Dalles is low, or in the fall and winter
20 months. The analysis uses historical data from October 2006 through April 2014 for
21 all sets of data—sales, streamflow, price spread, and seasonality.

1 To determine streamflow, BPA uses historical regulated streamflow at The Dalles,
2 obtained from the U.S. Geological Survey (USGS), because it is an indicator of the
3 amount of power that will be generated and sold using short-term PTP service. In
4 general, higher historical streamflows correlate with higher sales of short-term PTP
5 service.

6
7 BPA calculates the price spread using historical day-ahead power prices at North-of-
8 Path 15 (NP-15, a trading point in Northern California) and at Mid-Columbia (Mid-C,
9 a trading point in the Pacific Northwest) obtained from Intercontinental Exchange
10 (ICE, an operator of over-the-counter electricity markets). The Mid-C prices are
11 subtracted from the NP-15 prices. This is referred to as the NP-15 minus Mid-C price
12 spread. The price spread provides a representation of the difference in power prices
13 between Northern California (represented by the NP-15 prices) and the Pacific
14 Northwest (represented by the Mid-C prices). In general, a price spread provides
15 incentive for customers in the location with lower prices to sell power (and purchase
16 short-term transmission with which to deliver it) to the location with higher prices.
17 For example, a positive price spread indicates that prices in Northern California are
18 higher than those in the Pacific Northwest, and provides incentive for customers in the
19 Pacific Northwest to sell power to California, and to purchase short-term transmission
20 with which to deliver it. Thus, price spread is a driver of short-term transmission
21 sales.

1 Finally, to determine seasonality, BPA uses the calendar month in the regression
2 because even if streamflow and price spreads remain constant from month to month,
3 sales in certain months are higher than sales in other months. In general, sales in May
4 through July are higher than sales in all other months, and sales in October are lower
5 than sales in all other months.

6
7 For sales of short-term PTP service to BPA's Power Services, the regression analysis
8 is performed on historical short-term PTP sales against streamflow only, because as
9 streamflow increases, short-term sales to Power Services tend to increase, while price
10 spread and seasonality do not tend to influence short-term sales to Power Services.

11 This is because Power Services is obligated to dispose of the power generated on the
12 Federal Columbia River Power System (FCRPS), regardless of the price.

13
14 **Step 2: Data to be used as Inputs to the Short-Term Sales Forecasting Model**

15 As the second step in developing the forecast, streamflow, price spread, and
16 seasonality data are used as inputs to forecast short-term sales. These inputs represent
17 expected future market conditions. For the input for streamflow conditions, the model
18 uses average streamflow at The Dalles from 1950 through 2003. This dataset has
19 streamflow data for each month in each of those years. It is a large enough sample
20 size to account for short-term variations in the data, and it provides a reasonable
21 potential range of streamflow scenarios in the rate period.

1 As the input for price spread conditions, Mid-C and NP-15 prices obtained from the
2 AURORAxmp[®] model are used to represent expected power prices during the rate
3 period. The AURORAxmp[®] model is described in the Power Risk and Market Price
4 Study, BP-16-FS-BPA-04, section 2. The Mid-C forecast price is subtracted from the
5 NP-15 forecast price to obtain the price spread input to the forecasting model to
6 predict future sales. This methodology is consistent with the use of the historical
7 NP-15 minus Mid-C price spread used in the regression analysis.

8
9 To account for seasonality, the model incorporates dummy variables (a multiplier that
10 represents seasonal short-term reservation behavior, controlling for the effects of
11 streamflow and price spread) to capture the monthly trends of short-term sales
12 observed in the first step. Because sales are generally highest in May through July, the
13 monthly dummy variables in those months are higher than they are the rest of the year.

14
15 These streamflow, price spread, and seasonality data are used as inputs to the
16 regression model to produce a short-term sales forecast. Streamflow is used as the
17 input for forecasting short-term sales to Power Services, and streamflow, price spread,
18 and seasonality are used as the inputs for forecasting short-term sales to all other
19 customers. This method is consistent with how the historical correlations are
20 identified, as discussed in step 1.

21
22 The way the model uses the inputs is described further in step 3 below.

23

1 **Step 3: Development of the Forecast of Short-Term PTP Sales**

2 BPA assumes that historical statistical relationships between sales, streamflow, price
3 spread, and seasonality represent future statistical relationships. To forecast short-term
4 sales to Power Services, historical streamflow is input to the model as a prediction of
5 future conditions, and the regression model estimates future sales to produce a sales
6 forecast. To forecast short-term sales to all other customers, historical streamflow and
7 forecast price spread are input to the model as predictions of future conditions. In both
8 cases, the sales forecasts are modeled to include variability, as discussed below.

9 Short-term sales are variable because they do not require long-term commitments and
10 instead are purchased on an hourly, daily, weekly, or monthly (less than 12 months)
11 basis. Short-term sales forecasts are also subject to uncertainty due to variability in
12 streamflow and price spread.

13
14 To account for the impact of variability in short-term sales, BPA incorporates
15 uncertainty around the streamflow, price spread, and other parameters using a
16 Microsoft Excel add-in, @RISK[®], Professional version 6.1.1 (© Palisade
17 Corporation). @RISK uses a Monte Carlo-based simulation (a method that uses
18 repeated simulations, called games, to determine a range of possible outcomes) to run
19 5,000 short-term sales forecasting games and generate the distribution of the outcomes
20 of those games around a mean. In running these games, two sources of uncertainty are
21 modeled, both of which affect the short-term sales forecast: (1) uncertainty in the
22 statistical relationships (that is, the risk of error in the regressions); and (2) uncertainty

1 of input data (streamflow and price spread variability). The final short-term sales
2 forecast is the average of the outcomes (sales forecasts) of all the games.

3
4 The variability in the statistical relationships (regression error) is the risk that the
5 regression models provide an imperfect prediction of short-term reservation behavior
6 based on short-term sales and the market indicators. Comparing the actual short-term
7 reservations from the historical dataset and the regression predictions from the same
8 time period indicates the possible magnitude of error. Regression error is modeled to
9 reflect the fact that the regressions cannot accurately predict sales 100 percent of the
10 time. The impact of this variability on the forecast of short-term sales to BPA Power
11 Services is modeled separately from the modeling for other customers, consistent with
12 the analysis outlined above.

13
14 To estimate the variability around the correlation between short-term sales to Power
15 Services and streamflow, the model is applied to predict what the short-term sales
16 forecast for Power Services would have been for October 2006 through April 2014,
17 based on streamflow data at The Dalles for that time period. The model's prediction is
18 then compared to actual short-term sales to Power Services for the same time period.
19 The difference between predicted sales and actual sales indicates the possible
20 magnitude of variability between the sales forecast and actual short-term sales. The
21 difference (the standard error of the regression) is input into the model as an indicator
22 of the range of possible error in the correlation between short-term sales and

1 streamflow. This allows the model to generate a range of possible outcomes to
2 account for possible error in the regression.
3
4 BPA also models the impact of variation in the forecast market indicators that are used
5 to develop the sales forecast. BPA models variability in streamflow using the 1950–
6 2003 streamflow dataset for the Columbia River at The Dalles. For each Monte Carlo
7 game and for each year of the rate period, @Risk[®] randomly chooses one year of
8 streamflow data from the overall set of data and uses the data from each month of that
9 year to simulate the streamflows in each month of the simulated rate period year.
10
11 To determine the variability for price spread used in @Risk[®], BPA uses
12 AURORAxmp[®] prices for Mid-C and NP-15 to represent expected power prices
13 during the rate period. The model creates variability around the AURORAxmp[®]
14 prices by inputting factors that affect power prices, such as natural gas prices,
15 Columbia River streamflows, and ambient temperatures in the BPA load area. By
16 running games that randomly sample natural gas, streamflow, and temperature data
17 and applying that data to the historical relationships between these factors and power
18 prices, the model produces power prices at Mid-C and NP-15 for each month, which
19 are adjusted for natural gas price, streamflow, and seasonal variation. These power
20 prices are then used to create the NP-15 minus Mid-C price spread that is used as the
21 price spread input to the model.
22
23

1 As noted above, the market indicators and sources of variability are input into the
2 @RISK[®] model, which uses a Monte Carlo-based simulation to run 5,000 games and
3 generate a distribution of the outcomes of the games around a mean. The outcome of
4 each game is a forecast for short-term sales for each month of each year of the rate
5 period, given the assumed market conditions and variability. The resulting forecast of
6 short-term sales for each month of the rate period is the mean, or average, of the
7 5,000 games. The model produces two forecasts: total short-term PTP sales to Power
8 Services per month of the year and total short-term PTP sales to customers other than
9 Power Services per month of the year.

10 BPA then allocates the total short-term sales forecast (for sales to Power Services and
11 to all customers other than Power Services) for each month of the year across the
12 different short-term services (monthly, weekly, daily, and hourly service), resulting in
13 a forecast for sales under the Hourly, Block 1, and Block 2 rates for each month of the
14 rate period. This allocation is made by applying the historical distribution of short-
15 term sales across the three rates, using data from October 2006 through April 2014
16 (the same data used to forecast total short-term sales). The allocations to each rate are
17 then summed to determine overall short-term PTP sales forecasts for each month under
18 each rate. The forecast of short-term PTP sales is shown in Table 5.

19 The fiscal year averages of the sales forecasts for each rate are used to forecast
20 revenues. One further adjustment is made to the sales forecasts for rate development
21 purposes, as described in section 4. The average sales forecast (including the sales for

1 all three rates) over the rate period, including this adjustment, is used for the Network
2 segment cost allocation and in the sales forecast for SCD and GSR.

4 **2.2.3 Sales Forecast for IR Transmission Service**

5 Integration of Resources contracts are transmission service agreements under which
6 customers integrate multiple resources and transmit non-Federal power over BPA's
7 Network and Delivery facilities to multiple points of delivery on the customer's system.
8 With BPA's agreement, firm transmission deliveries may be made to other points on
9 BPA's Network, such as to an intertie. Customers may schedule non-firm transmission
10 under IR contracts from alternate points of integration or to alternate points of delivery,
11 such as to the Southern Intertie, at the IR rate up to the contractually specified total
12 transmission demands, subject to the availability of transmission capacity. The
13 transmission demand associated with IR contracts is not transferable to third parties.

14
15 The sales forecast of IR service is the sum of the contract demands in each IR contract.
16 For IR agreements that expire during the rate period, the forecast includes only the
17 revenues associated with the agreements while they are in effect. During the rate period,
18 BPA anticipates consistent IR sales of 266 MW. *See* Table 4. Before the rate period, IR
19 agreements totaling 967 MW will expire. BPA expects all of the expiring IR agreements
20 to convert to OATT service on the Network. BPA includes expected conversions in the
21 sales forecasts for OATT service on the Network by increasing the PTP sales forecast by
22 the number of megawatts expected to convert to OATT service.

23

1 The sales forecast is shown in Table 4. The fiscal year averages of the sales forecasts
2 are used to forecast revenues. The average over the rate period is used for the Network
3 segment cost allocation and in the sales forecast for SCD.

5 **2.2.4 Sales Forecast for FPT Service**

6 Formula Power Transmission contracts are transmission service agreements that provide
7 firm transmission of non-Federal power on the Network for both full-year and partial-
8 year service. The forecast of sales of FPT service is the sum of the contract demands in
9 each FPT contract. For FPT agreements that expire during the rate period, the forecast
10 includes only the sales associated with the agreements while they are in effect. During
11 the rate period, FPT agreements totaling 33 MW will expire. This figure, is shown in the
12 reduction in the FPT sales forecasts for FY 2017 in Table 4, line 22. BPA expects the
13 agreements that are expiring to convert to OATT service on the Network. BPA includes
14 expected conversions in the sales forecasts for OATT service on the Network by
15 increasing the PTP sales forecast by the number of megawatts expected to convert to
16 OATT service. The adjustment for each contract is made beginning with the month that
17 the FPT contract expires. The fiscal year averages of the sales forecasts are used to
18 forecast revenues. The sales forecast for FPT is not used for the Network segment cost
19 allocation or in the sales forecast for SCD and GSR, as described in sections 2.4 and 4.1.

1 **2.3 Sales Forecasts for Transmission Service on BPA’s Interties**

2 BPA segments the facilities comprising its external interconnections with California/
3 Nevada (Southern Intertie) and Montana (Eastern Intertie) separately from its Network
4 facilities.

5
6 **2.3.1 Sales Forecast for IS Transmission Service**

7 BPA offers PTP transmission service on the Southern Intertie. BPA separately forecasts
8 sales of long-term and short-term transmission service on the Southern Intertie.

9
10 **2.3.1.1 Sales Forecast for Long-Term IS Transmission Service**

11 Forecasts of long-term IS sales include existing and expected long-term sales. The
12 forecast of existing long-term sales is based on:

- 13 (a) current confirmed long-term reserved capacities effective through the FY 2016–
14 2017 rate period; and
- 15 (b) confirmed OATT 17.7 customer deferrals (extensions for commencement of
16 service), which reduce the Intertie sales forecast for the duration of the deferral.

17
18 Long-term capacity on the Southern Intertie is fully subscribed, meaning that BPA
19 cannot make additional sales unless existing agreements terminate or are not renewed, or
20 until reliability upgrades on the Pacific DC Intertie increase transfer capability. As a
21 result, the forecast of additional expected long-term IS sales is based on:

- 1 (a) long-term sales that have been requested, such as OATT section 2.2 renewals
- 2 (associated with existing agreements) and sales that BPA expects to make if an
- 3 existing agreement is not renewed;
- 4 (b) expected OATT section 17.7 deferrals during FY 2016–2017 (extensions for
- 5 commencement of service), which reduce the long-term IS sales forecast for the
- 6 duration of the deferral; and
- 7 (c) expected additional long-term sales after December 2016 as a result of a
- 8 reliability upgrade on the Pacific DC Intertie.

9

10 In developing the long-term IS sales forecasts, BPA examines requests in the queue that

11 are seeking service. BPA also consults with customers, account executives, and other

12 subject matter experts about expected long-term IS requests that could be offered

13 service. BPA receives information on expected service demand, start date, and length of

14 the service, and whether the customer is expected to accept the offer. The forecast

15 reflects the most likely scenario based on this information. If there is a great deal of

16 uncertainty in the information gathered through this process, BPA also reviews historical

17 sales to the customer to determine whether to include the additional sales in the forecast.

18

19 Table 4 includes the forecasts of confirmed IS sales and expected additional sales for

20 each month of the rate period. Table 4 also shows the total forecast of long-term IS sales

21 (the sum of existing sales and expected additional sales), the fiscal year averages, and

22 the averages for the entire rate period. The fiscal year averages are used to forecast

1 revenues, and the average forecast over the rate period is used in the sales forecast for
2 SCD and GSR.

3 4 **2.3.1.2 Sales Forecast for Short-Term IS Transmission Service**

5 Short-term IS sales are firm or non-firm sales of less than one year and include
6 monthly, weekly, daily, and hourly sales. Because short-term IS service is not
7 reserved far in advance, there are no existing contract demands for this service on
8 which to base the sales forecast. Therefore, the forecast of short-term IS sales
9 expected to occur during the rate period is based on historical short-term sales data and
10 the same market indicators as are used to forecast short-term PTP sales: streamflow,
11 price spread, and seasonality.

12
13 The forecast of short-term IS sales is developed using the same two-step process that is
14 used to develop the forecast of short-term PTP sales, with three primary differences.

15 First, the regression used for short-term IS sales compares historical short-term IS
16 sales to the historical streamflow, price spread, and seasonality data, rather than using
17 historical short-term PTP sales data. Second, short-term IS sales to BPA's Power
18 Services and all other customers are modeled with historical streamflow, price spread,
19 and seasonality in the same regression analysis and forecasting model, because there is
20 a correlation between streamflow, price spread, and seasonality and short-term IS
21 sales. Similarly, the analysis used for forecasting hourly sales and sales under the
22 Block 1 and Block 2 rates to customers other than Power Services in the short-term

1 PTP model is the same analysis used for all customers (Power Services and other
2 customers) in the short-term IS model.

3
4 In all other respects, the process for developing the short-term IS sales forecast is the
5 same as the process for developing the short-term PTP sales forecast, as described in
6 section 2.2.2.2. The forecast of short-term IS sales is shown in Table 5. The fiscal
7 year averages of the sales forecasts for each rate are used to forecast revenues. One
8 further adjustment is made to the sales forecasts for rate development purposes, as
9 described in section 4. The average sales forecast (including the sales for all three
10 rates) over the rate period, including this adjustment, is used in the sales forecast for
11 SCD and GSR.

12 13 **2.3.2 Sales Forecast for IM Transmission Service**

14 BPA offers PTP service over its capacity on the Eastern Intertie. The Montana Intertie
15 Agreement between BPA, Avista Corp., NorthWestern Energy, PacifiCorp, Portland
16 General Electric Company, and Puget Sound Energy, Inc. identifies the facilities that
17 constitute the Eastern Intertie (the Townsend-to-Garrison facilities). It also establishes
18 BPA's share of capacity on the Eastern Intertie as any capacity on the line in either
19 direction that is not allocated under the agreement to another party. BPA offers its
20 capacity for sale under the IM rate.

21
22 The forecast of IM rate sales is based on contract demand. The IM sales forecast during
23 the FY 2016–2017 rate period totals 16 MW of existing long-term sales in each year of

1 the rate period. BPA does not forecast any additional long-term IM sales. Historically,
2 BPA has made very few sales of short-term service on the Montana Intertie and does not
3 expect any short-term sales on the Montana Intertie during the rate period. As a result,
4 the sales forecast for short-term IM service is zero.

5
6 The sales forecast for IM service is shown in Table 4. The fiscal year average sales
7 forecasts are used to forecast revenues, and the average forecast over the rate period is
8 used in the sales forecast for SCD and GSR.

9 10 **2.4 Sales Forecasts for Ancillary Services: SCD and GSR**

11 BPA provides the Ancillary Services described in section 3 of its OATT. The two
12 ancillary services customers are required to purchase from BPA are (1) Scheduling,
13 System Control, and Dispatch Service, and (2) Reactive Supply and Voltage Control
14 from Generation Sources Service. The sales forecasts for these Ancillary Services are
15 discussed below.

16
17 SCD service is necessary for the provision of basic transmission service within BPA's
18 balancing authority area (the area in which the responsible entity, or balancing authority,
19 must maintain a balance between generation and load (consumption)). System control
20 and communications equipment and dispatch of generating resources and transmission
21 facilities maintain generation and load balance and physical and electronic security
22 requirements for North American Electric Reliability Corporation critical infrastructure
23 facilities, and preserve system reliability for all transactions. SCD service can be

1 provided only by the operator of the balancing authority area in which the transmission
2 facilities used are located, since the service is used to schedule the movement of power
3 through, out of, within, or into the balancing authority area.

4
5 GSR Service also is necessary for the provision of basic transmission service within
6 BPA's balancing authority area. GSR is the provision of reactive power and voltage
7 control by generating facilities under the control of BPA as the operator of the balancing
8 authority area. The GSR rate is set on a quarterly basis according to a formula in the
9 GSR rate schedule.

10
11 Because all transmission customers taking service within BPA's balancing authority area
12 must purchase SCD and GSR, the sales forecast for both services is the sum of the sales
13 forecasts of the transmission services within BPA's balancing authority area (for NT
14 customers, BPA uses the coincident peak load forecast), with one exception. The FPT
15 sales forecast is not included in the SCD and GSR sales forecast because the FPT rate
16 includes the costs of the SCD and GSR services associated with FPT service. Therefore,
17 the FPT revenues that recover SCD and GSR costs are removed from the SCD and GSR
18 revenue requirement before rates are calculated.

19
20 The short-distance discount associated with NT and PTP service does not apply to SCD
21 and GSR sales. Therefore, the sales forecast for SCD and GSR is not adjusted to reflect
22 the SDD. The sales forecast used for developing the SCD rate is shown in Table 10.1.
23 The same sales forecast is included in the formula in the GSR rate schedule.

1 See Transmission, Ancillary, and Control Area Service Rate Schedules, BP-16-A-02-
2 AP03, ACS-16, at § II.B.

3
4 For purposes of developing revenue forecasts, BPA does not separately forecast sales for
5 SCD and GSR. Instead, the SCD and GSR rates are applied to the sales forecast for
6 long-term and short-term PTP, IS, and IM service and to the coincident peak load
7 forecast for NT service. The IR rate developed in this study incorporates the SCD and
8 GSR rates developed here. Therefore, BPA does not separately forecast SCD or GSR
9 revenue associated with IR service. IR revenue includes the revenue from those
10 services. See Table 12.

11 12 **2.5 Sales Forecast for Utility Delivery Service**

13 Utility Delivery service applies to utility customers that take delivery of power over
14 the Utility Delivery segment. See Transmission Segmentation Study and
15 Documentation, BP-16-FS-BPA-06, at § 2.5. Sales forecasts of Utility Delivery
16 service are based on load forecasts, because the charges for the transmission service
17 are based on the customers' loads. BPA forecasts sales for Utility Delivery service
18 using coincident peak POD load forecasts, which are used to develop the rate. The
19 POD load forecast for Utility Delivery service is developed in the same manner as is
20 described in section 2.2.1.1 for the load forecasts for NT service, except that BPA
21 separately calculates the POD load forecast for Utility Delivery customers that take NT
22 service and for the single Utility Delivery customer that takes PTP service. BPA uses
23 the average of the total monthly Utility Delivery POD load forecasts to calculate the

1 Utility Delivery rate, which is discussed in greater detail in section 7.6.1. The annual
2 sales forecasts are shown in Table 9. For the Utility Delivery revenue forecast, the
3 Utility Delivery customers' monthly POD load forecast is multiplied by the proposed
4 Utility Delivery rate for each month in the rate period.

6 **2.6 Revenue Forecasts**

7 The transmission revenue forecasts determine the expected levels of revenue from
8 transmission and ancillary services rates and other sources for the rate period, as
9 indicated in Table 12. As discussed above, this study forecasts revenues at current rates
10 and at proposed rates to perform the current revenue test and the revised revenue test.

11 The forecast of revenue at current rates applies the transmission and ancillary services
12 rates placed into effect on October 1, 2013, to the sales forecasts. The forecast of
13 revenue at proposed rates applies the Initial Proposal rates to the sales forecasts. The
14 forecasts are used to test whether the current and proposed rates are sufficient to recover
15 the transmission revenue requirement. The Transmission Revenue Requirement Study
16 further describes the revenue tests.

17
18 Both revenue forecasts include revenue credits. Section 3 of this study discusses
19 revenue credits in detail. In general, revenue credits are revenues from sources other
20 than the transmission rates determined in this rate proceeding. The study includes
21 revenue credits in the revenue forecasts to ensure that the revenue tests performed in the
22 Transmission Revenue Requirement Study incorporate all sources of transmission-

1 related revenue. Table 12 includes all of the revenue credits applied in the revenue
2 forecast.

3 4 **2.6.1 Forecast of Non-Cash Revenues: Transmission Credits and Interest** 5 **Expense Associated with Customer-Financed Projects**

6 A portion of the revenues that BPA forecasts is non-cash revenues due to credits that
7 customers receive against their transmission service charges. (BPA provides these
8 credits in two general circumstances, described below.) The credits (non-cash
9 revenues) are forecast as part of this study and are included in the revenue forecasts
10 discussed above because the transmission services to which they apply are included in
11 the sales forecasts. However, because BPA does not receive the revenue in the form of
12 cash, the credit (and the related interest expense, described below) has a different
13 impact on BPA's revenue requirements and cost recovery than cash revenue.

14 *See* Transmission Revenue Requirement Study, BP-16-FS-BPA-08, at § 2.3.5.

15
16 BPA forecasts transmission credits and related interest expense associated with
17 generator interconnection agreements and the California-Oregon Intertie (COI) upgrade
18 project. Under the generator interconnection agreements, interconnection customers
19 advance fund Network Upgrades (upgrades to the transmission system at or beyond the
20 point at which the interconnection facilities connect to the transmission system) if BPA,
21 as the transmission provider, does not provide the funding. The advance funds are then
22 returned to the customers, with interest, either as credits to the customers' transmission
23 bills or as monthly cash payments. The credits are applied to transmission service used
24 to transmit power from the generating facility. The cash payments are designed to

1 approximate the comparable credits and are based on the generating facility's capacity
2 and its plant capacity factor. The customer chooses whether to receive credits or cash
3 payments.

4
5 BPA also provides transmission credits for customer financing for the COI upgrade.
6 The upgrade will increase the availability of the COI and the Pacific DC Intertie
7 (PDCI) so that BPA is able to provide long-term firm transmission service up to the full
8 rating of the COI and PDCI. The forecasts of transmission credits and related interest
9 expense include transmission credits related to the COI upgrade and generator
10 interconnection agreements.

11
12 The forecasts of transmission credits and related interest expense at current rates and at
13 proposed rates are provided in Tables 16.1 and 16.2.

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1 **3. REVENUE CREDITS AND ADJUSTMENTS TO THE**
2 **SEGMENTED REVENUE REQUIREMENTS**

3
4 Revenue credits and adjustments reflect known costs and revenues that are not
5 accounted for in the Transmission Revenue Requirement Study. To develop the revenue
6 requirements for use in calculating rates, this study allocates the revenue credits among
7 the various segments and then applies these credits and other adjustments to the
8 segmented revenue requirements determined in the Transmission Revenue Requirement
9 Study. It then calculates the net segmented revenue requirements after these credits and
10 adjustments.

11
12 **3.1 Revenue Credits**

13 Revenue credits are transmission revenues from sources other than the general
14 transmission rates developed in the rate proceeding. Revenue credits include revenue
15 from items such as fixed-price contracts, contracts that specify the rates for services,
16 use-of-facilities contracts, and fixed-price fees. The study forecasts revenue credits
17 based on existing contract charges or rates, expectations of additional sales at such
18 charges or rates, and receipt of fixed-price fees.

19
20 The revenue credits for fixed-price contracts and fees relate to items such as fiber and
21 wireless leases (in which BPA leases communications capacity that exceeds BPA's
22 operational needs), land leases, reservation and application fees, direct funding of
23 projects and facilities, and O&M charges. The use-of-facilities contracts include
24 agreements such as those governing DSI delivery contracts, under which parties pay for
25 the rights to use specified BPA facilities.

1 The segmented revenue requirements are initially set without regard to these additional
2 revenues. The study allocates revenue credits to particular segments, which reduces the
3 segmented revenue requirements and ensures that the study accounts for all sources of
4 revenue in determining the net segmented revenue requirements used to calculate rates.
5 If the study did not account for the revenue represented by the revenue credits, the rates
6 would be higher than needed to recover costs. The allocation and application of the
7 revenue credits described in this section are separate and distinct from the inclusion of
8 the revenue credits in the revenue forecasts discussed in section 2.

9
10 The study allocates revenue credits associated with a particular transmission segment
11 entirely to that segment. For example, revenues related to the O&M charges for
12 customers using facilities on the Southern Intertie are allocated entirely to the Southern
13 Intertie. If revenue credits are not associated with a particular segment, the revenues are
14 allocated across all segments based on the ratio of net plant investment in each segment
15 to total plant investment. For example, the study allocates revenues from fiber and
16 wireless leases to all segments based on the net plant investment in each segment.
17 Table 2 identifies all of the expected revenue credits from various sources and the
18 allocation of the credits by segment.

20 **3.2 Adjustments to the Segmented Revenue Requirements**

21 The study includes certain adjustments to the segmented revenue requirements. These
22 adjustments are not categorized as revenue credits because they do not account for
23 additional revenues. In general, the adjustments allocate (1) individual segment
24 revenues in excess of costs and (2) individual segment costs in excess of revenues.
25 A segment's revenues in excess of costs represent a surplus, which is allocated to the
26 other segments as a credit, reducing the other segments' overall revenue requirements.

1 A segment's costs in excess of revenues represents a cost, which is allocated to the other
2 segments as an additional revenue requirement, increasing the other segments' revenue
3 requirements.

4 5 **3.2.1 Eastern Intertie Adjustment**

6 The Eastern Intertie segment includes the Townsend-Garrison transmission (TGT)
7 lines and a portion of the Garrison substation facilities. *See* Transmission Segmentation
8 Study and Documentation, BP-16-FS-BPA-06, at § 2.4. BPA constructed these
9 facilities under the Montana Intertie Agreement (Contract No. DE-MS79-81BP90210,
10 as amended), under which BPA provides transmission service for the Colstrip
11 generating facility in Montana. *Id.* As part of the agreement, the Colstrip Parties
12 (Avista, NorthWestern Energy, PacifiCorp, Portland General Electric, and Puget Sound
13 Energy) acquired transmission rights over a portion of the capacity of the Eastern
14 Intertie. BPA receives payments from each party for its share of the Townsend-to-
15 Garrison capacity under the TGT rate. BPA has the right to market any remaining
16 transmission capacity in either direction on the Eastern Intertie.

17
18 To determine the net segmented revenue requirement for the Eastern Intertie, the study
19 begins with the gross Eastern Intertie revenue requirement shown in Table 1, below.
20 The study then applies revenue credits and adjustments to the Eastern Intertie
21 segmented revenue requirement.

22
23 Table 2, below, shows the expected revenue credits that apply to the Eastern Intertie
24 segment. The most significant revenue credit relates to revenue from payments to BPA
25 under the Montana Intertie Agreement for rights to transmission service on the TGT
26 transmission lines. These payments are fixed by contract and total \$12.4 million

1 annually during the rate period. Since these revenues arise solely through the use of the
2 Eastern Intertie, the study applies the entire amount of this revenue credit to the Eastern
3 Intertie segment. The study also allocates to the Eastern Intertie segment the revenues
4 from sales under the IM rate, since the IM rate applies to PTP transmission service on
5 BPA's capacity share of the Eastern Intertie. Revenues from these sales are forecast to
6 total \$0.12 million annually during the rate period. *See* Table 3.

7
8 The segmented revenue requirement for the Eastern Intertie averages \$11.97 million
9 annually. *See* Table 1. After applying all of the revenue credits and the IM rate
10 revenues to the Eastern Intertie's segmented revenue requirement, the forecast revenues
11 for the Eastern Intertie segment exceed the net segmented revenue requirement on
12 average by \$.80 million annually. *See* Table 3.

13
14 The study allocates the \$.80 million in excess revenue from the Eastern Intertie segment
15 to all the other segments proportionally based on net plant investment determined in the
16 Transmission Segmentation Study. This allocation reduces the difference between the
17 Eastern Intertie segment's adjusted revenue requirement and its revenue recovery to
18 zero. *See* Table 3. The study then applies the amount of the excess revenue allocated to
19 each segment as an adjustment to reduce the revenue requirement for each segment.

20 Once the difference between the Eastern Intertie segment's adjusted revenue
21 requirement and its revenue recovery has been reduced to zero, no other revenue credits
22 or costs from other segments are allocated to the Eastern Intertie segment, since these
23 credits or costs would have to be re-allocated back to other segments.

1 **3.2.2 DSI Delivery Adjustment**

2 The DSI Delivery segment consists of low-voltage transmission facilities that provide
3 transmission service to DSI customers. Charges for service on the DSI Delivery
4 segment are established by contract and change based on a schedule incorporated in
5 those contracts. As a result, the study does not calculate a rate for delivery service on
6 DSI facilities. *See* Transmission Segmentation Study and Documentation, BP-16-FS-
7 BPA-06, at § 2.6.

8
9 However, the study does account for the revenues and costs associated with this
10 segment. The average annual segmented revenue requirement attributable to the DSI
11 Delivery segment is \$1.68 million. *See* Table 1. The revenues generated from sales
12 under the DSI delivery contracts, the Eastern Intertie adjustment, and the other revenue
13 credits allocated to this segment are forecast to average \$2.71 million annually during
14 the rate period. *See* Table 3. After applying all of the revenue credits and the DSI
15 Delivery revenues to the DSI Delivery’s segmented revenue requirement, the
16 forecast revenues for the DSI Delivery segment exceed the net segmented revenue
17 requirement an average of \$1.03 million annually. *Id.*

18
19 The study allocates the \$1.03 million in excess revenue from the DSI Delivery segment
20 to all the other segments proportionally based on net plant investment as determined in
21 the Transmission Segmentation Study. This allocation reduces the difference between
22 the Eastern Intertie segment’s adjusted revenue requirement and its revenue recovery to
23 zero. *See* Table 3. As with the Eastern Intertie adjustment, once the difference between
24 the DSI Delivery segment’s adjusted revenue requirement and its revenue recovery has
25 been reduced to zero, no other revenue credits or costs from other segments are allocated

1 to the DSI Delivery segment, since these credits or costs would have to be re-allocated
2 back to other segments.

3 4 **3.2.3 Adjustment for NT Redispatch Costs**

5 Under Attachment M to BPA's OATT, Transmission Services initiates redispatch of
6 Federal resources as part of congestion management efforts on the Network. There are
7 three types of redispatch that Transmission Services can request from Power Services to
8 relieve flowgate congestion: Discretionary Redispatch, NT Firm Redispatch, and
9 Emergency Redispatch. Transmission Services requests Discretionary Redispatch to
10 maintain all transmission schedules. Power Services provides this service at its
11 discretion based on real-time operating objectives and constraints. Transmission
12 Services requests NT Firm Redispatch to maintain firm NT schedules, and may
13 redispatch firm NT schedules only after it has curtailed all non-firm Point-to-Point and
14 secondary NT schedules in a sequence consistent with NERC curtailment priority.
15 Power Services must provide NT Firm Redispatch to the extent that it can do so without
16 violating non-power constraints. Transmission Services requests Emergency Redispatch
17 if it declares a System Emergency as defined by NERC. Power Services must provide
18 this service even if doing so may violate non-power constraints.

19
20 Power Services may respond to requests for redispatch through redispatch of Federal
21 generation, through purchases or sales of energy, or through purchases of transmission.
22 The forecast of costs for Attachment M redispatch is \$225,000 per year. *See* Fisher and
23 Fredrickson, BP-16-FS-BPA-12, Appendix A, Attachment 3, at line 20. These costs are
24 included in the segmented revenue requirement for the Network. *See* Transmission
25 Revenue Requirement Study Documentation, BP-16-FS-BPA-08A, ch. 2.

26

1 Consistent with section 33.3 of BPA's OATT, which provides that NT customers are
2 allocated the redispatch costs associated with firm service to NT load, costs associated
3 with NT Firm Redispatch are allocated to NT customers, because this type of redispatch
4 benefits only NT customers. Accordingly, the study credits the cost of NT Firm
5 Redispatch to the Network segment revenue requirement so that these costs are not
6 included in all Network rates. The costs are then included in the calculation of rates for
7 NT service. *See* Table 3, at line 31. Section 4 of this study discusses the calculation of
8 the NT rate. Costs associated with Discretionary Redispatch and Emergency Redispatch
9 are allocated to all Network segment users because Discretionary Redispatch and
10 Emergency Redispatch benefit all Network segment users.

11 Of the \$225,000 per year forecast for Attachment M redispatch, the forecast of costs for
12 NT Firm Redispatch is \$160,000 per year. This forecast is based on the historical actual
13 amounts paid by Transmission Services to Power Services in FY 2012–2013 (the most
14 recent rate period for which BPA has actual data). Calculation of the actual revenue
15 Power Services receives from Transmission Services for providing NT Firm Redispatch
16 is based on one of two sources: (1) for redispatch provided from Federal generation,
17 market prices for incrementing and decrementing Federal generation at the time the
18 redispatch is provided, or (2) for redispatch provided by purchases or sales of energy or
19 purchases of transmission, the actual cost to Power Services of the purchase or sale. The
20 forecast of costs for Discretionary Redispatch and Emergency Redispatch are based on
21 this same methodology.

22

23 Actual revenues to Power Services for providing NT Firm Redispatch to Transmission
24 Services totaled \$528,192 in FY 2012 and \$260,116 in FY 2013. Most of the NT Firm
25 Redispatch revenues for FY 2012 (\$469,765) was attributable to NT Firm Redispatch
26 events during outages taken to replace wood transmission poles on two transmission

1 lines. BPA does not expect to replace transmission poles in the FY 2016-2017 rate
2 period. Therefore, for purposes of the forecast the associated revenues to Power
3 Services are excluded from the FY 2012 actual revenues, resulting in FY 2012 revenues
4 of \$58,427. The average of the FY 2012 revenues (\$58,427) and the FY 2013 revenues
5 (\$260,116) is \$159,272 per year, which was rounded to \$160,000 per year.

6
7 In addition, BPA's OATT provides that NT customers will make their Network
8 Resources available for redispatch to avoid curtailments to NT service when there are
9 transmission constraints (this type of redispatch is referred to as non-Federal NT
10 redispatch). BPA is evaluating how to implement non-Federal NT redispatch and may
11 implement this type of redispatch during the rate period. However, no non-Federal NT
12 redispatch costs are included in this study. BPA does not have sufficient information
13 regarding the extent and location of future congestion events or the cost to redispatch
14 non-Federal resources to make a forecast for non-Federal NT Redispatch. Therefore,
15 BPA's forecast of the cost of NT Redispatch provided by non-Federal resources is based
16 on historical data. Since BPA has never redispatched non-Federal resources, BPA
17 assumes a cost of \$0 per year. Given that historically there have been very few firm
18 congestion events on the BPA system, BPA believes that a \$0 cost assumption for
19 non-Federal NT Redispatch is reasonable and does not present significant risk to BPA or
20 its customers.

21
22 For the BP-14 proceeding, BPA forecast \$80,000 of non-Federal NT Redispatch costs
23 based on anticipated program start-up costs, primarily communications equipment. BPA
24 does not anticipate similar costs during the BP-16 rate period because existing
25 communications equipment will be utilized if non-Federal NT Redispatch is
26 implemented.

1 **3.3 Allocation of Generation Integration Revenues**

2 The Generation Integration segment consists of transmission facilities that integrate
3 Federal resources into BPA's Network. The costs allocated to the Generation
4 Integration segment plus all revenue credits and adjustments averages \$12.1 million
5 annually. *See* Table 3, at line 33. These costs are assigned to BPA Power Services and
6 recovered through power rates. The payments that Power Services makes to
7 Transmission Services are a revenue credit in the transmission revenue forecast and are
8 applied to the Generation Integration segment.

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1 As explained in section 4.5, FPT service is provided under contracts that address
2 specific classifications of Network transmission facilities, and FPT rates separately
3 recover a subset of Network costs. Therefore, the study subtracts from the adjusted
4 Network segment revenue requirement \$16.06 million in forecast annual revenue
5 attributable to sales of FPT service on the Network. *See* Table 7. Subtracting the
6 forecast FPT revenues excludes the costs and revenues attributable to FPT service
7 from the costs allocated among NT, PTP, and IR service, thus ensuring that rates for
8 NT, PTP, and IR service are based only on costs and revenues properly attributable to
9 those services. The result is an annual average cost of \$636.35 million to be allocated
10 among NT, PTP, and IR service. *Id.*

11
12 The study allocates costs to PTP and IR service based on contract demand and to
13 NT service based on forecast load. The NT load forecast is based on a 12 non-
14 coincident peak (NCP) measure. *See* § 2. The study calculates an allocation
15 percentage for each service based on the ratio of the forecast for each individual
16 service to the total forecast average annual sales for all three services, 35,622 MW.
17 *See* Table 7. The allocation percentages for NT, PTP, and IR services are
18 20.81 percent, 78.45 percent, and 0.75 percent, respectively. *Id.* Multiplying the total
19 adjusted average annual Network revenue requirement of \$636.35 million by the sales
20 percentage for each service yields an allocated cost of \$132.40 million for NT service,
21 \$499.21 million for PTP service, and \$4.75 million for IR service. *Id.* The study uses
22 these allocated costs to calculate the rates for NT, PTP, and IR service.

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26

1 **4.2 Network Integration Rate (NT-16)**

2 Network Integration service provides transmission service for a customer’s designated
3 network load, including network load growth. BPA provides this service according to
4 the terms and conditions in Part III of its OATT.

5
6 The NT-16 rate schedule identifies a single rate for NT Service and NT Conditional
7 Firm Service under the OATT. Transmission, Ancillary and Control Area Service Rate
8 Schedules, BP-16-A-02-AP03, NT-16, at § II. The monthly billing factor for the NT-16
9 rate is the customer’s Network load on the hour of the Monthly Transmission System
10 Peak Load for the month (the billing period). *Id. at* § III.A.

11
12 The NT-16 rate schedule includes a variety of adjustments and references to charges
13 from other rate schedules. The rate schedule includes an SDD available to customers
14 with designated Network Resources that use less than 75 circuit miles of BPA’s
15 transmission facilities for delivery to Network Load. *Id. at* § IV.D. The SDD is a credit
16 applied to the customer’s monthly bill according to the following formula:

17
$$\text{SDD credit} = \text{NT Rate} \times \text{Average HLH Generation} \times (75 - \text{distance}) / 75 \times 0.4$$

18 *Id.*

19 For resources that are directly connected to the customer’s system or that do not use any
20 FCRTS facilities, the discount is 40 percent of the NT rate multiplied by the average
21 generation of the resource during heavy load hours.

22
23 Other charges and provisions in the NT-16 rate schedule include:

- 24
- a requirement to purchase Scheduling and Reactive ancillary services
 - the Delivery Charge
- 25

- 1 • the Failure to Comply Penalty Charge
- 2 • notice that BPA will collect capital and related costs of a Direct Assignment
- 3 Facility under the Advance Funding rate or Use-of-Facilities rate
- 4 • notice of BPA's intent to charge incremental cost rates under specified conditions
- 5 • allowance for a rate adjustment pursuant to a FERC order under section 212 of
- 6 the Federal Power Act.

7 *Id.* at § IV. Section 7 of this study discusses the rate schedule provisions.

8
9 To calculate the NT rate, the study begins with the \$132.40 million in Network costs
10 allocated to NT service and adds the NT redispatch costs (\$160,000 in NT Firm
11 Redispatch of Federal resources costs and \$0 in non-Federal NT redispatch costs), which
12 equals total costs of \$132.56 million. *See* Table 7. Dividing this amount by the NT
13 billing factor of 6,367 MW yields a unit cost of \$20,820/MW-year, which is then divided
14 by 1,000 to derive a kW-year unit cost of \$20.82/kW-year. *Id.* The kW-year unit cost is
15 divided by 12 to yield the rate for NT service, which is \$1.735/kW-month. *Id.*

16 **4.3 Point-to-Point Rate (PTP-16)**

17
18 Point-to-Point transmission service provides for the transmission of energy on a firm,
19 non-firm, or conditional firm basis from specific points of receipt to specific points of
20 delivery on the transmission system. BPA provides this service according to the terms
21 and conditions in Part II of its OATT.

22
23 The PTP-16 rate schedule includes rates for long-term service; monthly, weekly, and
24 daily service; and hourly service. Transmission, Ancillary and Control Area Service
25 Rate Schedules, BP-16- -A-02-AP03, PTP-16, at § II. A single rate applies to all long-

1 term firm service and to conditional firm service under the rate schedule. The rate
2 schedule includes two rates for monthly, weekly, and daily service: “Block 1” for the
3 first five days of a reservation, and “Block 2” for the remaining days of the reservation.
4 One hourly rate applies to all hours of a reservation for hourly service. *Id.*

5
6 The PTP-16 rate schedule also incorporates a variety of adjustments, charges, notices,
7 and other rate provisions, including:

- 8 • a Short-Distance Discount for contract paths less than 75 circuit miles
- 9 • a requirement to purchase Scheduling, System Control, and Dispatch Ancillary
10 Service
- 11 • the Delivery Charge
- 12 • an Unauthorized Increase Charge
- 13 • the Reservation Fee
- 14 • the Failure to Comply Penalty Charge
- 15 • a credit for interruption of non-firm service
- 16 • notice that BPA will collect capital and related costs of a Direct Assignment
17 Facility under the Advance Funding rate or Use-of-Facilities rate
- 18 • notice of BPA’s intent to charge incremental cost rates under specified conditions
- 19 • allowance for a rate adjustment pursuant to a FERC order under section 212 of
20 the Federal Power Act.

21 *Id.* at § IV. See § 7 for further discussion of the rate schedule provisions.

1 The study calculates the rate for long-term firm PTP service by dividing the Network
2 costs allocated to PTP service, \$499.21 million, by the forecast average annual PTP
3 sales of 27,945 MW, yielding a unit cost of \$17,864/MW-year. *See* Table 7. This
4 amount is then divided by 1,000 to derive a kW-year unit cost of \$17.86/kW-year. *Id.*
5 This kW-year unit cost is divided by 12 to yield the monthly rate for long-term PTP
6 service, \$1.489/kW-month. *Id.*

7
8 The rate for short-term and hourly PTP service is derived from the long-term rate.
9 Short-term sales allow the customer to purchase transmission that more closely
10 matches the energy required in a day-by-day or hour-by-hour timeframe. Typically,
11 this means more short-term transmission is purchased during weekdays than weekends
12 and during heavy load hours (HLH) than during light load hours (LLH).

13
14 In order to account for the greater amount of short-term capacity that is expected to be
15 sold during weekdays and heavy load hours, and to help ensure that the rate for sales
16 during those hours recovers the appropriate amount of costs, the study sets short-term
17 rates at a level higher than a simple pro rata fraction of the long-term rate. It does so
18 by establishing the Block 1 rate for the first five days of short-term daily service based
19 on the costs for a full seven days. The study calculates the Block 1 rate by multiplying
20 the daily PTP unit cost (*i.e.*, the annual rate divided by 365.5, which is the average
21 number of days in each year of the rate period) by a factor of 7/5 (seven total days in
22 the week divided by five weekdays). *See* Table 7. The resulting Block 1 rate is
23 \$0.068/kW-day. The daily PTP short-term Block 2 rate of \$0.049/kW-day is
24 calculated by dividing the unit cost by 365.5 days. *Id.* The PTP daily, weekly, and
25 monthly services are all charged the same block rates.

26

1 The study applies a similar factor in the calculation of the rate for hourly service.
2 Since there are 16 heavy load hours each weekday, the hourly rate is set by
3 multiplying the PTP unit cost by an LLH/HLH factor of 24/16 (24 hours per day
4 divided by 16 heavy load hours) and then by the 7/5 daily factor. *Id.* The resulting
5 hourly PTP rate of 4.28 mills/kWh applies to both firm and non-firm hourly sales.

6
7 In the calculation of the PTP unit cost, the forecast of short-term sales in the
8 denominator is adjusted upward by these same LLH/HLH factors for rate development
9 purposes, to recognize that the short-term rates will recover more revenue because the
10 rates are increased by these factors. The final short-term PTP sales forecasts after
11 these adjustments are used in the development of the rates and in the revenue forecasts.

12 13 **4.4 Integration of Resources Rate (IR-16)**

14 As described in section 2, IR contracts integrate multiple resources and transmit
15 non-Federal power over BPA's Network and Delivery facilities to multiple points of
16 delivery on the customer's system. The rate that applies to service under IR agreements
17 includes a single "postage stamp" rate (a rate that does not vary by distance) that
18 combines a monthly demand charge calculated in the same manner as and equal to the
19 demand charge for the PTP rate and the SCD rate. Transmission, Ancillary and Control
20 Area Service Rate Schedules, BP-16-A-02-AP03, IR-16, at § II.A. The IR rate schedule
21 also provides for a charge for GSR.

22
23 IR contracts include specified transmission demands at each point of integration, which
24 are based on the annual peak output of a generating resource or annual peak demand in a
25 power purchase agreement. The billing factor for the IR demand charge is the
26 contractually specified transmission demand or, if the contract contains multiple points

1 of integration and transmission demands, the total transmission demand, which is the
2 sum of the multiple transmission demands under the contract. Non-firm service in
3 excess of the total transmission demand is billed at the PTP rate.

4
5 The IR rate schedule includes an SDD for IR contracts, which decreases the IR rate by
6 up to 40 percent for transmission that uses Network facilities for a distance of less than
7 75 circuit miles. *Id.* at § II.B. No IR contracts are expected to be subject to the SDD
8 during the rate period.

9
10 The IR rate schedule also incorporates other rate provisions and potential adjustments:

- 11 • the Delivery Charge
- 12 • the Failure to Comply Penalty Charge
- 13 • provisions detailing the circumstances under which the ratchet demand may be
14 waived or reduced.

15 Section 7 of this study explains the rate provisions in detail.

16
17 The study calculates the IR rate by dividing the Network costs allocated to IR service,
18 \$4.75 million, by the forecast average annual IR sales of 266 MW, yielding a unit cost
19 of \$17,864/MW-year. *See* Table 7. This amount is divided by 1,000 to derive a
20 kW-year unit cost of \$17.86/kW-year. *Id.* This kW-year unit cost is divided by 12 to
21 yield a monthly unit cost of \$1.489/kW-month. *Id.*

22
23 The costs of providing IR service include the Network transmission costs and the costs
24 of SCD and GSR services, which are the required ancillary services. The IR base rate is
25 calculated by combining the monthly IR service unit cost of \$1.489/kW-month with the

1 SCD rate of \$0.301/kW-month, for a total IR rate of \$1.790/kW-month. The IR-16 rate
2 schedule provides for adding the rate for GSR service to the IR base rate as well. As
3 explained in section 6, however, the GSR rate has been set at zero, so it has no impact on
4 the charges for IR service.

6 **4.5 Formula Power Transmission Rates (FPT-16.1 and FPT-16.3)**

7 The FPT rates are generally based on the types of transmission facilities used under a
8 particular FPT contract and the distance the energy is transmitted. Depending on the
9 type of FPT contract the customer has, the FPT rate may be adjusted annually under the
10 FPT-16.1 rate schedule, or adjusted once every three years under the FPT-16.3 rate
11 schedule. The FPT-16.1 rate schedule will take effect on the first day of the BP-16 rate
12 period (October 1, 2015). The FPT-16.3 rates will remain at the same level as they were
13 during the BP-14 rate period until October 1, 2016, which is three years after the rates
14 were last adjusted. At that time, the FPT-16.3 rates will increase to match the FPT-16.1
15 rates.

16
17 Both the FPT-16.1 and FPT-16.3 rate schedules include charges for use of facilities that
18 are part of the main grid (that portion of the Network facilities with an operating voltage
19 of 230 kV or more) and for those that are part of the secondary system (that portion of
20 the Network with an operating voltage between 69 kV and 230 kV). Transmission,
21 Ancillary and Control Area Service Rate Schedules, BP-16-A-02-AP03, FPT-16.1, § II
22 and FPT-16.3, § II. Within the category of facilities designated as “main grid” facilities,
23 there are specific charges for use of main grid interconnection terminals, main grid
24 terminals, and main grid miscellaneous facilities. The secondary system charges are
25 divided into charges for use of secondary system transformation, secondary system
26 intermediate terminals, and secondary system interconnection terminals. *Id.*

1 The distance charge has two components: a charge for the distance energy is transmitted
2 over the main grid, and a charge for the distance energy is transmitted over the
3 secondary system. *Id.* . Each FPT contract has a different overall rate per unit of
4 transmission demand based on the facilities used under the contract and the distance
5 energy is transmitted.

6
7 The FPT rate also includes the costs associated with SCD and an adjustment for the GSR
8 charge. *Id.* .The rate schedule specifies that customers taking FPT service are subject to
9 the Failure to Comply Penalty Charge. FPT-16.1, § IV and FPT-16.3, § IV. Section 7
10 discusses these rate schedules.

11
12 Only six customers are expected to take FPT service during the rate period, and the sales
13 under the few remaining FPT contracts are forecast to constitute about two percent of
14 BPA's Network revenues. *See* Table 4. Given the relatively small effect of the FPT
15 contracts on BPA's revenues, the study relies on certain simplifying assumptions in
16 order to set the FPT-16 rates, instead of a detailed cost analysis of all the categories and
17 subcategories of facilities in the FPT rate schedule. The study assumes that the increase
18 in FPT costs will equal the increase in the sum of the PTP service unit cost (determined
19 in section 4.3) and the rates for the associated ancillary services. The study also assumes
20 that the costs for each of the various FPT rate components (*e.g.*, Main Grid Distance,
21 Main Grid Terminal) will maintain the same proportion to each other as exists in the
22 FPT-14 rates. The facilities used to provide FPT service and associated ancillary
23 services are the same type of facilities used to provide other services over the Network
24 segment. As a result, it is reasonable to assume that their costs accelerate at similar rates
25 and in relation to one another.

1 The forecast revenue from the existing FPT contracts at FY 2014–2015 rates is
2 \$18.73 million. *See* Table 6. Dividing the forecast revenue at FY 2014–2015 rates by
3 the sales forecast for FY 2016–2017 results in an average FPT rate of \$1.585/kW-month.
4 Applying the increase in the unit cost plus the associated ancillary services of 3.1 percent
5 to the revenues at current rates results in an average FPT rate of \$1.634/kW-month. The
6 average FPT rate is the denominator for the adjustment for GSR.

7
8 Multiplying the sales forecast by the average FPT rate yields a revenue forecast of
9 \$19.32 million. The unit cost of the Network component of the rates is 83.2 percent of
10 the sum of the unit cost, the SCD rate, and the GSR rate. *Id.* Applying this percentage
11 to the FPT revenue forecast produces \$16.07 million attributable to Network
12 transmission service excluding ancillary services. This amount of revenue is allocated to
13 covering Network costs. The remaining revenues of \$3.25 million are attributed to
14 ancillary services and are allocated to cover SCD costs. *See* Table 10.1.

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1 **5. INTERTIE TRANSMISSION SERVICES**

2 BPA provides Point-to-Point transmission service on the Southern Intertie and the
3 Eastern Intertie. As described below, the study develops separate rates for service on
4 these interties.

5
6 **5.1 Southern Intertie Point-to-Point Rate (IS-16)**

7 The IS-16 rate schedule applies to PTP service on the Southern Intertie. The IS rate
8 schedule includes rates for long-term firm service; monthly, weekly, and daily service;
9 and hourly firm service. A single rate applies to all long-term firm service. Like the
10 PTP-16 rate schedule, the IS-16 rate schedule provides for daily, weekly, and monthly
11 transmission service at daily Block 1 and daily Block 2 rates. One hourly rate applies to
12 all hours of a reservation for hourly service. Transmission, Ancillary and Control Area
13 Service Rate Schedules, BP-16-A-02-AP03, IS-16, § II.

14
15 The IS rate schedule also includes these provisions:

- 16 • the requirement to purchase certain ancillary services
- 17 • a credit for interruption of non-firm service
- 18 • the Reservation Fee
- 19 • an Unauthorized Increase Charge
- 20 • the Failure to Comply Penalty Charge
- 21 • notice of BPA’s intent to charge incremental cost rates under specified conditions
- 22 • allowance for a rate adjustment pursuant to a FERC order under section 212 of
- 23 the Federal Power Act

- notice regarding Direct Assignment Facility costs, which are to be collected under the Advance Funding rate or Use-of-Facilities rate.

Id. § IV. See § 7 for further discussion of the rate schedule provisions.

To calculate the IS-16 rates, the study first determines a unit cost for service on the Southern Intertie. The unit cost equals the net segmented revenue requirement for the Southern Intertie segment divided by the forecast sales for the segment. To determine the net segmented revenue requirement, the study begins with the segmented revenue requirement determined in the Transmission Revenue Requirement Study. Revenue credits and other adjustments are then applied to the revenue requirement. See Table 1. Section 3 of the study describes these revenue credits and adjustments.

The Southern Intertie was originally constructed in 1967 and was expanded in 1993 with the participation of non-Federal parties (the capacity owners). The capacity owners obtained a share of the capacity on these facilities and make payments to BPA for use of the capacity. The study treats revenue from the payments by the capacity owners as a revenue credit allocated to the Southern Intertie, which reduces the segmented revenue requirement. See Tables 2 & 3.

After all revenue credits and adjustments are applied, the average net segmented revenue requirement for the Southern Intertie segment is \$93.09 million. *Id.* The projected sales on BPA's portion of the Southern Intertie equal 6,305 MW. See Table 8. Dividing dollars by megawatts yields annual rate of \$14.76/kW-year. *Id.* This annual rate is divided by 12 to determine the IS long-term rate of \$1.230/kW-month.

1 The calculation of the daily and hourly IS-16 rates includes the same adjustment for
2 short-term sales that the study makes for other PTP rates. Section 4.3 explains the
3 adjustment. The daily IS short-term Block 1 rate is calculated by dividing the annual
4 rate, \$14.76/kW-year, by 365.5 days/year and multiplying by the LLH/HLH factor of
5 7/5, which yields \$0.057/kW-day. *Id.* The daily IS short-term Block 2 rate is calculated
6 by dividing the annual rate by 365.5 days, yielding \$0.040/kW-day. *Id.*

7
8 The IS hourly rate applies to both firm and non-firm hourly sales. It is calculated by
9 dividing the annual rate by 8,772 hours/year, dividing by 1,000 to convert to mills, and
10 multiplying by the LLH/HLH factors of 24/16 and 7/5. The result is a IS-14 hourly rate
11 of 3.53mills/kWh. *Id.*

12 13 **5.2 Eastern Intertie (Montana)**

14 The Broadview-to-Garrison intertie facilities, referred to as the Montana Intertie, were
15 built to transmit the output of the Colstrip generating facility, a coal plant in Montana, to
16 the Pacific Northwest. The arrangement for constructing transmission lines and
17 providing transmission service for Colstrip was set forth in the Montana Intertie
18 Agreement. The Colstrip parties to the Montana Intertie Agreement (Avista,
19 NorthWestern Energy, PacifiCorp, Portland General Electric, and Puget Sound Energy,
20 or their predecessors) built transmission facilities between Broadview and Townsend,
21 Montana. BPA built the facilities between Townsend and Garrison, which are called the
22 Eastern Intertie. Under the Montana Intertie Agreement, BPA provides transmission

1 service on the Eastern Intertie to the Colstrip parties at the TGT rate. BPA has the right
2 to market any remaining transmission capacity in either direction on the Eastern Intertie.

3
4 The costs associated with the Eastern Intertie segment are recovered primarily through
5 the Montana Intertie Agreement under the TGT rate, which is a formula rate specified in
6 the contract. BPA receives payments under the TGT rate from each Colstrip party for its
7 share of the costs of the Eastern Intertie capacity. These payments are a revenue credit
8 applied to the Eastern Intertie segmented costs. *See* Table 2. Non-firm service for the
9 Colstrip parties is available over the Eastern Intertie under either the IE or IM rate.

10 A proportionate share of any revenue for non-firm service received under the IE and
11 IM rates is credited under the TGT rate to the Colstrip parties. Any firm sales BPA
12 makes on BPA's remaining capacity on the Eastern Intertie are marketed at the IM rate.

14 **5.2.1 Montana Intertie Rate (IM-16)**

15 The IM-16 rate applies to service on BPA's capacity share of the Eastern Intertie
16 facilities. The IM rate schedule includes rates for long-term firm service; monthly,
17 weekly, and daily service; and hourly firm service. Like the PTP-16 rate schedule, the
18 IM-16 rate schedule provides block rates for monthly, weekly, and daily firm and
19 non-firm service. One hourly rate applies to all hours of a reservation for hourly service.

20 *See* Transmission, Ancillary and Control Area Service Rate Schedules, BP-16-A-02-
21 AP03, IM-16, § II.

1 The IM rate schedule also includes these provisions:

- 2 • the requirement to purchase certain ancillary services
- 3 • a credit for interruption of non-firm service
- 4 • the Reservation Fee
- 5 • an Unauthorized Increase Charge
- 6 • the Failure to Comply Penalty Charge
- 7 • notice of BPA's intent to charge incremental cost rates under specified conditions
- 8 • allowance for a rate adjustment pursuant to a FERC order under section 212 of
- 9 the Federal Power Act
- 10 • notice regarding Direct Assignment Facility costs, which are to be collected
- 11 under the Advance Funding rate or Use-of-Facilities rate.

12 *Id.* § IV. See § 7 for further discussion of the rate schedule provisions.

13
14 The IM rate is based on BPA's proportionate share of the costs of the Eastern Intertie
15 facilities as identified in the Montana Intertie Agreement. BPA forecasts 16 MW of
16 long-term sales over BPA's capacity during the rate period. *See* Table 8.

17
18 The IM-16 annual rate is calculated by dividing the BPA cost under the Montana Intertie
19 Agreement by the BPA capacity allocation of 16 MW, which yields \$7.18/kW-year. *Id.*

20 The monthly IM-16 rate is calculated by dividing the annual rate by 12 months, yielding
21 \$0.598/kW-month. *Id.*

22
23 The calculation of the daily and hourly IM-16 rates includes the same adjustment for
24 short-term sales that the study makes for PTP rates. Section 4.3 explains the adjustment.

1 The daily IM-16 short-term Block 1 rate is set by dividing the IM-16 annual rate by
2 365.5 days and multiplying by the LLH/HLH factor of 7/5, which yields
3 \$0.028/kW-day. *Id.* The daily IM short-term Block 2 rate is calculated by dividing the
4 IM-16 annual rate by 365.5 days, yielding \$0.020/kW-day. *Id.*

5
6 The IM hourly rate, which applies to both firm and non-firm hourly sales, is calculated
7 by dividing the IM-16 annual rate by 8,772 hours/year, dividing by 1,000 to convert to
8 mills, and multiplying by the LLH/HLH factors of 24/16 and 7/5. *Id.* The result is an
9 IM-16 hourly rate of 1.72 mills/kWh. *Id.*

10 11 **5.2.2 Townsend-Garrison Transmission Rate (TGT-16)**

12 As described above, BPA recovers the costs of the Eastern Intertie through the TGT rate,
13 which is a formula rate based on the Montana Intertie Agreement. The TGT rate
14 schedule is Exhibit E to the agreement and has been modified in minor respects in rate
15 proceedings held since execution of the agreement. The TGT revenues are reflected as a
16 revenue credit allocated to the Eastern Intertie segment. *See* Table 2.

17 18 **5.2.3 Eastern Intertie Rate (IE-16)**

19 The IE rate is available to the parties to the Montana Intertie Agreement for non-firm
20 transmission service on the Eastern Intertie. The IE-16 rate is calculated by dividing the
21 annual costs of the Eastern Intertie segment, \$11.97 million, by the amount of capacity
22 available to the Colstrip parties on the Eastern Intertie, 1,930 MW, then dividing by

1 8,772 hours/year, and multiplying by the LLH/HLH factors of 24/16 and 7/5. *See*
2 Table 8 and § 4.3. The result is an IE-16 rate of 1.48 mills/kWh. *See* Table 8.
3
4 Under the TGT rate schedule, monthly revenues from any non-firm transactions under
5 the IE-16 and IM-16 rates are deducted from the portion of the total annual costs to be
6 recovered in that month under the TGT rate. The Colstrip parties' portion of the
7 monthly net cost is then allocated to them in accordance with the formula in the TGT
8 rate schedule.

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1 System Control, and Dispatch, which averages \$164.71 million annually over the rate
2 period. *See* Table 10.1. The study adjusts the SCD costs by applying revenue credits
3 and other adjustments, including the portion of the FPT revenues allocated to SCD.
4 *See* Table 3; Table 10.1; §§ 3 & 4.5. The revenue credits and other adjustments reduce
5 the overall SCD costs to an average of \$153.69 million annually over the rate period.
6 *See* Table 10.1.

7
8 As it does with respect to the calculation of rates for NT, PTP, and IR service on the
9 Network, the study calculates allocation percentages for SCD sales associated with NT
10 (based on the non-coincident peak load forecast), PTP (including PTP service on the
11 Southern Intertie and Montana Intertie), and IR service based on the ratio of the sales
12 forecast for each service to the total forecast average annual SCD sales associated with
13 all three services, 42,531 MW. *See* Table 10.1. The allocation percentages for SCD
14 sales associated with NT, PTP, and IR services are 17.71 percent, 81.67 percent, and
15 0.63 percent, respectively. *Id.* Multiplying the total adjusted average annual SCD
16 revenue requirement of \$153.69 million by the sales percentage for each service yields
17 an allocated cost of \$27.21 million for NT service, \$125.52 million for PTP service, and
18 \$0.96 million for IR service. *Id.* The study uses these allocated costs to calculate the
19 rates for SCD service associated with NT, PTP, and IR service.

20
21 To calculate the SCD rate for NT service, the study divides the \$27.21 million of SCD
22 costs allocated to NT service by the NT billing factor of 6,486 MW (the average
23 monthly NT coincident peak load forecast for the rate period, not considering the Short

1 Distance Discount). This yields a unit cost of \$4,196/kw-year, which is then divided
2 by 1,000 to derive a kW-year unit cost of \$4.20/kW-year. The kW-year unit cost is
3 divided by 12 to yield a monthly SCD for NT service unit cost of \$0.350/kW-month.

4 *Id.* The study sets the SCD rate for NT service equal to this monthly unit cost.

5
6 The same methodology is used to calculate the SCD rates for PTP, IR, Southern
7 Intertie, and Montana Intertie service. For the SCD rate for PTP service (including
8 PTP service on the Southern Intertie and Montana Intertie), the PTP share of total SCD
9 sales (81.67 percent) is multiplied by the total average annual SCD revenue
10 requirement of \$153.69 million, yielding a total PTP service class cost of
11 \$125.52 million. This value is divided by forecast average annual PTP sales (Long
12 Term and Short Term combined, and not considering the Short Distance Discount) of
13 34,735 MW, yielding a unit cost of \$3,614/MW-year, which is then divided by 1,000
14 to derive a kW-year unit cost of \$3.61/kW-year. This kW-year unit cost is divided by
15 12 to yield a monthly SCD for PTP service unit cost of \$0.301/kW-month. *Id.*

16
17 For the SCD rate for IR service, the IR share of total SCD sales (0.63 percent) is
18 multiplied by the total average annual SCD revenue requirement of \$153.69 million,
19 yielding a total IR service class cost of \$0.96 million. This value is divided by forecast
20 average annual IR sales of 266 MW, yielding a unit cost of \$3,614/MW-year, which is
21 then divided by 1,000 to derive a kW-year unit cost of \$3.61/kW-year.

1 This kW-year unit cost is divided by 12 to yield a monthly SCD for IR service unit
2 cost of \$0.301/kW-month. *Id.*

3
4 The rates for Block 1 daily service and hourly SCD service include the adjustment for
5 short-term sales that the study includes for the rates for every PTP service. Section 4.3
6 discusses this adjustment. The short-term Block 1 rate of \$0.014/kW-day equals the
7 SCD annual unit cost divided by 365.5 days and multiplied by the LLH/HLH factor of
8 7/5 (seven days divided by five HLH days). *Id.* The Block 2 rate of \$0.010/kW-day
9 equals the SCD annual unit cost divided by 365.5 days. *Id.* The study calculates the
10 hourly rate of 0.87 mills/kWh by dividing the annual unit cost by 8,772 hours/year,
11 dividing by 1,000 to convert to mills, and multiplying by the LLH/HLH factors of 24/16
12 (24 hours/day divided by 16 HLH/day) and 7/5. *Id.*

14 **6.2 Generation Supplied Reactive Service**

15 The GSR rate is set on a quarterly basis pursuant to a formula in the GSR rate schedule.
16 *See* Transmission, Ancillary and Control Area Service Rate Schedules, BP-16-A-02-
17 AP03, ACS-16, § II.B. As of October 1, 2007, BPA Transmission Services no longer
18 compensates BPA Power Services for generation inputs associated with providing
19 reactive supply and is not required to pay independent power producers for reactive
20 supply inside the deadband. *See Bonneville Power Admin. v. Puget Sound Energy Inc.*,
21 120 FERC ¶ 61,211 (2007), *reh'g denied*, 125 FERC ¶ 61,273 (2008). Therefore, no
22 costs exist for GSR inside the deadband. BPA is required to pay generators for reactive
23 supply that it requests outside the deadband, pursuant to the generator's FERC-approved

1 rate. BPA does not expect any costs for GSR outside the deadband during the rate
2 period. Therefore, the GSR rate is expected to be zero for the FY 2016–2017 rate
3 period.

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1 **7. OTHER SERVICES AND PROVISIONS**

2 **7.1 Western Electricity Coordinating Council (WECC) and Peak**
3 **Reliability (Peak) Rate**

4 The WECC and Peak rates recover costs associated with funding the reliability activities
5 of the North American Electric Reliability Corporation (NERC), the Western Electricity
6 Coordinating Council (WECC), and Peak Reliability (Peak). The WECC rate recovers
7 costs associated with the Electric Reliability Organization (ERO) responsibilities
8 delegated to WECC by NERC. The Peak rate recovers costs associated with the
9 Reliability Coordinator and Interchange Authority functions recently assumed from
10 WECC. The WECC and Peak organizations assign costs to the Balancing Authorities
11 (BAs) they serve based on load in each BA’s service area (Balancing Authority Area –
12 BAA). The WECC and Peak costs collected through the WECC and Peak rates are the
13 share of WECC and Peak costs assessed due to customers’ load in BPA’s BAA.

14
15 Total WECC and Peak costs are estimated to average \$5.84 million per year for the
16 FY 2016–2017 rate period. These costs are directly assigned to SCD as shown in the
17 Transmission Revenue Requirement Study and are included in the Ancillary Services
18 Segmented Revenue requirement shown on Table 1, column I. The forecast
19 \$5.84 million per year in WECC and Peak costs are based on 2015 actuals, inflated by
20 1.6 percent, which is the inflation rate BPA used in the IPR. See Fredrickson *et al.*,
21 BP-16-E-BPA-14, section 8 for more discussion on the costs. Of the total forecast of
22 \$5.84 million per year in WECC and Peak costs, \$5.06 million of forecast costs
23 (\$2.35 million for WECC costs and \$2.72 million for Peak costs) are related to customer
24 served load in the BAA. The rates are determined by first removing the WECC and

1 Peak costs related to customer served load in the BAA from the Ancillary Services
2 segment. *See* Table 3. The study then calculates the WECC and Peak rates by dividing
3 the forecast annual average WECC and Peak costs resulting from customer's load in the
4 BAA by the forecast average annual load in the BAA of 52,095,016 kWh. *See*
5 Table 10.2. This results in an hourly WECC rate of \$0.05 mills/kWh and an hourly Peak
6 rate of \$0.05 mills/kWh. *Id.* These rates will only be charged to customers serving load
7 in BPA's BAA. The remaining WECC and Peak costs of \$0.77 million (\$0.52 million
8 for WECC costs and \$0.25 million for Peak costs) remain part of the Ancillary Services
9 revenue requirement and are recovered by all customers paying the SCD rate. The
10 remaining WECC and Peak costs are for unscheduled flow, station service and losses,
11 which are discussed further in Fredrickson *et al.*, BP-16-E-BPA-14, section 8.

12

13 **7.2 Oversupply Rate (OS-16)**

14 The Oversupply rate recovers the displacement costs that BPA pays under its Open Access
15 Transmission Tariff (OATT) Attachment P, also known as the Oversupply Management
16 Protocol (OMP), for the FY 2016-2017 rate period. Under the protocol, in order to moderate
17 total dissolved gas levels in the Columbia River BPA displaces generators located in BPA's
18 balancing authority area under a least-cost displacement cost curve. The Oversupply rate
19 allocates displacement costs to each generator based on the proportion that that generator's
20 scheduled generation for the hour bears to the total amount of scheduled generation in the
21 balancing authority area for the hour. For generation scheduled by BPA Power Services,
22 BPA will bill customers that purchase under the PF, IP, or NR rate schedules using Modified
23 Tier 1 Cost Allocators (TOCA). TOCAs are customer-specific power rate billing
24 determinants that are established under the Tiered Rate Methodology for PF customers.

1 Each power customer's billing determinant is a percentage of the sum of all power
2 customers' billing determinants. *See* 2012 Wholesale Power and Transmission Rate
3 Adjustment Proceeding (BP-12) Tiered Rate Methodology, BP-12-A-03, at 57-58.
4

5 **7.3 Use-of-Facilities Transmission Rate (UFT-16)**

6 Use-of-Facilities Transmission (UFT) service is generally offered in a limited set of
7 situations in which PTP transmission service is not appropriate. Such situations include
8 for example, sales of capacity over a specific set of facilities within a substation (*e.g.*,
9 buswork or a transformer bank) that do not negatively affect power flows on the rest of
10 the transmission system.
11

12 The UFT rate schedule includes a formula monthly rate of one-twelfth of the sum of the
13 annual costs of the transmission facilities used by the UFT customer divided by the sum
14 of the transmission demand reserved by the UFT customer. If more than one customer
15 uses given facilities, the costs of the facilities are allocated between the customers based
16 on usage.
17

18 BPA adjusts the costs of operating and maintaining the transmission facilities (the
19 numerator in the UFT formula rate) annually. Finally, the UFT rate schedule includes
20 provisions for Ancillary Services and Failure to Comply Penalties.
21

22 **7.4 Advance Funding Rate (AF-16)**

23 If a customer and BPA agree that the customer should advance fund BPA-owned
24 transmission facilities, the customer will pay BPA the cost of those facilities under the

1 AF-16 rate schedule. Such facilities may include for example, interconnection and
2 resource integration facilities and transmission system upgrades, reinforcements, and
3 replacements. The Advance Funding rate allows BPA to recover costs and prevent
4 stranded costs for facilities that BPA builds under agreements with individual customers.
5 After commercial operation of the facilities, BPA performs a true-up of estimated costs
6 to actual costs and either bills the customer or issues a refund for the difference between
7 the advance payment and the actual costs.

8

9 **7.5 Rate Adjustment Due to FERC Order Under Section 212 of the** 10 **Federal Power Act**

11 This provision is included in the NT, PTP, IS, IM, and ACS rate schedules. After review
12 by FERC, these rate schedules may be modified to satisfy statutory standards for
13 FERC-ordered transmission service. For customers taking transmission service that has
14 not been ordered by FERC, any modifications would be effective only prospectively
15 from the date of the FERC order that grants final approval of the rate schedule for
16 FERC-ordered transmission.

17

18 **7.6 Delivery Charges**

19 **7.6.1 Utility Delivery Charge**

20 The Utility Delivery Charge applies to utility customers that take delivery of power over
21 transmission facilities that are included in the Utility Delivery segment, as defined in the
22 Transmission Segmentation Study. Utility Delivery customers are customers that serve
23 retail load, including as investor-owned utilities, public utility districts, cooperatives, and
24 municipalities.

1 The annual average segmented revenue requirement for the Utility Delivery segment is
2 \$2.66 million. *See* Table 1. As described in section 3, the study applies revenue credits
3 and adjustments to this amount to determine the net segmented revenue requirement.

4 The annual average net segmented revenue requirement for the Utility Delivery
5 segment is \$2.46 million. *See* Table 3.

6
7 The study determines an annual unit cost for Utility Delivery service by dividing the
8 \$2.46 million revenue requirement by the forecast annual average Utility Delivery sales
9 of 159.31 MW. *See* § 2 & Table 9. This results in an annual unit cost of
10 \$15.42/kW-year and a monthly unit cost of \$1.285/kW-month. *See* Table 9.

11 12 **7.6.2 DSI Delivery Charge**

13 The DSI Delivery Charge applies to direct-service industrial customers that take delivery
14 of power over transmission facilities that are included in the DSI Delivery segment, as
15 defined in the Transmission Segmentation Study. The DSI Delivery Charge is a
16 Use-of-Facility Charge and is determined under sections III.A and B of the UFT-16 rate
17 schedule. *See* section 7.3 for an explanation of the Use-of-Facility Charge.

18 19 **7.7 Failure to Comply Penalty Charge**

20 The Failure to Comply Penalty Charge applies when a party fails to comply with BPA's
21 dispatch, curtailment, redispatch, or load shedding orders necessary to maintain system
22 reliability. Transmission, Ancillary and Control Area Service Rate Schedules, BP-16-A-
23 02-AP03, GRSP § II.B. The charge is the greater of 500 mills/kWh or 150 percent of an

1 hourly energy index in the Pacific Northwest, measured by the number of kilowatthours
2 a party fails to curtail, redispatch, shed load, or change or limit generation in response to
3 a BPA order. In addition, the party is assessed the costs of alternate measures BPA takes
4 to ensure reliability and of any penalties imposed on BPA for violation of any Reliability
5 Standard(s) caused by the party's failure to comply.

7 **7.8 Unauthorized Increase Charge**

8 For firm transmission service under the PTP, IS, and IM rate schedules, BPA assesses an
9 Unauthorized Increase Charge (UIC) when a customer's transmission usage exceeds its
10 capacity reservations at any Point of Receipt (POR) or Point of Delivery (POD). *Id.*

11 § II.F. The UIC rate is the lesser of (i) 100 mills/kWh plus the price cap established by
12 the Commission for spot market sales of energy in the WECC, or (ii) 1000 mills/kWh.
13 If the Commission eliminates the WECC price cap, the rate will be 500 mills/kWh.

14
15 For each hour, BPA adds the amounts that exceed capacity reservations at all PODs and
16 at all PORs. The billing factor is the higher of the POR sum or the POD sum. BPA uses
17 hourly measurements based on a 10-minute moving average to calculate actual demands
18 at PODs associated with loads that are one-way dynamically scheduled and at PORs
19 associated with resources that are one-way dynamically scheduled. For two-way
20 dynamic schedules, actual demands are the instantaneous peak demand for the hour.
21 The actual demands associated with all other PORs and PODs are based on 60-minute
22 integrated demands or transmission schedules.

1 BPA may waive or reduce a UIC based on the criteria in the GRSPs. Because the UIC is
2 a penalty rate, and BPA expects customers to limit their usage to the amount of reserved
3 capacity, BPA does not expect to assess this charge during the rate period.

4 5 **7.9 Reservation Fee**

6 The Reservation Fee is included in the PTP, IS, and IM rate schedules. The Reservation
7 Fee applies to PTP transmission customers that, pursuant to OATT section 17.7, request
8 an extension (deferral) of the Service Commencement Date specified in the Service
9 Agreement. The Reservation Fee is a nonrefundable fee equal to one month's charge for
10 each year or fraction of a year which the customer extends the service commencement
11 date.

12 13 **7.10 IR Ratchet Demand**

14 The IR rate schedule includes a Ratchet Demand Relief provision that describes the
15 demonstration the customer must make to obtain a waiver or reduction of a Ratchet
16 Demand. A Ratchet Demand is the maximum demand established during a specified
17 period.

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TABLES

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Table 1
Transmission Revenue Requirements
(\$000/yr)

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	Total	Generation Integration	Network	Intertie Southern	Eastern	Delivery Utility	Industry	Ancillary Services/1
1 FY 2016:								
2 FCRTS Investment Base (Net Plant)	4,860,913	69,532	4,015,841	521,365	79,736	8,154	7,270	159,015
3 Percent of Total		1.4%	82.6%	10.7%	1.6%	0.2%	0.1%	3.3%
4 Operations & Maintenance	452,185	6,063	274,485	38,784	5,022	1,568	963	125,299
5 Transmission Acquisition & Ancillary Services	140,767	130	21,488	2,041	82	230	20	116,776
6 Depreciation	234,327	3,096	173,688	25,171	3,392	487	369	28,124
7 Net Interest Expense	141,083	1,938	116,914	15,148	2,222	227	203	4,432
8 Planned Net Revenues	105,925	1,154	84,774	15,777	1,324	135	121	2,640
9 Total Transmission Revenue Requirement	1,074,288	12,382	671,349	96,923	12,042	2,648	1,675	277,270
10 FY 2017:								
11 FCRTS Investment Base (Net Plant)	5,292,153	67,045	4,259,601	682,941	76,825	7,924	7,014	190,804
12 Percent of Total		1.3%	80.5%	12.9%	1.5%	0.1%	0.1%	3.6%
13 Operations & Maintenance	462,411	6,199	280,618	39,651	5,134	1,603	984	128,221
14 Transmission Acquisition & Ancillary Services	140,782	125	21,416	2,114	76	229	19	116,803
15 Depreciation	253,854	3,189	185,440	29,241	3,471	512	384	31,617
16 Net Interest Expense	148,255	1,811	120,091	18,719	2,076	214	190	5,155
17 Planned Net Revenues	90,472	988	67,784	17,537	1,132	117	103	2,811
18 Total Transmission Revenue Requirement	1,095,775	12,312	675,350	107,262	11,888	2,675	1,680	284,607
19 Annual Average for Rate Period								
20 FCRTS Investment Base (Net Plant)	5,076,533	68,289	4,137,721	602,153	78,280	8,039	7,142	174,910
21 Percent of Total		1.3%	81.5%	11.9%	1.5%	0.2%	0.1%	3.4%
22 Operations & Maintenance	457,298	6,131	277,552	39,218	5,078	1,586	973	126,760
23 Transmission Acquisition & Ancillary Services	140,775	128	21,452	2,078	79	229	20	116,789
24 Depreciation	244,091	3,143	179,564	27,206	3,431	500	377	29,870
25 Net Interest Expense	144,669	1,875	118,502	16,934	2,149	221	196	4,793
26 Planned Net Revenues	98,199	1,071	76,279	16,657	1,228	126	112	2,726
27 Total Transmission Revenue Requirement	1,085,031	12,347	673,349	102,092	11,965	2,662	1,678	280,938

/1 Ancillary Service costs include Scheduling, System Control, and Dispatch (SCD) and Gen Inputs costs.

Table 2
Revenue Credits

(A) Transmission Revenue Credit	(B) FY 2015 (\$000)	(C) FY 2016 (\$000)	(D) FY 2017 (\$000)	(E) Avg 16/17 (\$000/yr)	(F) Growth
1 IS Reservation Fee	-	-	-	-	-
2 UFT Fixed Dollar Amount	4,819	4,755	4,755	4,755	-1.3%
3 UFT Variable Service Amt	255	263	263	263	3.0%
4 TGT Firm Demand	12,394	12,421	12,421	12,421	0.2%
5 O&M Non-Federal Facility	640	640	640	640	0.0%
6 O&M Federal Facility	318	318	318	318	0.0%
7 PTP Reservation Fee	325	2,535	2,305	2,420	643.7%
8 CF Reservation Fee	222	74	-	37	-83.3%
9 Failure to Comply Penalty	-	-	-	-	N/A
10 SINT AC Non Federal O&M	1,695	1,695	1,695	1,695	0.0%
11 SINT AC Non Fed Replacements	-	-	-	-	N/A
12 Power Factor Penalty Lagging	263	-	-	-	-100.0%
13 Power Factor Penalty Leading	66	-	-	-	-100.0%
14 PFP Lagging Ratchet	2,920	-	-	-	-100.0%
15 PFP Leading Ratchet	854	-	-	-	-100.0%
16 DSI Delivery Charge	2,633	2,633	2,633	2,633	0.0%
17 PCS Wireless Leases	4,475	4,475	4,475	4,475	0.0%
18 PCS Construction	2,810	2,810	2,810	2,810	0.0%
19 PCS Operations & Maintenance	-	317	317	317	N/A
20 Fiber Leases	8,567	8,564	8,549	8,556	-0.1%
21 Fiber Operations & Maintenance	818	817	811	814	-0.5%
22 Land Use/Lease/Sale	216	216	216	216	0.0%
23 Misc Leases	105	105	104	104	-0.5%
24 Right-Of-Way Lease	79	79	79	79	0.0%
25 COE/BOR Project Revenue	954	-	-	-	-100.0%
26 3rd AC RAS Generation Dropping	22	22	22	22	0.0%
27 AC RAS Load Tripping	-	19	19	19	N/A
28 Transmission Share of IPP	246	246	246	246	0.0%
29 Use of Communication Equipmt	155	153	134	144	-7.5%
30 FPS Real Power Losses	-	-	-	-	N/A
31 Amort NonFed PNW AC Intertie	3,325	3,325	3,325	3,325	0.0%
32 Transmission Processing Fee	168	168	168	168	0.0%
33 Total	49,344	46,649	46,303	46,476	-5.8%

Table 2
Revenue Credits

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
Credit Segmentation Factors	Basis	Total	Generation Integration	Network	Utility	Delivery Industrial	Intertie Southern	Eastern	Ancillary Services
34	IS Reservation Fee	direct	100.00%	-	-	-	-	100.00%	-
35	UFT Fixed Dollar Amount	direct	100.00%	0.13%	58.50%	3.51%	-	37.86%	-
36	UFT Variable Service Amt	direct	100.00%	0.13%	58.50%	3.51%	-	37.86%	-
37	TGT Firm Demand	direct	100.00%	-	-	-	-	100.00%	-
38	O&M Non-Federal Facility	direct	100.00%	-	94.17%	0.17%	5.66%	-	-
39	O&M Federal Facility	direct	100.00%	-	94.17%	0.17%	5.66%	-	-
40	PTP Reservation Fee	network	100.00%	-	100.00%	-	-	-	-
41	CF Reservation Fee	network	100.00%	-	100.00%	-	-	-	-
42	Failure to Comply Penalty	network	100.00%	-	100.00%	-	-	-	-
43	SINT AC Non Federal O&M	southern	100.00%	-	-	-	100.00%	-	-
44	SINT AC Non Fed Replacements	southern	100.00%	-	-	-	100.00%	-	-
45	Power Factor Penalty Lagging	network	100.00%	-	100.00%	-	-	-	-
46	Power Factor Penalty Leading	network	100.00%	-	100.00%	-	-	-	-
47	PFP Lagging Ratchet	network	100.00%	-	100.00%	-	-	-	-
48	PFP Leading Ratchet	network	100.00%	-	100.00%	-	-	-	-
49	DSI Delivery Charge	industry	100.00%	-	-	100.00%	-	-	-
50	PCS Wireless Leases	net plant	100.00%	1.18%	71.60%	0.14%	0.12%	10.42%	15.18%
51	PCS Construction	net plant	100.00%	1.18%	71.60%	0.14%	0.12%	10.42%	15.18%
52	PCS Operations & Maintenance	net plant	100.00%	1.18%	71.60%	0.14%	0.12%	10.42%	15.18%
53	Fiber Leases	net plant	100.00%	1.18%	71.60%	0.14%	0.12%	10.42%	15.18%
54	Fiber Operations & Maintenance	net plant	100.00%	1.18%	71.60%	0.14%	0.12%	10.42%	15.18%
55	Land Use/Lease/Sale	net plant	100.00%	1.18%	71.60%	0.14%	0.12%	10.42%	15.18%
56	Misc Leases	net plant	100.00%	1.18%	71.60%	0.14%	0.12%	10.42%	15.18%
57	Right-Of-Way Lease	net plant	100.00%	1.18%	71.60%	0.14%	0.12%	10.42%	15.18%
58	COE/BOR Project Revenue	direct	100.00%	-	94.17%	0.17%	5.66%	-	-
59	3rd AC RAS Generation Dropping	southern	100.00%	-	-	-	100.00%	-	-
60	AC RAS Load Tripping	southern	100.00%	-	-	-	100.00%	-	-
61	Transmission Share of IPP	network	100.00%	-	100.00%	-	-	-	-
62	Use of Communication Equipmt	net plant	100.00%	1.18%	71.60%	0.14%	0.12%	10.42%	15.18%
63	FPS Real Power Losses	network	100.00%	-	100.00%	-	-	-	-
64	Amort NonFed PNW AC Intertie	southern	100.00%	-	-	-	100.00%	-	-
65	Transmission Processing Fee	network	100.00%	-	100.00%	-	-	-	-

Table 2
Revenue Credits

(A) FY 2016 Revenue	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	Generation Integration (\$000)	Network (\$000)	Delivery Utility (\$000)	Industrial (\$000)	Southern (\$000)	Intertie Eastern (\$000)	Ancillary Services (\$000)
66 IS Reservation Fee	-	-	-	-	-	-	-
67 UFT Fixed Dollar Amount	6	2,782	167	-	1,800	-	-
68 UFT Variable Service Amt	0	154	9	-	100	-	-
69 TGT Firm Demand	-	-	-	-	-	12,421	-
70 O&M Non-Federal Facility	-	603	1	36	-	-	-
71 O&M Federal Facility	-	299	1	18	-	-	-
72 PTP Reservation Fee	-	2,535	-	-	-	-	-
73 CF Reservation Fee	-	74	-	-	-	-	-
74 Failure to Comply Penalty	-	-	-	-	-	-	-
75 SINT AC Non Federal O&M	-	-	-	-	1,695	-	-
76 SINT AC Non Fed Replacements	-	-	-	-	-	-	-
77 Power Factor Penalty Lagging	-	-	-	-	-	-	-
78 Power Factor Penalty Leading	-	-	-	-	-	-	-
79 PFP Lagging Ratchet	-	-	-	-	-	-	-
80 PFP Leading Ratchet	-	-	-	-	-	-	-
81 DSI Delivery Charge	-	-	-	2,633	-	-	-
82 PCS Wireless Leases	53	3,204	6	6	466	61	679
83 PCS Construction	33	2,012	4	3	293	38	427
84 PCS Operations & Maintenance	4	227	0	0	33	4	48
85 Fiber Leases	101	6,132	12	11	892	116	1,300
86 Fiber Operations & Maintenance	10	585	1	1	85	11	124
87 Land Use/Lease/Sale	3	155	0	0	23	3	33
88 Misc Leases	1	75	0	0	11	1	16
89 Right-Of-Way Lease	1	57	0	0	8	1	12
90 COE/BOR Project Revenue	-	-	-	-	-	-	-
91 3rd AC RAS Generation Dropping	-	-	-	-	22	-	-
92 AC RAS Load Tripping	-	-	-	-	19	-	-
93 Transmission Share of IPP	-	246	-	-	-	-	-
94 Use of Communication Equipmt	2	110	0	0	16	2	23
95 FPS Real Power Losses	-	-	-	-	-	-	-
96 Amort NonFed PNW AC Intertie	-	-	-	-	3,325	-	-
97 Transmission Processing Fee	-	168	-	-	-	-	-
98 Subtotal FY 2016	214	19,416	202	2,709	8,787	12,658	2,662

Table 2
Revenue Credits

(A) FY 2017 Revenue	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	Generation Integration (\$000)	Network (\$000)	Delivery Utility (\$000)	Industrial (\$000)	Southern (\$000)	Intertie Eastern (\$000)	Ancillary Services (\$000)
99 IS Reservation Fee	-	-	-	-	-	-	-
100 UFT Fixed Dollar Amount	6	2,782	167	-	1,800	-	-
101 UFT Variable Service Amt	0	154	9	-	100	-	-
102 TGT Firm Demand	-	-	-	-	-	12,421	-
103 O&M Non-Federal Facility	-	603	1	36	-	-	-
104 O&M Federal Facility	-	299	1	18	-	-	-
105 PTP Reservation Fee	-	2,305	-	-	-	-	-
106 CF Reservation Fee	-	-	-	-	-	-	-
107 Failure to Comply Penalty	-	-	-	-	-	-	-
108 SINT AC Non Federal O&M	-	-	-	-	1,695	-	-
109 SINT AC Non Fed Replacements	-	-	-	-	-	-	-
110 Power Factor Penalty Lagging	-	-	-	-	-	-	-
111 Power Factor Penalty Leading	-	-	-	-	-	-	-
112 PFP Lagging Ratchet	-	-	-	-	-	-	-
113 PFP Leading Ratchet	-	-	-	-	-	-	-
114 DSI Delivery Charge	-	-	-	2,633	-	-	-
115 PCS Wireless Leases	53	3,204	6	6	466	61	679
116 PCS Construction	33	2,012	4	3	293	38	427
117 PCS Operations & Maintenance	4	227	0	0	33	4	48
118 Fiber Leases	101	6,121	12	11	891	116	1,298
119 Fiber Operations & Maintenance	10	580	1	1	84	11	123
120 Land Use/Lease/Sale	3	155	0	0	23	3	33
121 Misc Leases	1	74	0	0	11	1	16
122 Right-Of-Way Lease	1	57	0	0	8	1	12
123 COE/BOR Project Revenue	-	-	-	-	-	-	-
124 3rd AC RAS Generation Dropping	-	-	-	-	22	-	-
125 AC RAS Load Tripping	-	-	-	-	19	-	-
126 Transmission Share of IPP	-	246	-	-	-	-	-
127 Use of Communication Equipmt	2	96	0	0	14	2	20
128 FPS Real Power Losses	-	-	-	-	-	-	-
129 Amort NonFed PNW AC Intertie	-	-	-	-	3,325	-	-
130 Transmission Processing Fee	-	168	-	-	-	-	-
131 Subtotal FY 2017	213	19,082	202	2,709	8,783	12,658	2,656

Table 3
Segmented Revenue Requirement Adjustments
(\$000/yr)

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	Generation Integration	Network	Intertie		Delivery Utility	Industry	Ancillary Services
			Southern	Eastern			
1 FY 2016							
2 Unadjusted Costs (Table 1).....	12,382	671,349	96,923	12,042	2,648	1,675	277,270
3 Revenue Credits (Table 2).....	-214	-19,416	-8,787	-12,658	-202	-2,709	-2,662
4 WECC Costs 1/.....	0	0	0	0	0	0	-2,326
5 Peak Costs 1/.....	0	0	0	0	0	0	-2,697
6 IM Tx Revenues.....	0	0	0	-115	0	0	0
7 NT Federal Redispatch Credit 1/.....	0	-160	0	0	0	0	0
8 NT Nonfederal Redispatch Credit 1/.....	0	0	0	0	0	0	0
9 Eastern Intertie Adjustment 2/.....	-11	-614	-80	732	-1	-1	-24
10 Industry Delivery Adjustment 2/.....	-15	-871	-113	0	-2	1,035	-34
11 Total	12,142	650,287	87,943	0	2,443	0	269,526
12 FY 2017							
13 Unadjusted Costs (Table 1).....	12,312	675,350	107,262	11,888	2,675	1,680	284,607
14 Revenue Credits (Table 2).....	-213	-19,082	-8,783	-12,658	-202	-2,709	-2,656
15 WECC Costs 1/.....	0	0	0	0	0	0	-2,363
16 Peak Costs 1/.....	0	0	0	0	0	0	-2,741
17 IM Tx Revenues.....	0	0	0	-115	0	0	0
18 NT Firm Redispatch Credit 1/.....	0	-160	0	0	0	0	0
19 NT Nonfederal Redispatch Credit 1/.....	0	0	0	0	0	0	0
20 Eastern Intertie Adjustment 2/.....	-11	-722	-116	884	-1	-1	-32
21 Industry Delivery Adjustment 2/.....	-13	-842	-135	0	-2	1,030	-38
22 Total	12,074	654,543	98,228	0	2,470	0	276,776

Table 3
Segmented Revenue Requirement Adjustments
(\$000/yr)

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
	Generation Integration	Network	Intertie		Delivery		Ancillary Services	
			Southern	Eastern	Utility	Industry		
23	Average FY 2016 and FY 2017							
24	Unadjusted Costs (Table 1).....	12,347	673,349	102,092	11,965	2,662	1,678	280,938
25	Revenue Credits (Table 2).....	-214	-19,249	-8,785	-12,658	-202	-2,709	-2,659
26	WECC Costs 1/.....	0	0	0	0	0	0	-2,345
27	Peak Costs 1/	0	0	0	0	0	0	-2,719
28	IM Tx Revenues.....	0	0	0	-115	0	0	0
29	NT Firm Redispatch Credit 1/.....	0	-160	0	0	0	0	0
30	NT Nonfederal Redispatch Credit 1/.....	0	0	0	0	0	0	0
31	Eastern Intertie Adjustment 2/.....	-11	-668	-98	808	-1	-1	-28
32	Industry Delivery Adjustment 2/.....	-14	-857	-124	0	-2	1,033	-36
33	Total	12,108	652,415	93,085	0	2,457	0	273,151

1/ NT Redispatch Credit adjustments are for NT Redispatch costs that are 100% assignable to NT Service.

2/ Eastern Intertie, Industry Delivery, and Utility Delivery adjustments (cost - revenue) segmented on Table 1 net plant percentages.

Table 4
Long-term Transmission Sales
(MegaWatts)

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
Transmission Rate Schedule	MWs	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
1 Network														
2 FY 2016														
3 Formula Power Transmission -- 1 Year	m_cd	917	917	917	917	917	917	917	917	917	917	917	917	917
4 Formula Power Transmission -- 3 Year		66	76	87	87	79	73	69	68	63	65	67	66	72
5 Integration of Resources (IR)	m_cd	266	266	266	266	266	266	266	266	266	266	266	266	266
6 PTP	m_cd	26,412	26,367	26,367	27,114	27,114	27,114	27,114	27,099	27,099	27,048	27,049	27,049	26,912
7 PTP SDD	m_cd	-536	-536	-536	-536	-536	-536	-536	-536	-536	-536	-536	-536	-536
8 Point to Point (PTP)	m_cd	25,876	25,831	25,831	26,578	26,578	26,578	26,578	26,563	26,563	26,512	26,513	26,513	26,376
9 Point to Point (PTP) w/o SDD	m_cd	26,412	26,367	26,367	27,114	27,114	27,114	27,114	27,099	27,099	27,048	27,049	27,049	26,912
10 PTP to Which SCD Charges Do Not Apply	m_cd	-68	-68	-68	-68	-68	-68	-68	-68	-68	-68	-68	-68	-68
11 NT SDD EXPECTATION	m_cp	-120	-118	-118	-118	-118	-118	-120	-120	-120	-120	-120	-120	-119
12 NT Coincident with Transmission Peak (CP):														
13 Network Load Service	m_cp	5,831	6,906	7,980	7,549	7,226	6,562	5,881	5,462	5,826	6,295	6,270	5,736	6,460
14 Network Transmission (NT) (Including SDD)	m_cp	5,712	6,788	7,862	7,431	7,108	6,444	5,761	5,342	5,706	6,176	6,150	5,617	6,341
15 Annual peak	a_cp													7,862
16 NT Coincident with Customer Peak (NCP):														
17 Network Load Service	m_ncp	6,997	7,988	8,874	8,892	8,402	7,761	7,364	6,654	6,572	7,036	6,932	6,525	7,500
18 Network Transmission (NT) (Including SDD)	m_ncp	6,878	7,870	8,755	8,774	8,284	7,643	7,244	6,534	6,452	6,916	6,812	6,405	7,381
19 Annual peak	a_ncp													8,774
20 Subtotal FY 2016		32,956	33,996	35,080	35,396	35,065	34,395	33,710	33,275	33,634	34,055	34,032	33,498	34,091

Table 4
Long-term Transmission Sales
(MegaWatts)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
	Transmission Rate Schedule	MWs	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
21	FY 2017														
22	Formula Power Transmission -- 1 Year	m_cd	917	917	917	917	917	917	917	917	917	884	884	884	909
23	Formula Power Transmission -- 3 Year		66	76	87	87	79	73	69	68	63	65	67	66	72
24	Integration of Resources (IR)	m_cd	266	266	266	266	266	266	266	266	266	266	266	266	266
25	PTP	m_cd	27,047	27,047	27,097	27,157	27,157	27,157	27,157	27,157	27,157	27,189	27,282	27,282	27,157
26	PTP SDD	m_cd	-536	-536	-536	-537	-537	-537	-537	-537	-537	-537	-537	-537	-537
27	Point to Point (PTP)	m_cd	26,511	26,511	26,561	26,620	26,620	26,620	26,620	26,620	26,620	26,652	26,745	26,745	26,620
28	Point to Point (PTP) w/o SDD	m_cd	27,047	27,047	27,097	27,157	27,157	27,157	27,157	27,157	27,157	27,189	27,282	27,282	27,157
29	PTP to Which SCD Charges Do Not Apply	m_cd	-66	-66	-66	-66	-66	-66	-66	-66	-66	-66	-66	-66	-66
30	NT SDD EXPECTATION	m_cp	-120	-118	-118	-118	-118	-118	-120	-120	-120	-120	-120	-120	-119
31	NT Coincident with Transmission Peak (CP):														
32	Network Load Service	m_cp	5,889	6,966	8,041	7,603	7,302	6,594	5,929	5,501	5,859	6,335	6,327	5,793	6,512
33	Network Transmission (NT) (Including SDD)	m_cp	5,769	6,847	7,922	7,485	7,184	6,476	5,809	5,381	5,740	6,215	6,207	5,673	6,392
34	Annual peak	a_cp													7,922
35	NT Coincident with Customer Peak (NCP):														
36	Network Load Service	m_ncp	7,065	8,056	8,942	8,955	8,492	7,801	7,423	6,705	6,618	7,085	6,999	6,591	7,561
37	Network Transmission (NT) (Including SDD)	m_ncp	6,945	7,938	8,824	8,836	8,374	7,683	7,303	6,585	6,498	6,965	6,880	6,471	7,442
38	Annual peak	a_ncp													8,836
39	Subtotal FY 2016		33,648	34,735	35,871	35,492	35,184	34,470	33,801	33,372	33,725	34,202	34,289	33,754	34,379

Table 4
Long-term Transmission Sales
(MegaWatts)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
Transmission Rate Schedule	MW	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	
40 Network Average for Rate Period															
41 Formula Power Transmission -- 1 Year	m_cd	917	917	917	917	917	917	917	917	917	901	901	901	913	
42 Formula Power Transmission -- 3 Year		66	76	87	87	79	73	69	68	63	65	67	66	72	
43 Integration of Resources (IR)	m_cd	266	266	266	266	266	266	266	266	266	266	266	266	266	
44 Point to Point (PTP) with SDD	m_cd	26,193	26,171	26,196	26,599	26,599	26,599	26,599	26,591	26,591	26,582	26,629	26,629	26,498	
45 Point to Point (PTP) w/o SDD	m_cd	26,730	26,707	26,732	27,136	27,136	27,136	27,136	27,128	27,128	27,119	27,166	27,166	27,035	
46 PTP to Which SCD Charges Do Not Apply	m_cd	-67	-67	-67	-67	-67	-67	-67	-67	-67	-67	-67	-67	-67	
47 NT Coincident with Transmission Peak (CP):															
48 Network Load Service	m_cp	5,860	6,936	8,010	7,576	7,264	6,578	5,905	5,482	5,843	6,315	6,298	5,765	6,486	
49 Network Transmission (NT) (Including SDD)	m_cp	5,740	6,818	7,892	7,458	7,146	6,460	5,785	5,362	5,723	6,195	6,178	5,645	6,367	
50 Annual peak														7,892	
51 NT Coincident with Customer Peak (NCP):															
52 Network Load Service	m_ncp	7,031	8,022	8,908	8,923	8,447	7,781	7,394	6,679	6,595	7,060	6,966	6,558	7,530	
53 Network Transmission (NT) (Including SDD)	m_ncp	6,911	7,904	8,789	8,805	8,329	7,663	7,274	6,559	6,475	6,941	6,846	6,438	7,411	
54 Annual peak	a_ncp													8,805	
55 Subtotal Network		33,302	34,365	35,476	35,444	35,125	34,433	33,756	33,323	33,680	34,128	34,160	33,626	34,235	
56 Southern Intertie															
57 FY 2016															
58 IS CONFIRMED	m_cd	6,083	6,056	5,892	5,907	5,907	5,907	5,907	5,922	5,922	5,922	5,922	5,922	5,939	
59 IS EXPECTATION	m_cd	0	0	0	0	0	0	0	0	0	0	0	0	0	
60 Subtotal FY 2016	m_cd	6,083	6,056	5,892	5,907	5,907	5,907	5,907	5,922	5,922	5,922	5,922	5,922	5,939	
61 FY 2017															
62 IS CONFIRMED	m_cd	5,922	5,922	5,922	6,042	6,042	6,042	6,042	6,042	6,042	6,042	6,042	6,042	6,012	
63 IS EXPECTATION	m_cd	0	0	0	0	0	0	0	0	0	0	0	0	0	
64 Subtotal FY 2017	m_cd	5,922	5,922	5,922	6,042	6,042	6,042	6,042	6,042	6,042	6,042	6,042	6,042	6,012	
65 Southern Intertie Average for Rate Period															
66 Subtotal Southern Intertie (IS)	m_cd	6,003	5,989	5,907	5,974	5,975	5,975	5,975	5,982	5,982	5,982	5,982	5,982	5,976	
67 Montana Intertie															
68 FY 2016															
69 Montana Intertie (IM)	m_cd	16	16	16	16	16	16	16	16	16	16	16	16	16	
70 FY 2017															
71 Montana Intertie (IM)	m_cd	16	16	16	16	16	16	16	16	16	16	16	16	16	
72 Montana Intertie Average for Rate Period	m_cd	16	16	16	16	16	16	16	16	16	16	16	16	16	

m_cd = Monthly Contract Demand; m_cp = Monthly Coincidental Peak; a_cp = Annual Coincidental Peak; m_ncp = Monthly Non-Coincidental Peak; a_ncp = Annual Non-Coincidental Peak

Table 5
Short-term Transmission Sales

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
	Short-term Product	Units	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Annual
1	Days in Month		31	30	31	31	29	31	30	31	30	31	31	30	
2	Network (PTP only short-term)						2017 only	28							
3	FY 2016 1/														
4	Monthly/Weekly/Daily Block1	MW-days	0	0	165	2,535	560	8,260	7,040	18,365	37,190	19,200	370	100	93,785
5	Monthly/Weekly/Daily Block2	MW-days	5	5	330	2,215	2,320	3,535	13,450	44,380	47,070	15,275	1,320	45	129,950
6	Hourly	MWh	26,832	54,936	201,504	201,480	337,896	247,920	378,336	263,520	700,416	454,176	225,648	16,632	3,109,296
7	Monthly/Weekly/Daily Block1	m_cd	0	0	5	82	19	266	235	592	1,240	619	12	3	256
8	Monthly/Weekly/Daily Block2	m_cd	0	0	11	71	80	114	448	1,432	1,569	493	43	2	355
9	Hourly	m_cd	36	76	271	271	485	333	525	354	973	610	303	23	355
10	Subtotal FY 2016	m_cd	36	76	287	424	585	714	1,208	2,378	3,781	1,723	358	28	967
11	FY 2017 1/														
12	Monthly/Weekly/Daily Block1	MW-days	0	0	80	2,480	550	8,270	7,015	18,105	36,660	19,115	200	100	92,575
13	Monthly/Weekly/Daily Block2	MW-days	5	5	175	2,055	2,295	3,525	13,380	43,965	46,470	15,075	720	30	127,700
14	Hourly	MWh	26,664	55,032	194,880	195,192	337,656	247,776	375,552	245,712	684,264	443,424	208,008	15,816	3,029,976
15	Monthly/Weekly/Daily Block1	m_cd	0	0	3	80	20	267	234	584	1,222	617	6	3	253
16	Monthly/Weekly/Daily Block2	m_cd	0	0	6	66	82	114	446	1,418	1,549	486	23	1	349
17	Hourly	m_cd	36	76	262	262	502	333	522	330	950	596	280	22	348
18	Subtotal FY 2017	m_cd	36	77	270	409	604	714	1,201	2,333	3,721	1,699	309	26	950
19	Rate Period														
20	Monthly/Weekly/Daily Block1	m_cd	0	0	4	81	19	267	234	588	1,231	618	9	3	255
21	Monthly/Weekly/Daily Block2	m_cd	0	0	8	69	81	114	447	1,425	1,559	490	33	1	352
22	Hourly	m_cd	36	76	266	267	494	333	524	342	962	603	291	23	351
23	Subtotal Rate Period	m_cd	36	77	278	416	594	714	1205	2355	3751	1711	334	27	958
24	Rate Design 2/	m_cd	76	161	573	742	1146	1187	1875	2967	5301	2621	658	53	1,447

Table 5
Short-term Transmission Sales

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
	Short-term Product	Units	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Annual
1	Days in Month		31	30	31	31	29	31	30	31	30	31	31	30	
25	Southern Intertie						28								
26	FY 2016 1/														
27	Monthly/Weekly/Daily Block1	MW-days	25	100	255	90	0	845	1,490	2,945	3,425	6,310	5,610	45	21,140
28	Monthly/Weekly/Daily Block2	MW-days	520	680	1,140	710	1,240	2,140	1,730	2,155	2,080	2,980	2,325	130	17,830
29	Hourly	MWh	19,872	27,600	27,648	26,832	15,336	51,000	83,952	105,888	194,784	111,456	40,584	114,936	819,888
30	Monthly/Weekly/Daily Block1	m_cd	1	3	8	3	0	27	50	95	114	204	181	2	57
31	Monthly/Weekly/Daily Block2	m_cd	17	23	37	23	43	69	58	70	69	96	75	4	49
32	Hourly	m_cd	27	38	37	36	22	69	117	142	271	150	55	160	94
33	Subtotal FY 2016	m_cd	44	64	82	62	65	165	224	307	454	449	311	165	199
34	FY 2017 1/														
35	Monthly/Weekly/Daily Block1	MW-days	30	100	265	90	0	865	1,475	2,910	3,385	6,300	5,575	45	21,040
36	Monthly/Weekly/Daily Block2	MW-days	605	765	1,185	690	1,165	2,210	1,715	2,130	2,050	2,970	2,315	130	17,930
37	Hourly	MWh	23,856	31,704	29,616	27,408	15,168	54,576	86,352	108,624	199,632	115,392	41,856	118,536	852,720
38	Monthly/Weekly/Daily Block1	m_cd	1	3	9	3	0	28	49	94	113	203	180	2	57
39	Monthly/Weekly/Daily Block2	m_cd	20	26	38	22	40	71	57	69	68	96	75	4	49
40	Hourly	m_cd	32	44	40	37	22	73	120	146	277	155	56	165	97
41	Subtotal FY 2017	m_cd	53	73	87	62	62	173	226	309	458	454	311	170	203
42	Rate Period														
43	Monthly/Weekly/Daily Block1	m_cd	1	3	8	3	0	28	49	94	114	203	180	2	57
44	Monthly/Weekly/Daily Block2	m_cd	18	24	38	23	41	70	57	69	69	96	75	4	49
45	Hourly	m_cd	29	41	38	36	22	71	118	144	274	152	55	162	95
46	Subtotal Rate Period	m_cd	48	69	84	62	63	169	225	308	456	452	311	168	201
47	Rate Design 2/	m_cd	81	115	130	103	87	258	375	504	803	701	444	347	329

1/ Values based on market and streamflow estimates combined with historical trends

2/ Rate Design adjusted MW = 7/5 * block 1 MW plus block 2 MW plus 7/5 * 24/16 * hourly MW

m_cd = Monthly Contract Demand (average), i.e. MW-days divided by days in month, MWh divided by hours in month

Table 6
Calculation of Formula Power Transmission Rates

(A)	(B) Source	(C) Sales MegaWatts (MW)	(D) Revenues \$000/yr	(E) Percent	(F) Network Rates \$/kW-mo
1	Transmission revenues from current rates				
2	Formula Power Transmission (FPT) sales	Table 4, Line 41 (O)	985		
3	FY16 FPT Revenues /1	Revenue forecast	18,782		
4	FY17 FPT Revenues /1	Revenue forecast	<u>18,683</u>		
5	Average FPT revenues	(Line 3 + line 4) / 2	18,733		
6	Current unit cost	Line 2 / line 5			1.585
7	Current PTP/IR rate plus Ancillary Services	Table 11, lines 36, 64 and 69 (D)			1.736
8	Transmission revenues:				
9	Assuming FPT3 rate increase in 2016				
10	FY 2016-2017 PTP/IR rate plus Ancillary Services	Table 11, lines 36, 64 and 69 (E)			1.790
11	Rate increase (PTP/IR rate + Ancillary)	(Line 10 - line 7) / line 7		3.1%	
12	Unit cost	Line 6 * (1 + line 11)			1.634
13	FPT revenues	Line 2 * line 12 * 12	19,315		
14	PTP/IR rate	Table 11, line 36 (E)			1.489
15	Transmission percent of total	Line 14 / line 10		83.2%	
16	Network transmission	Line 15 * line13	16,067		
17	Ancillary service percent of total	100% - line 15		16.8%	
18	FPT portion of Scheduling Control & Dispatch	Line 13 - line 16	3,248		
19	FPT portion of Generation Supplied Reactive		0		
20	BP-14 Transmission percent of FY2016 FPT3 Revenues	BP-14 Rates Model, Table 9, line 14		85.2%	
21	FPT1 Revenues, FY2016	Table 4, Line 3 (O) * Line12 * 12	17,979		
22	FPT3 Revenues, FY2016	Table 4, Line 4 (O) * Line12 * 12	<u>1,373</u>		
23	Total FY2016 Revenues	Line 21 + line 22	19,352		
24	FPT1 Revenues, FY2017	Table 4, Line 22 (O) * Line12 * 12	17,821		
25	FPT3 Revenues, FY2017	Table 4, Line 23 (O) * Line12 * 12	<u>1,415</u>		
26	Total FY2017 Revenues	Line 24 + line 25	19,237		
27	Network transmission portion of FY2016 FPT1 Revenue	Line 15 * line 21	14,956		
28	Network transmission portion of FY2016 FPT3 Revenue	Line 15 * line 22	<u>1,169</u>		
29	Total Network Transmission portion of FY2016 FPT Revenue	Line 27 + line 28	16,125		

Table 6
Calculation of Formula Power Transmission Rates

(A)	(B) Source	(C) Sales MegaWatts (MW)	(D) Revenues \$000/yr	(E) Percent	(F) Network Rates \$/kW-mo
30	Network transmission portion of FY2017 FPT1 Revenue	Line 15 * line 24	14,824		
31	Network transmission portion of FY2017 FPT3 Revenue	Line 15 * line 25	1,177		
32	Total Network Transmission portion of FY2017 FPT Revenue	Line 30 + line 31	<u>16,002</u>		
33	Average Annual Network Transmission Revenues	(Line 29 + line 32) / 2	16,064		
34	SCD Portion of of FY2016 FPT1 revenue	Line 21 - line 27	3,023		
35	SCD Portion of of FY2016 FPT3 revenue	Line 22 - line 28	<u>203</u>		
36	Total SCD Portion of FY2016 FPT Revenue	Line 34 + line 35	3,227		
37	SCD Portion of of FY2017 FPT1 revenue	Line 24 - line 30	2,997		
38	SCD Portion of of FY2017 FPT3 revenue	Line 25 - line 31	<u>238</u>		
39	Total SCD Portion of FY2017 FPT Revenue	Line 37 + line 38	3,235		
40	Average Annual SCD Revenues	(Line 36 + line 39) / 2	3,231		

/1 Based on revenue forecast of FPT contracts active in the FY2016-17 time frame

Table 7
Calculation of PTP, IR, and NT Rates

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	FY 2016/2017	Source	Costs	Sales	Percentage	Rates	Revenues
1	Network costs		\$000/Yr	aMW			
2	Segmented Network costs	Table 3, line 33 (C)	652,415				
3	Less: FPT transmission revenues	Table 6, line 33 (D)	16,064				
4	Net costs	Line 2 - line 3	<u>636,351</u>				
5	Network sales (IR, PTP, NT)						
6	Integration of Resources (IR)	Table 4, line 43 (O)		266			
7	Point to point (PTP) w/o SDD	Table 4, line 45 (O)		27,035			
8	Point to point (PTP) with SDD	Table 4, line 44 (O)		26,498			
9	Network Integration w/o SDD (12 CP average peak)	Table 4, line 48 (O)		6,486			
10	Network Integration with SDD (12CP average peak)	Table 4, line 49 (O)		6,367			
11	Annual peak (1 CP)	Table 4, line 50 (O)		7,892			
12	Network Integration w/o SDD (12 NCP Average peak)	Table 4, line 58 (O)		7,530			
13	Network Integration with SDD (12 NCP Average peak)	Table 4, line 53 (O)		7,411			
14	Annual Noncoincidental Peak (1NCP)	Table 4, line 54 (O)		8,805			
15	Daily block 1 (day 1 through 5)	Table 5, line 20 (O)		255			
16	Daily block 2 (day 6 and beyond)	Table 5, line 21 (O)		352			
17	Hourly	Table 5, line 22 (O)		351			
18	Sales used for cost allocation						
19	IR Contracts	Line 6		266			
20	NT load (12NCP average peak)	Line 13		7,411			
21	PTP Contracts (with SDD)	Line 7		26,498			
22	Daily block 1 (day 1 through 5)	Line 15 x (7/5)		356			
23	Daily block 2 (day 6 and beyond)	Line 16		352			
24	Hourly	Line 17 x (7/5) x (24/16)		738			
25	Total cost allocation sales -- Reserved capacity contracts	Sum of lines 19 through 24		<u>35,622</u>			

Table 7
Calculation of PTP, IR, and NT Rates

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	FY 2016/2017	Source	Costs	Sales	Percentage	Rates	Revenues
26	Sales allocation percentages:						
27	IR contract demand	Line 6		266			
28	Total cost allocation sales	Line 25		35,622			
29	IR Percentage	Line 27 / line 28			0.75%		
30	PTP contract demand	Line 8 + lines 22 through 24		27,945			
31	Total cost allocation sales	Line 25		35,622			
32	PTP Percentage	Line 30 / line 31			78.45%		
33	NT Load	Line 13		7,411			
34	Total cost allocation sales	Line 25		35,622			
35	NT Percentage	Line 33 / line 34			20.81%		
36	Application of Revenue Requirements to Products:						
37	IR rate calculation:						
38	Total segment costs	Line 4	636,351				
39	IR cost allocation percentage	Line 29			0.75%		
40	Allocated IR costs	Line 38 x line 39	4,752				
41	IR Billing Factor (= IR contract demand)	Line 27		266			
42	IR annual rate (\$/kW-yr)	Line 40 / line 41				17.86	
43	Monthly (\$/kW-mo)	Line 42 / 12				1.489	
44	PTP rate calculation:						
45	Total segment costs	Line 4	636,351				
46	PTP cost allocation percentage	Line 32			78.45%		
47	Allocated PTP costs	Line 45 x line 46	499,205				
48	PTP Billing factor (= PTP contract demand)	Line 30		27,945			
49	PTP annual rate (\$/kW-yr)	Line 47 / line 48				17.86	
50	Monthly (\$/kW-mo)	Line 49 / 12				1.489	
51	Daily block1 (\$/kW-day)	Line 49 / (365.5) x (7/5)				0.068	
52	Daily block2 (\$/kW-day)	Line 49 / (365.5)				0.049	
53	Hourly (mills/kWh)	Line 49 / (8.772) x (7/5) x (24/16)				4.28	

Table 7
Calculation of PTP, IR, and NT Rates

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	FY 2016/2017	Source	Costs	Sales	Percentage	Rates	Revenues
54	NT rate calculation:						
55	Total segment costs	Line 4	636,351				
56	NT cost allocation percentage	Line 35			20.81%		
57	Allocated NT costs	Line 55 x line 56	132,395				
58	NT federal redispatch costs	Table 3, line 29 (C)	160				
59	NT non-federal redispatch costs	Table 3, line 30 (C)	-				
60	Total NT costs	Sum of lines 57 through 59	<u>132,555</u>				
61	NT Billing Factor (= NT 12 CP Average Peak load)	Line 10		6,367			
62	NT annual rate (\$/kW-yr)	Line 60 / line 61				20.82	
63	Monthly (\$/kW-mo)	Line 62 / 12				1.735	
64	Short distance discount forecast						
65	NT reduction (credit) from SDD	(Line 9 - line 10) x line 62	2,481				
66	PTP reduction (credit) from SDD	(Line 7 - line 8) x line 49	<u>9,588</u>				
67	Total SDD credit	Line 65 + line 66	<u>12,069</u>				

Table 8
Calculation of Intertie Rates

	(A)	(B)	(C)	(D)	(E)
	FY 2016/2017	Source	Costs	Sales	Rates
			\$000/Yr	aMW	
1	Intertie Costs				
2	Rate Development Costs	Table 3, line 33 (D)	93,085		
3	Southern Intertie Sales				
4	Long-term agreements	Table 4, line 66 (O)		5,976	
5	Short-term daily block 1	Table 5, line 43 (O)		57	
6	Short-term daily block 2	Table 5, line 44 (O)		49	
7	Hourly	Table 5, line 45 (O)		95	
8	Sales used for cost allocation				
9	Long-term agreements	Line 4		5,976	
10	Daily block 1 (day 1 through 5)	Line 5 x (7/5)		80	
11	Daily block 2 (day 6 and beyond)	Line 6		49	
12	Hourly	Line 7 x (7/5) x (24/16)		200	
13	Total cost allocation sales	Sum of lines 9 through 12		6,305	
14	IS rate calculation				
15	Annual (\$/kW-yr)	Line 2 / line 13			14.76
16	Monthly (\$/kW-mo)	Line 15 / (12)			1.230
17	Daily block1 (\$/kW-day)	Line 15 / (365.5) x (7/5)			0.057
18	Daily block2 (\$/kW-day)	Line 15 / (365.5)			0.040
19	Hourly (mills/kWh)	Line 15 / (8.772) x (7/5) x (24/16)			3.53

**Table 8
Calculation of Intertie Rates**

	(A)	(B)	(C)	(D)	(E)
	FY 2016/2017	Source	Costs	Sales	Rates
			\$000/Yr	aMW	
20					
21	IM rate calculation				
22	Eastern Intertie Costs	Montana Intertie Agreement	12,536		
23	IM Sales	Table 4, line 71 (O)		16	
24	TGT Sales	Montana Intertie Agreement		1,730	
25	Total Sales	Line 23 + line 24		<u>1,746</u>	
26	BPA Annual Share of Costs	Line 22 x (line 23 / line 25)	115		
27	Annual (\$/kW-yr)	Line 26 / line 23			7.18
28	Monthly (\$/kW-mo)	Line 27 / (12)			0.598
29	Daily block1 (\$/kW-day)	Line 27 / (365.5) x (7/5)			0.028
30	Daily block2 (\$/kW-day)	Line 27 / (365.5)			0.020
31	Hourly (mills/kWh)	Line 27 / (8.772) x (7/5) x (24/16)			1.72
32	IM Revenue	Line 23 x line 27		115	
33	IE Rate Calculation				
34	Eastern Intertie Segment Costs	Table 1, line 27 (F)	11,965		
35	Firm Transmission Rights	Montana Intertie Agreement		1,930	
36	Hourly rate (mills/kWh)	Line 34 / line 35 / (8.772) x (7/5) x (24/16)			1.48

Table 9
Calculation of Utility Delivery Rate

	(A)	(B)	(C)	(D)	(E)	(F)
	FY 2016/2017	Units	Source	Costs	Sales	Rates
	Utility Delivery Charge (Full Recovery)					
1	Annual Costs	\$000/Yr	Table 3, line 33 (F)	2,457		
2	FY16 Billing Factor	m_cp	Sales Forecast		158.96	
3	FY17 Billing Factor	m_cp	Sales Forecast		<u>159.66</u>	
4	Average over Rate Period	m_cp	(Line 2 + line 3) / 2		159.31	
5	Annual Rate	\$/kW-yr	Line 1 / line 4			15.42
6	Monthly Rate	\$/kW-mo	Line 5 / 12			1.285

Table 10.1
Calculation of Ancillary Service Rates

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	FY 2016/2017	Source	FY16	FY17	FY16/17	Sales	Percentage	Rates	Units
			\$000/Yr	\$000/Yr	\$000/Yr	(MW)			
1	Scheduling, System Control & Dispatch								
2	Direct O&M	Rev Rqmt	68,057	68,953	68,505				
3	Overheads	Rev Rqmt	57,791	59,843	58,817				
4	Total O&M		125,848	128,796	127,322				
5	Depreciation	Rev Rqmt	28,124	31,617	29,870				
6	Financing costs	Rev Rqmt	4,432	5,155	4,793				
7	Planned net revenue	Rev Rqmt	2,640	2,811	2,726				
8	Total segmented SCD		161,043	168,380	164,711				
9	Revenue Credits	Table 3, lines 3 (H) & 14 (H)	-2,662	-2,656	-2,659				
10	WECC Costs	Table 3, lines 4 (H) & 15 (H)	-2,326	-2,363	-2,345				
11	Peak Costs	Table 3, lines 5 (H) & 16 (H)	-2,697	-2,741	-2,719				
12	Eastern Intertie Adjustment	Table 3, lines 9 (H) & 20 (H)	-24	-32	-28				
13	Industry Delivery Adjustment	Table 3, lines 10 (H) & 21 (H)	-34	-38	-36				
14	Subtotal SCD Costs	Sum of lines 8 through 13	153,299	160,549	156,924				
15	FPT revenue for SCD	Table 6, line 40 (D)			3,231				
16	Net SCD Costs	Line 14 - line 15			153,693				
17	Sales Used for Cost Allocation								
18	IR contract demand	Table 4, line 43 (O)				266			
19	PTP contract demand w/o SDD	Table 4, line 45 (O)				26,968			
20	Network Load Service	Table 4, line 52 (O)				7,530			
21	Southern Intertie	Table 4, line 66 (O)				5,976			
22	Montana Intertie	Table 4, line 72 (O)				16			
23	Network Short-term	Table 5, line 24 (O)				1,447			
24	Intertie Short-term	Table 5, line 47 (O)				329			
25	Total Sales, SCD	Sum of lines 18 through 24				42,531			
26	Sales allocation percentages:								
27	IR sales	Line 18				266			
28	Total cost allocation sales	Line 25				42,531			
29	IR percentage	Line 27 / line 28					0.63%		
30	PTP (Network + Interties) sales	Sum of lines 19, 21, 22, 23, and 24				34,735			
31	Total cost allocation sales	Line 25				42,531			
32	PTP percentage	Line 30 / line 31					81.67%		
33	NT sales	Line 20				7,530			
34	Total cost allocation sales	Line 25				42,531			
35	NT percentage	Line 33 / line 34					17.71%		

**Table 10.1
Calculation of Ancillary Service Rates**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	FY 2016/2017	Source	FY16	FY17	FY16/17	Sales	Percentage	Rates	Units
36	Application of Revenue Requirements to Sales Products:								
37	IR rate calculation:								
38	Net SCD Costs	Line 16			153,693				
39	IR cost allocation percentage	Line 29					0.63%		
40	Allocated IR costs	Line 38 x line 39			961				
41	IR Billing factor	Line 27				266			
42	IR annual rate (\$/kW-year)	Line 40 / line 41						3.61	
43	IR monthly rate (\$/kW-month)	Line 42 / 12						0.301	
44	PTP (Network + Interties) rate calculation:								
45	Net SCD Costs	Line 16			153,693				
46	PTP cost allocation percentage	Line 32					81.67%		
47	Allocated PTP costs	Line 45 x line 46			125,520				
48	PTP Billing factor	Line 30				34,735			
49	PTP annual rate (\$/kW-year)	Line 47 / line 48						3.61	
50	PTP monthly rate (\$/kW-month)	Line 49 / 12						0.301	
51	Daily block 1	Line 49 / (365.5) x (7/5)						0.014	
52	Daily block 2	Line 49 / (365.5)						0.010	
53	Hourly	Line 49 / (8.772) x (7/5) x (24/16)						0.87	
54	NT rate calculation:								
55	Net SCD Costs	Line 16			153,693				
56	NT cost allocation percentage	Line 35					17.71%		
57	Allocated NT costs	Line 55 x line 56			27,212				
58	NT Billing factor	Line 20				6,486			
59	NT annual rate (\$/kW-year)	Line 57 / line 58						4.20	
60	NT monthly rate (\$/kW-month)	Line 59 / 12						0.350	
61	Rates								
62	For NT customers:								
63	Monthly	Line 60						0.350	\$/kW-mo
64	For PTP customers								
65	Annual	Line 49						3.61	\$/kW-yr
66	Monthly	Line 50						0.301	\$/kW-mo
67	Daily Block1 (day 1 through 5)	Line 51						0.014	\$/kW-day
68	Daily Block2 (day 6 and beyond)	Line 52						0.010	\$/kW-day
69	Hourly	Line 53						0.87	mills/kWh
70	Generation Supplied Reactive	No Rqmt	0	0	0			0	\$/kW-day

/1 See Generation Inputs Study for details about rates associated with Generation Inputs

**Table 10.2
Calculation of WECC/Peak Charge**

	(A)	(B)	(C)	(D)	(E)	(F)
	FY 2016/2017	Units	Source	Costs	Sales	Rates
WECC Charge						
1	Annual Costs	\$000/Yr	Table 3, line 26 (H)	2,345		
2	FY16 Billing Factor	MWh	Sales Forecast		51,323,340	
3	FY17 Billing Factor	MWh	Sales Forecast		52,866,693	
4	Average over Rate Period	MWh	(Line 2 + line 3) / 2		<u>52,095,016</u>	
5	Hourly Rate	Mills per kilowatthour	Line 1 / line 4			0.05
Peak Charge						
7	Annual Costs	\$000/Yr	Forecast	2,719		
8	FY16 Billing Factor	MWh	Sales Forecast		51,323,340	
9	FY17 Billing Factor	MWh	Sales Forecast		52,866,693	
10	Average over Rate Period	MWh	(Line 8 + line 9) / 2		<u>52,095,016</u>	
11	Hourly Rate	Mills per kilowatthour	Line 7 / line 10			0.05

Table 10.3
Summary of Current and Proposed Rates

	(A)	(B)	(C)	(D)	(E)
	Rate	Units	FY 2014-2015 Rates	FY 2016-2017 Rates	Percent Change
1	RFR-16				
2	Regulation and Frequency Response	mills/kWh	0.12	0.12	0.0%
3	VERBS-16				
4	Rate For Wind Committed to 30/60 Scheduling:				
5	Regulation	\$/kW-mo	0.08	0.08	0.0%
6	Following	\$/kW-mo	0.32	0.32	0.0%
7	Imbalance	\$/kW-mo	0.80	0.80	0.0%
8	Total VERBS	\$/kW-mo	1.20	1.20	0.0%
9	Rate For Wind Committed to 40/15 Scheduling:				
10	Regulation	\$/kW-mo	0.08	0.08	0.0%
11	Following	\$/kW-mo	0.32	0.32	0.0%
12	Imbalance	\$/kW-mo	0.54	0.54	0.0%
13	Total VERBS	\$/kW-mo	0.94	0.94	0.0%
14	Rate For Wind Committed to 30/30 Scheduling:				
15	Regulation	\$/kW-mo	0.08	N/A	N/A
16	Following	\$/kW-mo	0.32	N/A	N/A
17	Imbalance	\$/kW-mo	0.47	N/A	N/A
18	Total VERBS	\$/kW-mo	0.87	N/A	N/A
19	Rate For Wind Committed to 30/15 Scheduling:				
20	Regulation	\$/kW-mo	0.08	0.08	0.0%
21	Following	\$/kW-mo	0.32	0.32	0.0%
22	Imbalance	\$/kW-mo	0.33	0.33	0.0%
23	Total VERBS	\$/kW-mo	0.73	0.73	0.0%
24	Rate For Wind Committed to Self-Supply:				
25	Regulation	\$/kW-mo	0.00	0.08	N/A
26	Following	\$/kW-mo	0.00	0.32	N/A
27	Total VERBS	\$/kW-mo	0.00	0.40	N/A
28	Rate For Wind With Uncommitted Scheduling:				
29	Regulation	\$/kW-mo	0.08	0.08	0.0%
30	Following	\$/kW-mo	0.32	0.32	0.0%
31	Imbalance	\$/kW-mo	1.08	1.08	0.0%
32	Total VERBS	\$/kW-mo	1.48	1.48	0.0%
33	Rate For Solar:				
34	Regulation	\$/kW-mo	0.04	0.04	0.0%
35	Following	\$/kW-mo	0.17	0.17	0.0%
36	Imbalance	\$/kW-mo	0.00	0.00	0.0%
37	Total VERBS	\$/kW-mo	0.21	0.21	0.0%
38	DERBS-16				
39	Hourly rate <i>inc</i>	mills/kW-mo	18.15	18.15	0.0%
40	Hourly rate <i>dec</i>	mills/kW-mo	3.94	3.94	0.0%
41	OR-16				
42	Spinning reserves	mills/kWh	10.86	11.40	5.0%
43	Default rate	mills/kWh	12.49	13.11	5.0%
44	Supplemental reserves	mills/kWh	9.95	10.45	5.0%
45	Default rate	mills/kWh	11.44	12.02	5.1%

Table 11
Summary of FY 2014-2015 and FY 2016-2017 Rates

	(A)	(B)	(C)	(D)	(E)	(F)
	Rate	Units	Source for FY 2014-2015 rates	FY 2014-2015 Rates	FY 2016-2017 Rates	Percent Change
1	FPT.1-16					
2	M-G Distance	\$/kW-mi-yr	Current Rate * Table 6, line 11	0.0679	0.0700	3.1%
3	M-G Miscellaneous Facilities	\$/kW-yr	Current Rate * Table 6, line 11	3.87	3.99	3.1%
4	M-G Terminal	\$/kW-yr	Current Rate * Table 6, line 11	0.79	0.81	2.5%
5	M-G Interconnection Terminal	\$/kW-yr	Current Rate * Table 6, line 11	0.71	0.73	2.8%
6	S-S Transformation	\$/kW-yr	Current Rate * Table 6, line 11	7.30	7.53	3.2%
7	S-S Interconnection Terminal	\$/kW-yr	Current Rate * Table 6, line 11	2.00	2.06	3.0%
8	S-S Intermediate Terminal	\$/kW-yr	Current Rate * Table 6, line 11	2.82	2.91	3.2%
9	S-S Distance	\$/kW-mi-yr	Current Rate * Table 6, line 11	0.6676	0.6884	3.1%
10	Average FPT Rate (Revenue/Sales)	\$/kW-mo	Table 6, line 12	1.585	1.634	3.1%
11	FPT.3-16 -- FY 2016 Only					
12	M-G Distance	\$/kW-mi-yr	Current Rate	0.0679	0.0679	0.0%
13	M-G Miscellaneous Facilities	\$/kW-yr	Current Rate	3.87	3.87	0.0%
14	M-G Terminal	\$/kW-yr	Current Rate	0.79	0.79	0.0%
15	M-G Interconnection Terminal	\$/kW-yr	Current Rate	0.71	0.71	0.0%
16	S-S Transformation	\$/kW-yr	Current Rate	7.30	7.30	0.0%
17	S-S Interconnection Terminal	\$/kW-yr	Current Rate	2.00	2.00	0.0%
18	S-S Intermediate Terminal	\$/kW-yr	Current Rate	2.82	2.82	0.0%
19	S-S Distance	\$/kW-mi-yr	Current Rate	0.6676	0.6676	0.0%
20	Average FPT Rate (Revenue/Sales)	\$/kW-mo	Current Rate	1.585	1.585	0.0%

Table 11
Summary of FY 2014-2015 and FY 2016-2017 Rates

	(A)	(B)	(C)	(D)	(E)	(F)
	Rate	Units	Source for FY 2014-2015 rates	FY 2014-2015 Rates	FY 2016-2017 Rates	Percent Change
21	FPT.3-16 -- FY 2017 Only					
22	M-G Distance	\$/kW-mi-yr	Current Rate * Table 6, line 11	0.0679	0.0700	3.1%
23	M-G Miscellaneous Facilities	\$/kW-yr	Current Rate * Table 6, line 11	3.87	3.99	3.1%
24	M-G Terminal	\$/kW-yr	Current Rate * Table 6, line 11	0.79	0.81	2.5%
25	M-G Interconnection Terminal	\$/kW-yr	Current Rate * Table 6, line 11	0.71	0.73	2.8%
26	S-S Transformation	\$/kW-yr	Current Rate * Table 6, line 11	7.30	7.53	3.2%
27	S-S Interconnection Terminal	\$/kW-yr	Current Rate * Table 6, line 11	2.00	2.06	3.0%
28	S-S Intermediate Terminal	\$/kW-yr	Current Rate * Table 6, line 11	2.82	2.91	3.2%
29	S-S Distance	\$/kW-mi-yr	Current Rate * Table 6, line 11	0.6676	0.6884	3.1%
30	Average FPT Rate (Revenue/Sales)	\$/kW-mo	Table 6, line 12	1.585	1.634	3.1%
31	IR-16					
32	Demand	\$/kW-mo	Table 7, line 1 + Table 10, lines 66 & 70	1.736	1.790	3.1%
33	NT-16					
34	Demand	\$/kW-mo	Table 7, line 63	1.741	1.735	-0.3%
35	PTP-16					
36	Demand	\$/kW-mo	Table 7, line 50	1.479	1.489	0.7%
37	Daily Block 1 (day 1 thru 5)	\$/kW-day	Table 7, line 51	0.068	0.068	0.0%
38	Daily Block 2 (day 6 and beyond)	\$/kW-day	Table 7, line 52	0.049	0.049	0.0%
39	Hourly	mills/kWh	Table 7, line 53	4.26	4.28	0.5%
40	IS-16					
41	Demand	\$/kW-mo	Table 8, line 16	1.128	1.230	9.0%
42	Daily Block 1 (day 1 thru 5)	\$/kW-day	Table 8, line 17	0.052	0.057	9.6%
43	Daily Block 2 (day 6 and beyond)	\$/kW-day	Table 8, line 18	0.037	0.040	8.1%
44	Hourly	mills/kWh	Table 8, line 19	3.25	3.53	8.6%

Table 11
Summary of FY 2014-2015 and FY 2016-2017 Rates

	(A)	(B)	(C)	(D)	(E)	(F)
	Rate	Units	Source for FY 2014-2015 rates	FY 2014-2015 Rates	FY 2016-2017 Rates	Percent Change
45	IM-16					
46	Demand	\$/kW-mo	Table 8, line 28	0.598	0.598	0.0%
47	Daily Block 1 (day 1 thru 5)	\$/kW-day	Table 8, line 29	0.028	0.028	0.0%
48	Daily Block 2 (day 6 and beyond)	\$/kW-day	Table 8, line 30	0.020	0.020	0.0%
49	Hourly	mills/kWh	Table 8, line 31	1.72	1.72	0.0%
50	IE-16					
51	Eastern Intertie	mills/kWh	Table 8, line 36	1.23	1.48	20.3%
52	UD-16					
53	Demand	\$/kW-mo	Table 9, line 12	1.399	1.285	-8.1%
54	Power Factor Penalty Charge					
55	Demand -- Lagging	\$/kVAr-mo	Rate eliminated	0.28	0.00	-100.0%
56	Demand -- Leading	\$/kVAr-mo	Rate eliminated	0.24	0.00	-100.0%
57	WECC Charge - 16					
58	Demand	mills/kWh	Table 10.2, line 5	N/A	0.05	N/A
59	Peak Charge - 16					
60	Demand	mills/kWh	Table 10.2, line 11	N/A	0.05	N/A
61	SCD-16					
62	For NT customers	\$/kW-mo	Table 10, line 66	0.300	0.350	16.7%
63	For PTP customers:					
64	Demand	\$/kW-mo	Table 10, line 66	0.257	0.301	17.1%
65	Daily Block 1 (day 1 thru 5)	\$/kW-day	Table 10, line 67	0.012	0.014	16.7%
66	Daily Block 2 (day 6 and beyond)	\$/kW-day	Table 10, line 68	0.008	0.010	25.0%
67	Hourly	mills/kWh	Table 10, line 69	0.74	0.87	17.6%
68	GSR-16					
69	Demand	\$/kW-mo	Table 10.1, line 70	0.000	0.000	0.0%
70	Daily Block 1 (day 1 thru 5)	\$/kW-day	Table 10.1, line 70	0.000	0.000	0.0%
71	Daily Block 2 (day 6 and beyond)	\$/kW-day	Table 10.1, line 70	0.000	0.000	0.0%
72	Hourly	mills/kWh	Table 10.1, line 70	0.00	0.00	0.0%

Table 11
Summary of FY 2014-2015 and FY 2016-2017 Rates

	(A)	(B)	(C)	(D)	(E)	(F)
	Rate	Units	Source for FY 2014-2015 rates	FY 2014-2015 Rates	FY 2016-2017 Rates	Percent Change
73	RFR-14	mills/kWh	Table 10.3, line 2	0.12	0.12	0.0%
74	OR-14					
75	Operating Reserves, Spinning	mills/kWh	Table 10.3, line 42	10.86	11.40	5.0%
76	Operating Reserves, Spinning -- Default Rate	mills/kWh	Table 10.3, line 43	12.49	13.11	5.0%
77	Operating Reserves, Supplemental	mills/kWh	Table 10.3, line 44	9.95	10.45	5.0%
78	Operating Reserves, Supplemental -- Default	mills/kWh	Table 10.3, line 45	11.44	12.02	5.1%

Table 12
Revenue at FY 2014-2015 and FY 2016-2017 Rates

(A) Service	(B) Current		(C)	(D)	(E) Proposed		(F)	(G)	(H)
	FY 2014-2015 Rates		FY 2017	Average FYs 16&17	FY 2016-2017 Rates		FY 2017	Average FYs 16&17	Percent Change
	FY 2016				FY 2016				
1 Network Sales Revenues									
2 FPT 1	17,411	17,309		17,360	17,979	17,821	17,900	3.1%	
FPT 3	1,371	1,375		1,373	1,373	1,415	1,394	1.6%	
3 IR	5,541	5,541		5,541	5,714	5,714	5,714	3.1%	
4 BP-16 Transmission Ratio from table 6	83.2%								
BP-14 Transmission Ratio from table 6	85.2%								
5 FPT 1&3 Transmission Portion	16,002	15,918		15,960	16,098	16,002	16,050	0.6%	
6 IR Transmission Portion	4,721	4,721		4,721	4,753	4,753	4,753	0.7%	
7 NT_Base	132,481	133,551		133,016	132,025	133,090	132,557	-0.3%	
8 NT Ancillary Revenues	23,257	23,442		23,350	27,134	27,349	27,241	16.7%	
9 Subtotal NT Sale Revenues	155,739	156,992		156,366	159,158	160,439	159,799	2.2%	
10 PTP, Long-term	468,116	472,455		470,285	471,281	475,649	473,465	0.7%	
11 PTP LT Ancillary Revenues	82,787	83,549		83,168	96,961	97,853	97,407	17.1%	
12 PTP, Short-term	25,991	25,460		25,725	26,053	25,521	25,787	0.2%	
13 PTP ST Ancillary Revenues	4,466	4,375		4,420	5,318	5,209	5,263	19.1%	
14 Subtotal PTP Sale Revenues	581,360	585,839		583,599	599,612	604,233	601,922	3.1%	
15 Subtotal Network Transmission Revenues	647,310	652,104		649,707	650,209	655,015	652,612	0.4%	
16 Percent of total				85.0%			83.0%		
17 Subtotal Network Ancillary Revenues	114,112	114,952		114,532	133,627	134,607	134,117	17.1%	
18 Percent of total				15.0%			17.0%		
19 Total Network Sale Revenues	761,422	767,056		764,239	783,836	789,622	786,729	2.9%	
20 Intertie Sale Revenues									
21 IM, Long-term	115	115		115	115	115	115	0.0%	
22 IM LT Ancillary Revenues	49	49		49	58	58	58	17.1%	
23 IS, Long-term	80,391	81,378		80,885	87,661	88,737	88,199	9.0%	
24 IS LT Ancillary Revenues	18,316	18,541		18,429	21,452	21,715	21,584	17.1%	
25 IS, Short-term	4,424	4,529		4,476	4,812	4,927	4,869	8.8%	
26 IS ST Ancillary Revenues	1,003	1,027		1,015	1,188	1,216	1,202	18.4%	
27 Subtotal IS Sale Revenues	104,134	105,475		104,805	115,113	116,594	115,854	10.5%	
28 Subtotal Intertie Transmission Revenues	84,930	86,022		85,476	92,588	93,778	93,183	9.0%	
29 Subtotal Intertie Ancillary Revenues	19,369	19,617		19,493	22,697	22,989	22,843	17.2%	
30 Total Intertie Sale Revenues	104,298	105,639		104,969	115,285	116,767	116,026	10.5%	

Table 12
Revenue at FY 2014-2015 and FY 2016-2017 Rates

(A) Service	(B) Current		(C)	(D)	(E) Proposed		(F)	(G)	(H)
	FY 2014-2015 Rates		FY 2017	Average FYs 16&17	FY 2016-2017 Rates		FY 2017	Average FYs 16&17	Percent Change
	FY 2016				FY 2016				
31 Ancillary Revenues									
32 Long-term Scheduling, Control and Dispatch	101,153	102,139	101,646	118,471	119,626	119,049	17.1%		
33 Short-term Scheduling, Control and Dispatch	5,469	5,402	5,435	6,505	6,425	6,465	18.9%		
34 NT Scheduling, Control and Dispatch	23,257	23,442	23,350	27,134	27,349	27,241	16.7%		
35 Subtotal SCD Rate	129,879	130,983	130,431	152,110	153,400	152,755	17.1%		
36 FPT & IR SCD	3,601	3,586	3,594	4,215	4,196	4,205	17.0%		
37 Total SCD Revenue	133,480	134,569	134,025	156,325	157,595	156,960	17.1%		
38 Regulation and Frequency Response	6,241	6,224	6,233	6,241	6,224	6,233	0.0%		
39 VERBS (Wind -- 30/60 Scheduling)	8,006	8,006	8,006	8,006	8,006	8,006	0.0%		
40 VERBS (Wind -- 40/15 Scheduling)	-	-	-	-	-	-	N/A		
41 VERBS (Wind -- 30/15 Scheduling)	6,675	6,675	6,675	6,675	6,675	6,675	0.0%		
42 VERBS (Wind -- Uncommitted Scheduling)	37,296	37,296	37,296	37,296	37,296	37,296	0.0%		
43 VERBS (Wind -- Self Supply of Generation Imbalance)	-	-	-	6,672	6,672	6,672	N/A		
44 VERBS (Solar)	86	86	86	86	86	86	0.0%		
45 DERBS (Inc)	2,059	2,059	2,059	2,059	2,059	2,059	0.0%		
46 DERBS (Dec)	391	391	391	391	391	391	0.0%		
47 Operating Reserves - Spinning	24,330	24,264	24,297	25,540	25,470	25,505	5.0%		
48 Operating Reserves - Supplemental	22,292	22,231	22,261	23,412	23,348	23,380	5.0%		
49 Energy Imbalance	-	-	-	-	-	-	N/A		
50 Generation Imbalance	-	-	-	-	-	-	N/A		
51 Total Ancillary Revenues	240,856	241,800	241,328	272,702	273,822	273,262	13.2%		
52 Subtotal less SCD	107,376	107,231	107,304	116,378	116,227	116,302	0.0%		
53 Delivery									
54 Utility Delivery	2,669	2,680	2,674	2,451	2,462	2,457	-8.1%		
55 WECC									
56 WECC Rate	-	-	-	2,566	2,643	2,605	100.0%		
57 Peak									
58 Peak Rate	-	-	-	2,566	2,643	2,605	100.0%		
59 General Transmission Rates Subtotal	975,764	982,607	979,186	1,023,083	1,030,365	1,026,724	4.9%		
60 Subtotal less Generation Input Ancillaries	868,389	875,376	871,882	906,705	914,138	910,421	4.4%		

Table 12
Revenue at FY 2014-2015 and FY 2016-2017 Rates

(A) Service	(B) Current FY 2014-2015 Rates		(C)	(D)	(E) Proposed FY 2016-2017 Rates		(F)	(G)	(H)
	FY 2016	FY 2017	Average FYs 16&17	Average FYs 16&17	FY 2016	FY 2017	Average FYs 16&17	Percent Change	
	61 Other Revenues								
62 IS Reservation Fee	-	-	-	-	-	-	-	-	
63 UFT Fixed Dollar Amount	4,755	4,755	4,755	4,755	4,755	4,755	4,755	4,755	0.0%
64 UFT Variable Service Amt	263	263	263	263	263	263	263	263	0.0%
65 TGT Firm Demand	12,421	12,421	12,421	12,421	12,421	12,421	12,421	12,421	0.0%
66 O&M Non-Federal Facility	640	640	640	640	640	640	640	640	0.0%
67 O&M Federal Facility	318	318	318	318	318	318	318	318	0.0%
68 PTP Reservation Fee	2,535	2,305	2,420	2,535	2,305	2,420	2,420	2,420	0.0%
69 CF Reservation Fee	74	-	37	74	-	37	37	37	0.0%
70 Failure to Comply Penalty	-	-	-	-	-	-	-	-	
71 SINT AC Non Federal O&M	1,695	1,695	1,695	1,695	1,695	1,695	1,695	1,695	0.0%
72 SINT AC Non Fed Replacements	-	-	-	-	-	-	-	-	N/A
73 Power Factor Penalty Lagging	-	-	-	-	-	-	-	-	N/A
74 Power Factor Penalty Leading	-	-	-	-	-	-	-	-	N/A
75 PFP Lagging Ratchet	-	-	-	-	-	-	-	-	N/A
76 PFP Leading Ratchet	-	-	-	-	-	-	-	-	N/A
77 DSI Delivery Charge	2,633	2,633	2,633	2,633	2,633	2,633	2,633	2,633	0.0%
78 PCS Wireless Leases	4,475	4,475	4,475	4,475	4,475	4,475	4,475	4,475	0.0%
79 PCS Construction	2,810	2,810	2,810	2,810	2,810	2,810	2,810	2,810	0.0%
80 PCS Operations & Maintenance	317	317	317	317	317	317	317	317	0.0%
81 Fiber Leases	8,564	8,549	8,556	8,564	8,549	8,556	8,556	8,556	0.0%
82 Fiber Operations & Maintenance	817	811	814	817	811	814	814	814	0.0%
83 Land Use/Lease/Sale	216	216	216	216	216	216	216	216	0.0%
84 Misc Leases	105	104	104	105	104	104	104	104	0.0%
85 Right-Of-Way Lease	79	79	79	79	79	79	79	79	0.0%
86 COE/BOR Project Revenue	-	-	-	-	-	-	-	-	N/A
87 3rd AC RAS Generation Dropping	22	22	22	22	22	22	22	22	0.0%
88 AC RAS Load Tripping	19	19	19	19	19	19	19	19	0.0%
89 Transmission Share of IPP	246	246	246	246	246	246	246	246	0.0%
90 Use of Communication Equipmt	153	134	144	153	134	144	144	144	0.0%
91 FPS Real Power Losses	-	-	-	-	-	-	-	-	
92 Amort NonFed PNW AC Intertie	3,325	3,325	3,325	3,325	3,325	3,325	3,325	3,325	0.0%
93 Transmission Processing Fee	168	168	168	168	168	168	168	168	0.0%
94 Generation Integration BBL	13,152	13,187	13,170	12,142	12,074	12,108	12,108	12,108	-8.1%
95 Other Revenues Subtotal	59,801	59,490	59,646	58,792	58,378	58,585	58,585	58,585	-1.8%
96 Total Revenue	1,035,566	1,042,097	1,038,831	1,081,874	1,088,742	1,085,308	1,085,308	1,085,308	4.5%

Table 13.1
2015 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2015 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																			
4	FPT One-Year																			
5	10016	Avista																		
6		DE-MS79-85BP92186																		
7		453495	LEGACY			32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
8	10016 Total					32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
9																				
10	10135 Douglas																			
11		DE-MS79-80BP90066																		
12		(blank)	LEGACY			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	10135 Total					2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14																				
15	10300 PAC																			
16		DE-MS79-94BP94280																		
17		422032	LEGACY			200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
18		DE-MS79-94BP94333																		
19		1801200	LEGACY			35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
20		1801201	LEGACY			40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
21		1801202	LEGACY			84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
22		1801203	LEGACY			241	241	241	241	241	241	241	241	241	241	241	241	241	241	241
23		1801397	LEGACY			55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
24		1801398	LEGACY			145	145	145	145	145	145	145	145	145	145	145	145	145	145	145
25	10300 Total					800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
26																				
27	10317 PRC																			
28		DE-MS79-95BP94151																		
29		422176	LEGACY			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
30	10317 Total					50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
31																				
32	10325 Puget																			
33		DE-MS79-85BP92185																		
34		422177	LEGACY			32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
35	10325 Total					32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
36																				
37	FPT One-Year Total					917	917	917	917	917	917	917	917	917	917	917	917	917	917	917
38																				
39	FPT Three-Year																			
40	10300 PAC																			
41		14-03-14612																		
42		1801204/5	LEGACY			66	76	87	87	79	73	69	68	63	65	67	66	66	72	72
43	10300 Total					66	76	87	87	79	73	69	68	63	65	67	66	66	72	72
44																				
45	FPT Three-Year Total					66	76	87	87	79	73	69	68	63	65	67	66	66	72	72
46																				
47	IR																			
48	10325 Puget																			
49		14-03-45241																		
50		1801608	LEGACY			266	266	266	266	266	266	266	266	266	266	266	266	266	266	266
51	10325 Total					266	266	266	266	266	266	266	266	266	266	266	266	266	266	266
52																				
53	IR Total					266	266	266	266	266	266	266	266	266	266	266	266	266	266	266
54																				
55	PTP CONFIRMED																			
56	10007 Alcoa																			
57		01TX-10630																		
58		77208678	RENEWAL			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
59		77208409	RENEWAL			26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
60		77208424	RENEWAL			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
61		77208444	RENEWAL			9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
62		77208977	RENEWAL			47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
63		77208984	RENEWAL			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
64		77208846	RENEWAL			26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
65		77208855	RENEWAL			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
66		77208882	RENEWAL			11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
67		77208899	RENEWAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
68		77208633	RENEWAL			11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
69		77208648	RENEWAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
70		77208654	RENEWAL			11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
71		77208559	RENEWAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
72		77208909	RENEWAL			31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
73		77208934	RENEWAL			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
74		77208962	RENEWAL			75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
75		77208965	RENEWAL			23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
76		77208698	RENEWAL			22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
77		77208709	RENEWAL			7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
78		77208661	RENEWAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
79		77208675	RENEWAL			39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
80	10007 Total					403	403	403	403	403	403	403	403	403	403	403	403	403	403	403

Table 13.1
2015 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2015 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																			
81	10016 Avista																			
82	96MS-96008																			
83	1468405		ORIGINAL			75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
84	1468727		DEFERRAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
85	1801278		ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
86	1801279		ORIGINAL			147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
87	1801284		ORIGINAL			196	196	196	196	196	196	196	196	196	196	196	196	196	196	196
88	71358397		RECALL			(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)
89	73613033		ORIGINAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
90	10016 Total					568	568	568	568	568	568	568	568	568	568	568	568	568	568	568
91	10024 Benton PUD																			
92	97TX-10041																			
93	1800329		ORIGINAL			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
94	1800338		ORIGINAL			16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
95	1800343		ORIGINAL			16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
96	1800354		ORIGINAL			29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
97	1801465		ORIGINAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
98	71821795		REDIRECT			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
99	1800377		ORIGINAL			64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
100	1800379		ORIGINAL			102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
101	1801385		ORIGINAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
102	1800333		ORIGINAL			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
103	1800364		ORIGINAL			28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
104	71821291		REDIRECT			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
105	1800366		ORIGINAL			35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
106	1800373		ORIGINAL			42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
107	1800375		ORIGINAL			54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
108	10024 Total					423	423	423	423	423	423	423	423	423	423	423	423	423	423	423
109	10033 BPA Power																			
110	96MS-96060																			
111	Multiple		ORIGINAL			700	700	700	700	700	700	700	700	700	700	700	664	664	694	694
112	71568010		ORIGINAL			60	15	15	15	15	15	15	60	60	60	60	60	60	38	38
113	14TX-95363																			
114	1469289		ORIGINAL			116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
115	1469291		ORIGINAL			88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
116	1470201		ORIGINAL			109	109	109	109	109	109	109	109	109	109	109	109	109	109	109
117	1800939		ORIGINAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
118	1800940		ORIGINAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
119	1800941		ORIGINAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
120	1800942		ORIGINAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
121	1800943		ORIGINAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
122	1800944		ORIGINAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
123	1800945		ORIGINAL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
124	1800946		ORIGINAL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
125	1800947		ORIGINAL			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
126	1800948		ORIGINAL			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
127	1800949		ORIGINAL			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
128	321890		ORIGINAL			90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
129	497792		ORIGINAL			297	297	297	297	297	297	-	-	-	-	-	-	-	-	173
130	497817		ORIGINAL			53	53	53	53	53	-	-	-	-	-	-	-	-	-	27
131	677358		ORIGINAL			116	116	116	116	116	-	-	-	-	-	-	-	-	-	58
132	1800097		ORIGINAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
133	1800100		ORIGINAL			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
134	1800103		ORIGINAL			11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
135	1800106		ORIGINAL			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
136	1800109		ORIGINAL			17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
137	1800112		ORIGINAL			23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
138	1800115		ORIGINAL			23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
139	1800118		ORIGINAL			23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
140	1800121		ORIGINAL			27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
141	1800124		ORIGINAL			30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
142	1800127		ORIGINAL			48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
143	1800130		ORIGINAL			64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
144	1800133		ORIGINAL			64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
145	1800137		ORIGINAL			287	287	287	287	287	287	287	287	287	287	287	287	287	287	287
146	78395391		REDIRECT			184	184	184	184	184	184	184	184	184	184	184	184	184	184	184
147	77078633		RENEWAL			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
148	77078601		RENEWAL			17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
149	79879849		ORIGINAL			24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
150	77176374		REDIRECT			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
151	77176386		REDIRECT			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
152	79471716		RENEWAL			-	-	-	-	-	-	53	53	53	53	53	53	53	53	27
153	79497143		RENEWAL			-	-	-	-	-	-	116	116	116	116	116	116	116	116	58
154	79647304		RENEWAL			-	-	-	-	-	-	-	297	297	297	297	297	297	297	124
155	10033 Total					2,605	2,560	2,560	2,560	2,560	2,560	2,560	2,560	2,605	2,605	2,605				

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(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2015 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																			
159																				
160	10037 Powerex																			
161	96MS-96084																			
162		1465922	ORIGINAL			230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
163	99TX-10251																			
164		74490101	RENEWAL			348	348	348	348	348	348	348	348	348	348	348	348	348	348	348
165		74490405	RENEWAL			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
166		75753552	RENEWAL			193	193	193	193	193	193	193	193	193	193	193	193	193	193	193
167		77478534	ORIGINAL			80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
168		77105600	RENEWAL			102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
169		77821635	RENEWAL			125	125	125	-	-	-	-	-	-	-	-	-	-	-	31
170		77821638	RENEWAL			75	75	75	-	-	-	-	-	-	-	-	-	-	-	19
171		77953364	REDIRECT			-	-	-	125	125	125	125	125	125	125	125	125	125	125	94
172		77953371	REDIRECT			-	-	-	75	75	75	75	75	75	75	75	75	75	75	56
173		80380916	ORIGINAL			-	-	-	-	-	-	50	50	50	50	50	50	50	50	25
174	10037 Total					1,165	1,165	1,165	1,165	1,165	1,165	1,215	1,215	1,215	1,215	1,215	1,215	1,215	1,215	1,190
175																				
176	10050 Chelan																			
177	01TX-10714																			
178		72041989	RENEWAL			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
179	10050 Total					8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
180																				
181	10103 Clark																			
182	02TX-11177																			
183		73198880	ORIGINAL			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
184		73198888	ORIGINAL			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
185		73198896	ORIGINAL			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
186	10103 Total					75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
187																				
188	10105 Clatskanie																			
189	01TX-10649																			
190		1321619	ORIGINAL			9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
191		1321623	ORIGINAL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
192		1321630	ORIGINAL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
193		1321632	ORIGINAL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
194		1321634	ORIGINAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
195		1800705	ORIGINAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
196		1800709	ORIGINAL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
197		1800717	ORIGINAL			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
198		1800721	ORIGINAL			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
199		1800725	ORIGINAL			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
200		1800729	ORIGINAL			7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
201		1800735	ORIGINAL			14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
202		1800737	ORIGINAL			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
203		1800740	ORIGINAL			23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
204		1800741	ORIGINAL			36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
205	10105 Total					147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
206																				
207	10183 Franklin County																			
208	97TX-10043																			
209		1466591	ORIGINAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
210		1468490	ORIGINAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
211		1469388	ORIGINAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
212		1471445	REDIRECT			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
213		1472430	REDIRECT			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
214		1801660	ORIGINAL			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
215		1801665	ORIGINAL			27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
216		1801670	ORIGINAL			17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
217		1801675	ORIGINAL			42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
218		1801685	ORIGINAL			22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
219		1801690	ORIGINAL			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
220		1801695	ORIGINAL			7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
221		1801700	ORIGINAL			7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
222		1801705	ORIGINAL			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
223		1801710	ORIGINAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
224		71630464	ORIGINAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
225	10183 Total					183	183	183	183	183	183	183	183	183	183	183	183	183	183	183
226																				
227	10190 Grant																			
228	01TX-10679																			
229		72582664	ORIGINAL			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
230		74475223	RENEWAL			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
231		76084927	REDIRECT			150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
232	10190 Total					162	162	162	162	162	162	162	162	162	162	162	162	162	162	162

Table 13.1
2015 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2015 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg			
3	Company/Contract																			
233																				
234	10191 Grays Harbor																			
235	96MS-96083																			
236	1179595		ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
237	1800860		ORIGINAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
238	1800868		ORIGINAL		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
239	1800869		ORIGINAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
240	1800870		ORIGINAL		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
241	1800871		ORIGINAL		18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
242	1800872		ORIGINAL		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
243	1800873		ORIGINAL		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
244	1800874		ORIGINAL		26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
245	1800875		ORIGINAL		33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
246	1800876		ORIGINAL		37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
247	1800877		ORIGINAL		62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
248	1801266		ORIGINAL		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
249	1801468		ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
250	71316632		REDIRECT		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
251	72080322		REDIRECT		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
252	72080765		REDIRECT		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
253	10191 Total				280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280
254																				
255	10199 Hermiston Power																			
256	98TX-10154																			
257	1801330		ORIGINAL		228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
258	1801331		ORIGINAL		308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308
259	10199 Total				536	536	536	536	536	536	536	536	536	536	536	536	536	536	536	536
260																				
261	10205 Idaho Power Company																			
262	96MS-96108																			
263	1801478		ORIGINAL		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
264	1801479		ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
265	1801489		ORIGINAL		53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
266	12TX-15618																			
267	77108132		ORIGINAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
268	77108133		ORIGINAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
269	13TX-15768																			
270	77443011		ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
271	77443034		ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
272	77443090		ORIGINAL		37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
273	10205 Total				180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
274																				
275	10231 Klickitat																			
276	97TX-10038																			
277	77124569		RENEWAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
278	77124571		RENEWAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
279	77124572		RENEWAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
280	77124573		RENEWAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
281	77124588		RENEWAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
282	77124582		RENEWAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
283	77124583		RENEWAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
284	77124585		RENEWAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
285	77124586		RENEWAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
286	77124575		RENEWAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
287	77124578		RENEWAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
288	77124590		RENEWAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
289	77124591		RENEWAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
290	77128633		RENEWAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
291	77124579		RENEWAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
292	77124581		RENEWAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
293	79147789		ORIGINAL		11	11	11	11	11	11	11	-	-	-	-	-	-	-	-	-
294	79467143		ORIGINAL		-	-	-	-	-	-	-	11	11	11	11	11	11	11	11	11
295	10231 Total				78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
296																				
297	10241 LADWP																			
298	02TX-10944																			
299	73033364		RENEWAL		33	33	33	33	33	33	33	-	-	-	-	-	-	-	-	19
300	73201176		RENEWAL		23	23	23	23	23	23	23	23	-	-	-	-	-	-	-	15
301	73201205		RENEWAL		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	18
302	73201211		RENEWAL		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	20
303	78459775		RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
304	78459780		RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
305	78459765		RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
306	78459768		RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
307	78459737		RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
308	78459759		RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
309	80269811		ORIGINAL		-	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46
310	80751162		ORIGINAL		-	-	-	-	-	-	-	-	20	20	20	20	20	20	20	7
311	10241 Total				400	450	450	450	450	450	450	450	417	414	414	390	370	370	370	425

Table 13.1
2015 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2015 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																			
312																				
313	10255 Middle Fork																			
314	05TX-11927																			
315		1466103	ORIGINAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
316		1469988	ORIGINAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
317	10255 Total																			
318																				
319	10279 Northern Wasco																			
320	09TX-14164																			
321		79710722	ORIGINAL			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322		79731741	REDIRECT			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
323	10279 Total																			
324																				
325	10286 Okanogan PUD																			
326	01TX-10686																			
327		75978650	RENEWAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
328		75978589	RENEWAL			11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
329		75978597	RENEWAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
330		75978607	RENEWAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
331		75978620	RENEWAL			7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
332		75978559	RENEWAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
333		75978566	RENEWAL			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
334		75978656	RENEWAL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
335		75978700	RENEWAL			7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
336		75978643	RENEWAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
337		75978645	RENEWAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
338		75978571	RENEWAL			7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
339		75978577	RENEWAL			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
340		75978582	RENEWAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
341		75978673	RENEWAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
342		75978693	RENEWAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
343		75978696	RENEWAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
344		75978699	RENEWAL			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
345		75978636	RENEWAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
346		75978638	RENEWAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
347		75978640	RENEWAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
348		75978586	RENEWAL			13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
349		75978634	RENEWAL			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
350		75978524	RENEWAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
351	10286 Total																			
352																				
353	10300 PAC																			
354	04TX-11722																			
355		72510734	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
356		72513702	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
357		72604325	REDIRECT			80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
358		73359314	RENEWAL			8	-	-	-	-	-	-	-	-	-	-	-	-	-	1
359		73359317	RENEWAL			8	-	-	-	-	-	-	-	-	-	-	-	-	-	1
360		73359319	RENEWAL			146	-	-	-	-	-	-	-	-	-	-	-	-	-	12
361		73359321	RENEWAL			30	-	-	-	-	-	-	-	-	-	-	-	-	-	3
362		73359322	RENEWAL			100	-	-	-	-	-	-	-	-	-	-	-	-	-	8
363		73359325	RENEWAL			85	-	-	-	-	-	-	-	-	-	-	-	-	-	7
364		73359327	RENEWAL			100	-	-	-	-	-	-	-	-	-	-	-	-	-	8
365		73600930	REDIRECT			88	-	-	-	-	-	-	-	-	-	-	-	-	-	7
366		73518379	RENEWAL			144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
367		73518383	RENEWAL			85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
368		73604581	RENEWAL			70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
369		74027888	RENEWAL			222	222	222	222	-	-	-	-	-	-	-	-	-	-	74
370		74027903	RENEWAL			18	18	18	18	-	-	-	-	-	-	-	-	-	-	6
371		74636110	RENEWAL			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
372		77322834	RENEWAL			76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
373		77424318	RENEWAL			120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
374		77424414	RENEWAL			190	190	190	190	190	190	190	190	190	190	190	190	190	190	190
375		77810169	ORIGINAL			35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
376		76145322	ORIGINAL			137	137	137	137	137	137	137	137	137	137	137	137	137	137	137
377		77322753	RENEWAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
378		77322823	RENEWAL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
379		76106891	RENEWAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
380		76191343	ORIGINAL			40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
381		75397855	REDIRECT			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
382		75503469	REDIRECT			250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
383		77810173	ORIGINAL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
384		78385466	RENEWAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
385		78398821	RENEWAL			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
386		77424479	RENEWAL			30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
387		77520585	RENEWAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
388		76522087	RENEWAL			75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
389		76970392	RENEWAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
390		75766088	RENEWAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Table 13.1
2015 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2015 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg			
3	Company/Contract																			
391		75819074	RENEWAL		28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
392		75841669	ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
393		74754673	REDIRECT		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
394		75387943	REDIRECT		75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
395		75387944	REDIRECT		10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
396		75503471	REDIRECT		70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
397		78720451	RENEWAL		-	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146
398		78720471	RENEWAL		-	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
399		78720493	RENEWAL		-	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
400		78720629	RENEWAL		-	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
401		78720424	RENEWAL		-	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
402		78721010	RENEWAL		-	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
403		78720215	RENEWAL		-	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
404		78720311	RENEWAL		-	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
405		79191196	REDIRECT		38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
406		79484622	ORIGINAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
407		76382678	REDIRECT		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
408		78763280	RENEWAL		420	420	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409		78763246	RENEWAL		70	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-
410		79883466	ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
411		80320003	REDIRECT		-	-	70	70	70	70	70	70	70	70	70	70	70	70	70	70
412		80320010	REDIRECT		-	-	420	420	420	420	420	420	420	420	420	420	420	420	420	420
413		78720634	RENEWAL		-	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
414		78720640	RENEWAL		-	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
415		80419616	REDIRECT		-	-	-	-	222	222	222	222	222	222	222	222	222	222	222	222
416		80419677	REDIRECT		-	-	-	-	18	18	18	18	18	18	18	18	18	18	18	18
417		79191207	REDIRECT		56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
418		80709760	REDIRECT		-	-	-	-	-	-	8	8	8	8	8	8	8	8	8	8
419	10300 Total				3,275	3,275	3,275	3,275	3,275	3,275	3,275	3,275	3,275	3,275	3,275	3,275	3,275	3,275	3,275	3,275
420																				
421	10302 Iberdrola																			
422	00TX-10367																			
423		73412487	RENEWAL		3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
424		74371962	RENEWAL		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
425		77895741	ORIGINAL		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
426		78287943	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
427		77079897	RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
428		78577161	ORIGINAL		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
429		77410610	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
430		77079910	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
431		77410538	RENEWAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
432		77410542	RENEWAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
433		75648216	REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
434		75648191	REDIRECT		25	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
435		75648180	REDIRECT		50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
436		75648199	REDIRECT		-	-	25	25	25	25	25	25	25	25	25	25	25	25	25	25
437		75648234	REDIRECT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
438		77325065	REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
439		77325077	REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
440		77325082	REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
441		77325070	REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
442		75648187	REDIRECT		-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	50
443		80818877	DEFERRAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
444		80818881	DEFERRAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
445		80818885	DEFERRAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
446		80156358	RENEWAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
447	10302 Total				569	569	566	566	566	566	566	566	566	566	566	566	566	566	626	572
448																				
449	10306 Pend Oreille																			
450	02TX-10875																			
451		76277035	RENEWAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
452		76277045	RENEWAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
453		76277050	RENEWAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
454		76277055	RENEWAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
455		76277060	RENEWAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
456		76277018	RENEWAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
457		76277021	RENEWAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
458		76277025	RENEWAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
459		76277031	RENEWAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
460		76277086	RENEWAL		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
461		76277063	RENEWAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
462		76277065	RENEWAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
463		76277067	RENEWAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
464	10306 Total				40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40

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2015 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2015 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg			
3	Company/Contract																			
465	10314 PGE																			
466	96MS-96095																			
467																				
468		72637685	RENEWAL		150	150	150	150	150	150	150	150	-	-	-	-	-	-	100	
469		72637689	RENEWAL		250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
470		72637691	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
471		72637692	RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
472		73483182	REDIRECT		600	600	600	600	600	600	600	600	-	-	-	-	-	-	400	
473	98TX-10174																			
474		73970915	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
475	09TX-14507																			
476		73540912	RENEWAL		531	531	531	-	-	-	-	-	-	-	-	-	-	-	-	133
477		73540931	RENEWAL		379	379	379	-	-	-	-	-	-	-	-	-	-	-	-	95
478		73540935	RENEWAL		250	250	250	-	-	-	-	-	-	-	-	-	-	-	-	63
479		73540940	RENEWAL		270	270	270	-	-	-	-	-	-	-	-	-	-	-	-	68
480		73540943	RENEWAL		169	169	169	-	-	-	-	-	-	-	-	-	-	-	-	42
481		73540964	RENEWAL		131	131	131	-	-	-	-	-	-	-	-	-	-	-	-	33
482		73540967	RENEWAL		177	177	177	-	-	-	-	-	-	-	-	-	-	-	-	44
483		73540974	RENEWAL		18	18	18	-	-	-	-	-	-	-	-	-	-	-	-	5
484		73540978	RENEWAL		27	27	27	-	-	-	-	-	-	-	-	-	-	-	-	7
485		73540979	RENEWAL		100	100	100	-	-	-	-	-	-	-	-	-	-	-	-	25
486		73540984	RENEWAL		161	161	161	-	-	-	-	-	-	-	-	-	-	-	-	40
487		78857909	DEFERRAL		-	45	45	45	45	45	45	45	45	45	45	45	45	45	45	41
488		79042182	RENEWAL		-	-	-	250	250	250	250	250	250	250	250	250	250	250	250	188
489		79042267	RENEWAL		-	-	-	270	270	270	270	270	270	270	270	270	270	270	270	203
490		79099396	RENEWAL		-	-	-	27	27	27	27	27	27	27	27	27	27	27	27	20
491		79099468	RENEWAL		-	-	-	161	161	161	161	161	161	161	161	161	161	161	161	121
492		79099506	RENEWAL		-	-	-	169	169	169	169	169	169	169	169	169	169	169	169	127
493		79099585	RENEWAL		-	-	-	279	279	279	279	279	279	279	279	279	279	279	279	209
494		79295318	REDIRECT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
495		79593334	REDIRECT		-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	4
496		79593338	REDIRECT		-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	4
497		79042492	RENEWAL		-	-	-	531	531	531	531	531	531	531	531	531	531	531	531	398
498		79099382	RENEWAL		-	-	-	150	150	150	150	150	150	150	150	150	150	150	150	113
499		79109702	RENEWAL		-	-	-	131	131	131	131	131	131	131	131	131	131	131	131	98
500		79294957	REDIRECT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501		79058520	RENEWAL		-	-	-	-	-	-	-	-	150	150	150	150	150	150	150	50
502		79734273	RENEWAL		-	-	-	-	-	-	-	-	300	300	300	300	300	300	300	100
503		78450046	REDIRECT		5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	1
504	10314 Total				3,393	3,438	3,438	3,198	3,198	3,198	3,198	3,198	3,198	2,898	2,898	2,898	2,898	2,898	2,898	3,154
505	10317 PRC																			
506	12TX-15681																			
507		76938843	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
508		80955211	RECALL		-	-	-	-	-	-	-	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(3)
509	10317 Total				6	6	6	6	6	6	6	-	-	-	-	-	-	-	-	3
511	10325 Puget																			
512	03TX-11539																			
513		73382552	RENEWAL		137	137	137	137	137	-	-	-	-	-	-	-	-	-	-	57
514	06TX-12195																			
515		1471793	REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
516		1471795	REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
517		1471797	REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
518		1471799	REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
519		1471799	REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
520		1471801	REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
521		1471803	REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
522		1473142	REDIRECT		250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
523		71365495	RENEWAL		400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
524		71984715	REDIRECT		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
525		72813104	ORIGINAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
526		72706601	ORIGINAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
527		72706605	ORIGINAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
528		72706606	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
529		72706608	ORIGINAL		43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
530		73363521	RENEWAL		40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
531		73363525	RENEWAL		40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
532		73363526	RENEWAL		40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
533		73363527	RENEWAL		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
534		73363530	RENEWAL		55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
535		73363531	RENEWAL		27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
536		73363533	RENEWAL		27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
537		73363535	RENEWAL		27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
538		73363536	RENEWAL		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
539		73363537	RENEWAL		36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
540		73363546	RENEWAL		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
541		71616447	RENEWAL		235	235	-	-	-	-	-	-	-	-	-	-	-	-	-	39

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2015 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2015 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg			
3	Company/Contract																			
542	77286231	RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
543	77286242	RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
544	77855235	REDIRECT		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
545	76213396	REDIRECT		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
546	76213399	REDIRECT		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
547	76213403	REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
548	77286223	RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
549	73395728	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
550	76041858	RENEWAL		94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
551	76213391	REDIRECT		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
552	78527177	RENEWAL		263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263
553	78527185	RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
554	78527191	RENEWAL		300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
555	78510701	RENEWAL		300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
556	78510722	RENEWAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
557	78510643	RENEWAL		115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
558	77286250	RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
559	77913795	RENEWAL		35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
560	77913798	RENEWAL		27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
561	76213405	REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
562	76213407	REDIRECT		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
563	76041854	RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
564	78527159	RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
565	78527166	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
566	78527170	RENEWAL		150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
567	78903869	RENEWAL		-	-	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169
568	78262265	ORIGINAL		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
569	78859265	RENEWAL		-	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
570	78859267	RENEWAL		-	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
571	78859275	RENEWAL		-	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
572	78859281	RENEWAL		-	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
573	78859285	RENEWAL		-	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
574	78859299	RENEWAL		-	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
575	78510669	ORIGINAL		160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
576	77841317	ORIGINAL		-	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
577	78859254	RENEWAL		-	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
578	78859287	RENEWAL		-	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
579	78859293	RENEWAL		-	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
580	78859294	RENEWAL		-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
581	78859296	RENEWAL		-	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
582	79625922	REDIRECT		-	-	-	-	-	-	-	-	-	23	23	23	23	23	23	23	8
583	77946016	REDIRECT		23	23	23	23	23	23	23	23	23	-	-	-	-	-	-	-	15
584	80701818	ORIGINAL		-	-	-	-	-	137	137	137	137	137	137	137	137	137	137	137	80
585	10325 Total			4,303	4,312	4,246	4,246	4,246	4,246	4,246	4,246	4,246	4,246	4,246	4,246	4,246	4,246	4,246	4,246	4,256
586																				
587	10341 SMUD																			
588	02TX-11128																			
589	77703370	DEFERRAL		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
590	79132005	DEFERRAL		-	-	-	30	30	30	30	30	30	30	30	30	30	30	30	30	23
591	10341 Total			30	30	30	60	60	60	60	60	60	60	60	60	60	60	60	60	53
592																				
593	10349 Seattle																			
594	96MS-96018																			
595	1800082	ORIGINAL		1,023	1,023	1,023	1,023	1,023	1,023	1,023	1,023	1,023	1,023	1,023	1,023	1,023	1,023	1,023	1,023	1,023
596	1800521	ORIGINAL		18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
597	1800522	ORIGINAL		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
598	1800523	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
599	1800524	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
600	1800525	ORIGINAL		46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
601	1800526	ORIGINAL		52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
602	1800527	ORIGINAL		54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
603	1800528	ORIGINAL		65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
604	1800529	ORIGINAL		83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
605	1800530	ORIGINAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
606	1800531	ORIGINAL		158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158
607	1801314	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
608	1801315	ORIGINAL		2	2	2	2													

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(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2015 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg			
3	Company/Contract																			
618																				
619	10354	Snohomish																		
620	96MS-96092																			
621	1800028	ORIGINAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
622	1800080	ORIGINAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
623	1801078	ORIGINAL		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
624	1801079	ORIGINAL		37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
625	1801080	ORIGINAL		38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
626	1801081	ORIGINAL		39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
627	1801082	ORIGINAL		72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
628	1801083	ORIGINAL		81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
629	1801084	ORIGINAL		85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
630	1801085	ORIGINAL		102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
631	1801086	ORIGINAL		156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156
632	1801087	ORIGINAL		247	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247
633	1801163	ORIGINAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
634	1801362	ORIGINAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
635	1801500	ORIGINAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
636	1801823	ORIGINAL		131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131
637	72566153	ORIGINAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
638	72566175	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
639	72566200	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
640	72673396	RECALL		(75)	(75)	(75)	(75)	(75)	(75)	(75)	(75)	(75)	(75)	(75)	(75)	(75)	(75)	(75)	(75)	(75)
641	73240353	ORIGINAL		51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
642	72150853	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
643	72150855	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
644	73240347	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
645	72150858	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
646	72150862	ORIGINAL		-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	38
647	10354 Total				1,869	1,869	1,869	1,919	1,919	1,919	1,919	1,919	1,919	1,919	1,919	1,919	1,919	1,919	1,919	1,907
648																				
649	10361	SC Edison																		
650	10TX-14641																			
651	75978147	ORIGINAL		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
652	75978181	ORIGINAL		35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
653	75978191	ORIGINAL		65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
654	75978193	ORIGINAL		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
655	76252310	ORIGINAL		115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
656	76252318	ORIGINAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
657	76252286	ORIGINAL		29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
658	76252295	ORIGINAL		115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
659	76252305	ORIGINAL		115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
660	10361 Total				724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724
661																				
662	10370	Tacoma Power																		
663	98TX-10103																			
664	1472937	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
665	1800542	ORIGINAL		19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
666	1800543	ORIGINAL		23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
667	1800544	ORIGINAL		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
668	1800545	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
669	1800546	ORIGINAL		44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
670	1800547	ORIGINAL		52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
671	1800548	ORIGINAL		54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
672	1800550	ORIGINAL		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
673	1800551	ORIGINAL		99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
674	1800565	ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
675	1800566	ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
676	1800567	ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
677	1800568	ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
678	1800569	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
679	1800570	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
680	1800571	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
681	1800572	ORIGINAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
682	1800573	ORIGINAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
683	1800574	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
684	1801317	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
685	1801318	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
686	1801319	ORIGINAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
687	1801501	ORIGINAL		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
688	75108469	ORIGINAL		64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
689	75108338	ORIGINAL		155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155
690	80062909	REDIRECT		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
691	80062920	REDIRECT		3	3															

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2015 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																			
695																				
696	10381	TEMUS																		
697		98TX-10172																		
698		73918209 ORIGINAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
699		73918184 ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
700		78976989 ORIGINAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
701	10381 Total					250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
702																				
703	10386	Turlock Irrigation																		
704		00TX-10344																		
705		77517818 RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
706		77517830 RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
707	10386 Total					100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
708																				
709	10874	Sagebrush Power																		
710		11TX-15454																		
711		80073937 RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
712	10874 Total					50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
713																				
714	11021	Eurus Comb																		
715		09TX-14147																		
716		73473061 REDIRECT			62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
717	11021 Total					62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
718																				
719	11122	Finley Bioenergy																		
720		07TX-12488																		
721		71689868 ORIGINAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
722		71915090 ORIGINAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
723	11122 Total					5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
724																				
725	11768	Arlington																		
726		07TX-12526																		
727		72296939 DEFERRAL			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
728	11768 Total					25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
729																				
730	11831	PPL EnergyPlus																		
731		08TX-13030																		
732		72408392 ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
733		73063071 ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
734	11831 Total					100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
735																				
736	11868	Wheat Field Wind																		
737		08TX-13610																		
738		72458260 ORIGINAL			97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
739	11868 Total					97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
740																				
741	11875	Patu Wind Farm																		
742		08TX-13657																		
743		74128031 REDIRECT			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
744	11875 Total					10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
745																				
746	11951	Outback Solar																		
747		11TX-15513																		
748		77311998 REDIRECT			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
749	11951 Total					5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
750																				
751	12077	Kaiser Alum WA																		
752		11TX-15371																		
753		76231445 ORIGINAL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
754		77478544 ORIGINAL			45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
755	12077 Total					50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
756																				
757	13140	JC-B																		
758		13TX-15809																		
759		78685544 ORIGINAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
760	13140 Total					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
761																				
762	13227	POTB																		
763		13TX-15849																		
764		78391247 DEFERRAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
765	13227 Total					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
766																				
767	10298	PNGC																		
768		15TX-16091																		
769		80767518 ORIGINAL			-	-	-	-	-	-	-	6	6	6	6	6	6	6	6	3
770	10298 Total					-	-	-	-	-	-	6	6	6	6	6	6	6	6	3
771																				
772	PTP CONFIRMED Total Subject to SCD					25,066	25,125	25,056	24,896	24,896	24,896	24,946	24,958	24,655	24,655	24,595	24,635	24,635	24,865	

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FY 2015 Sales forecast as of 06/30/2015																		
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																		
773	PTP CONFIRMED NO SCD																		
774	10244 Lower Valley																		
775	08TX-13671																		
776	75429714 ORIGINAL																		
777	78866292 ORIGINAL																		
778																			
779	10244 Total																		
780																			
781	10427 UAMPS																		
782	11TX-15512																		
783	77309382 ORIGINAL																		
784																			
785	10427 Total																		
786																			
787	11703 L & M																		
788	06TX-12244																		
789	72873760 RENEWAL																		
790																			
791	11703 Total																		
792																			
793	11756 Raft River Energy																		
794	07TX-12449																		
795	1471160 ORIGINAL																		
796																			
797	11756 Total																		
798																			
799	PTP CONFIRMED Total Not Subject to SCD																		
800																			
801	PTP SDD																		
802	10183 Franklin County																		
803	97TX-10043																		
804	1466591 SDD																		
805	1472430 SDD																		
806																			
807	10183 Total																		
808																			
809	10190 Grant																		
810	01TX-10679																		
811	76084927 SDD																		
812																			
813	10190 Total																		
814																			
815	10205 Idaho Power Company																		
816	12TX-15618																		
817	77108132 SDD																		
818	77108133 SDD																		
819																			
820	10205 Total																		
821																			
822	10231 Klickitat																		
823	97TX-10038																		
824	79147789 SDD																		
825	79467143 SDD																		
826																			
827	10231 Total																		
828																			
829	10255 Middle Fork																		
830	05TX-11927																		
831	1466103 SDD																		
832	1469988 SDD																		
833																			
834	10255 Total																		
835																			
836	10300 PAC																		
837	04TX-11722																		
838	73518379 SDD																		
839	73518383 SDD																		
840	77424318 SDD																		
841	77424414 SDD																		
842	77810169 SDD																		
843	77322823 SDD																		
844	76191343 SDD																		
845	77810173 SDD																		
846	77424479 SDD																		
847	76522087 SDD																		
848	80419616 SDD																		
849	80419677 SDD																		
850	80709760 SDD																		
851																			
852	10300 Total																		
853																			
854	10302 Iberdrola																		
855	00TX-10367																		
856	78287943 SDD																		
857	77079897 SDD																		
858	77410610 SDD																		
859	77079910 SDD																		
860	77410538 SDD																		
861	77410542 SDD																		
862																			
863	10302 Total																		

Table 13.1
2015 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2015 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg			
3	Company/Contract																			
854																				
855	10325	Puget																		
856		03TX-11539																		
857		73382552 SDD		(37)	(37)	(37)	(37)	(37)	(37)	-	-	-	-	-	-	-	-	-	-	(15)
858		06TX-12195																		
859		80701818 SDD		-	-	-	-	-	-	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(21)
860	10325 Total				(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)
861																				
862	10341	SMUD																		
863		02TX-11128																		
864		77703370 SDD		(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
865		79132005 SDD		-	-	-	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
866	10341 Total				(2)	(2)	(2)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
867																				
868	10361	SC Edison																		
869		10TX-14641																		
870		75978147 SDD		(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)
871		75978181 SDD		(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
872		75978191 SDD		(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)
873		75978193 SDD		(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)
874		76252310 SDD		(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)
875		76252318 SDD		(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)
876		76252286 SDD		(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
877		76252295 SDD		(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)
878		76252305 SDD		(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)
879	10361 Total				(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)
880																				
881	10427	UAMPS																		
882		11TX-15512																		
883		77309382 SDD		(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)
884	10427 Total				(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)
885																				
886	11756	Raft River Energy																		
887		07TX-12449																		
888		1471160 SDD		(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
889	11756 Total				(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
890																				
891	13140	JC-B																		
892		13TX-15809																		
893		78685544 SDD		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
894	13140 Total				(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
895																				
896	13227	POTB																		
897		13TX-15849																		
898		78391247 SDD		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
899	13227 Total				(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
900																				
901	PTP SDD Total				(535.1)	(535.1)	(535.1)	(537.2)	(580.0)	(580.0)	(581.5)	(581.5)	(581.5)	(581.5)	(581.5)	(581.5)	(581.5)	(581.5)	(581.5)	(581.5)
902																				
903	PTP CF CONFIRMED																			
904	10122	Shell Energy																		
905		00TX-10286																		
906		74928222 DEFERRAL		125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
907	10122 Total				125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
908																				
909	10241	LADWP																		
910		02TX-10944																		
911		74228809 ORIGINAL		50	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	13
912		80390206 RECALL		-	(50)	(50)	-	-	-	-	-	-	-	-	-	-	-	-	-	(8)
913	10241 Total				50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
914																				
915	10300	PAC																		
916		04TX-11722																		
917		77119166 REDIRECT		88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
918		79131028 ORIGINAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
919	10300 Total				96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
920																				
921	10314	PGE																		
922		09TX-14507																		
923		78858032 DEFERRAL		-	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	92
924		80402010 ORIGINAL		-	-	-	25	25	25	25	25	25	25	25	25	25	25	25	25	19
925		80402046 ORIGINAL		-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	38
926		80402067 ORIGINAL		-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	38
927		80402081 ORIGINAL		-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	38
928		80401925 ORIGINAL		-	-	-	7	7	7	7	7	7	7	7	7	7	7	7	7	5
929		80401947 ORIGINAL		-	-	-	10	10	10	10	10	10	10	10	10	10	10	10	10	8
930		80401970 ORIGINAL		-	-	-	25	25	25	25	25	25	25	25	25	25	25	25	25	19
931		80402096 ORIGINAL		-	-	-	25	25	25	25	25	25	25	25	25	25	25	25	25	19
932		80402109 ORIGINAL		-	-	-	25	25	25	25	25	25	25	25	25	25	25	25	25	19
933	10314 Total				-	100	100	367	367	367	367	367	367	367	367	367	367	367	367	292

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2015 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																			
934																				
935	10325 Puget																			
936	06TX-12195																			
937		74856145	ORIGINAL			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
938		77565922	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
939		77565931	ORIGINAL			40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
940		76945532	ORIGINAL			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
941		80381236	RECALL			-	-	-	-	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(5)
942		80072778	RECALL			-	(8)	-	-	-	-	-	-	-	-	-	-	-	-	(1)
943		80316927	RECALL			-	-	-	(8)	-	-	-	-	-	-	-	-	-	-	(1)
944		80218009	RECALL			-	-	(8)	-	-	-	-	-	-	-	-	-	-	-	(1)
945	10325 Total					110	102	102	102	102	102	102	102	102	102	102	102	102	102	103
946																				
947	10381 TEMUS																			
948	98TX-10172																			
949		74623837	DEFERRAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
950	10381 Total					100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
951																				
952	PTP CF CONFIRMED Total					481	523	523	790	790	790	790	790	790	790	790	790	790	790	720
953																				
954	PTP EXPECTATION																			
955	10037 Powerex																			
956	99TX-10251																			
957		81027561S	ORIGINAL			-	-	-	-	-	-	-	-	-	-	-	50	50	50	8
958		81027565S	ORIGINAL			-	-	-	-	-	-	-	-	-	-	-	50	50	50	8
959	10037 Total					-	-	-	-	-	-	-	-	-	-	-	100	100	100	17
960																				
961	10241 LADWP																			
962	02TX-10944																			
963		73201205R	RENEWAL			-	-	-	-	-	-	-	-	-	-	-	-	-	20	2
964	10241 Total					-	-	-	-	-	-	-	-	-	-	-	-	-	20	2
965																				
966	10341 SMUD																			
967	02TX-11128																			
968		79132005D	RECALL			-	-	-	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(8)
969	10341 Total					-	-	-	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(8)
970																				
971	PTP EXPECTATION Total					-	-	-	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	90	110	110	11
972																				
973	PTP SDD EXPECTATION																			
974	10341 SMUD																			
975	02TX-11128																			
976		79132005D	SDD			-	-	-	1	1	1	1	1	1	1	1	1	1	1	1
977	10341 Total					-	-	-	1	1	1	1	1	1	1	1	1	1	1	1
978																				
979	PTP SDD EXPECTATION Total					-	-	-	1	1	1	1	1	1	1	1	1	1	1	1
980																				
981	PTP CF EXPECTATION																			
982	10122 Shell Energy																			
983	00TX-10286																			
984		77767024S	ORIGINAL			-	-	-	-	-	-	-	-	-	-	-	141	141	141	24
985	10122 Total					-	-	-	-	-	-	-	-	-	-	-	141	141	141	24
986																				
987	10302 Iberdrola																			
988	00TX-10367																			
989		73658753S	ORIGINAL			-	-	-	-	-	-	-	-	-	-	-	33	33	33	6
990	10302 Total					-	-	-	-	-	-	-	-	-	-	-	33	33	33	6
991																				
992	PTP CF EXPECTATION Total					-	-	-	-	-	-	-	-	-	-	-	174	174	174	29
993																				
994	IS CONFIRMED																			
995	10033 BPA Power																			
996	96MS-96060																			
997		71383980	ORIGINAL			60	15	15	15	15	15	15	60	60	60	60	60	60	60	38
998		14TX-95363																		
999		321873	ORIGINAL			700	700	700	700	700	700	700	700	700	700	700	700	700	700	700
1000		321874	ORIGINAL			300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
1001		483765	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1002	10033 Total					1,110	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,110	1,110	1,110	1,110	1,110	1,110	1,088

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2015 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FY 2015 Sales forecast as of 06/30/2015																		
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg	
3	Company/Contract																		
1003																			
1004	10037 Powerex																		
1005	99TX-10251																		
1006	72617596	RENEWAL			49	49	49	-	-	-	-	-	-	-	-	-	-	-	12
1007	72617597	RENEWAL			51	51	51	-	-	-	-	-	-	-	-	-	-	-	13
1008	72668081	RENEWAL			150	150	150	-	-	-	-	-	-	-	-	-	-	-	38
1009	72742268	RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1010	78710047	RENEWAL			200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
1011	79100585	RENEWAL			-	-	-	51	51	51	51	51	51	51	51	51	51	51	38
1012	79100588	RENEWAL			-	-	-	150	150	150	150	150	150	150	150	150	150	150	113
1013	79461718	RENEWAL			-	-	-	49	49	49	49	49	49	49	49	49	49	49	37
1014	75322538	RENEWAL			24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
1015	75322539	RENEWAL			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
1016	75322540	RENEWAL			11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1017	77502254	RENEWAL			357	357	357	357	357	357	357	357	357	357	357	357	357	357	357
1018	77543772	RENEWAL			42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
1019	77543773	RENEWAL			286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
1020	77543781	RENEWAL			650	650	650	650	650	650	650	650	650	650	650	650	650	650	650
1021	75796869	ORIGINAL			100	100	100	100	100	100	100	100	100	100	100	100	-	-	83
1022	75796829	ORIGINAL			100	100	100	100	100	100	100	100	100	100	100	100	-	-	83
1023	79848644	RENEWAL			-	-	-	-	-	-	-	-	-	-	-	100	100	100	17
1024	79855282	RENEWAL			-	-	-	-	-	-	-	-	-	-	-	100	100	100	17
1025	10037 Total					2,085	2,085	2,085	2,085	2,085	2,085	2,085	2,085	2,085	2,085	2,085	2,085	2,085	2,085
1026																			
1027	10122 Shell Energy																		
1028	00TX-10286																		
1029	72429308	RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1030	72513298	RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1031	72513308	RENEWAL			20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1032	72513313	RENEWAL			30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1033	10122 Total					150	150	150	150	150	150	150	150	150	150	150	150	150	150
1034																			
1035	10199 Hermiston Power																		
1036	98TX-10154																		
1037	1800038	ORIGINAL			228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
1038	1801359	ORIGINAL			75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
1039	449487	ORIGINAL			33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
1040	449491	ORIGINAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1041	449493	ORIGINAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1042	10199 Total					536	536	536	536	536	536	536	536	536	536	536	536	536	536
1043																			
1044	10264 Morgan Stanley																		
1045	97TX-10031																		
1046	1470598	ORIGINAL			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
1047	1470382	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1048	1470384	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1049	1470386	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1050	1470388	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1051	73014940	ORIGINAL			73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
1052	75533108	RENEWAL			46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
1053	73016708	ORIGINAL			27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
1054	72496577	ORIGINAL			74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
1055	72496624	ORIGINAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1056	78676775	RENEWAL			39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
1057	10264 Total					574	574	574	574	574	574	574	574	574	574	574	574	574	574
1058																			
1059	10300 PAC																		
1060	DE-MS79-94BP94280																		
1061	79356596	ORIGINAL			200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
1062	DE-MS79-94BP94285																		
1063	427472	ORIGINAL			93	93	93	93	93	93	93	93	93	93	93	93	93	93	93
1064	866020	ORIGINAL			71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
1065	10300 Total					364	364	364	364	364	364	364	364	364	364	364	364	364	364

Table 13.1
2015 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2015 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																			
1066																				
1067	10302	Iberdrola																		
1068		00TX-10367																		
1069		71678981	ORIGINAL		280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280
1070		1466882	ORIGINAL		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
1071		72288164	ORIGINAL		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1072		72552123	ORIGINAL		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
1073		72511486	ORIGINAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1074		72511519	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1075		76659161	RENEWAL		95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
1076		72511528	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1077		76303736	RENEWAL		47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
1078		77719214	RENEWAL		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
1079		78154124	RENEWAL		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1080		75596535	RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1081		76303714	RENEWAL		180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
1082		76303727	RENEWAL		75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
1083		76303731	RENEWAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1084	10302 Total					1,002	1,002	1,002	1,002	1,002	1,002	1,002	1,002	1,002	1,002	1,002	1,002	1,002	1,002	1,002
1085																				
1086	10381	TEMUS																		
1087		98TX-10172																		
1088		77302316	RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1089		78163252	RENEWAL		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
1090	10381 Total					142	142	142	142	142	142	142	142	142	142	142	142	142	142	142
1091																				
1092	10849	Exelon Generation																		
1093		02TX-11265																		
1094		78225336	ORIGINAL		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1095		78225361	ORIGINAL		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1096		78225363	ORIGINAL		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1097		78221134	ORIGINAL		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1098	10849 Total					120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
1099																				
1100	IS CONFIRMED Total					6,083	6,038	6,038	6,038	6,038	6,038	6,038	6,038	6,083	6,083	6,083	6,083	6,083	6,083	6,061
1101																				
1102	IM CONFIRMED																			
1103	10300	PAC																		
1104		04TX-11722																		
1105		1195168	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1106		77400411	RENEWAL		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1107	10300 Total					16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
1108																				
1109	IM CONFIRMED Total					16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
1110																				

Table 13.2
2016 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FY 2016 Sales forecast as of 06/30/2015																		
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg	
3	Company/Contract																		
4	FPT One-Year																		
5	10016	Avista																	
6		DE-MS79-85BP92186																	
7		453495	LEGACY			32	32	32	32	32	32	32	32	32	32	32	32	32	32
8	10016 Total					32	32	32	32	32	32	32	32	32	32	32	32	32	32
9																			
10	10135	Douglas																	
11		DE-MS79-80BP90066																	
12		(blank)	LEGACY			2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	10135 Total					2	2	2	2	2	2	2	2	2	2	2	2	2	2
14																			
15	10300	PAC																	
16		DE-MS79-94BP94280																	
17		422032	LEGACY			200	200	200	200	200	200	200	200	200	200	200	200	200	200
18		DE-MS79-94BP94333																	
19		1801200	LEGACY			35	35	35	35	35	35	35	35	35	35	35	35	35	35
20		1801201	LEGACY			40	40	40	40	40	40	40	40	40	40	40	40	40	40
21		1801202	LEGACY			84	84	84	84	84	84	84	84	84	84	84	84	84	84
22		1801203	LEGACY			241	241	241	241	241	241	241	241	241	241	241	241	241	241
23		1801397	LEGACY			55	55	55	55	55	55	55	55	55	55	55	55	55	55
24		1801398	LEGACY			145	145	145	145	145	145	145	145	145	145	145	145	145	145
25	10300 Total					800	800	800	800	800	800	800	800	800	800	800	800	800	800
26																			
27	10317	PRC																	
28		DE-MS79-95BP94151																	
29		422176	LEGACY			50	50	50	50	50	50	50	50	50	50	50	50	50	50
30	10317 Total					50	50	50	50	50	50	50	50	50	50	50	50	50	50
31																			
32	10325	Puget																	
33		DE-MS79-85BP92185																	
34		422177	LEGACY			32	32	32	32	32	32	32	32	32	32	32	32	32	32
35	10325 Total					32	32	32	32	32	32	32	32	32	32	32	32	32	32
36																			
37	FPT One-Year Total					917	917	917	917	917	917	917	917	917	917	917	917	917	917
38																			
39	FPT Three-Year																		
40	10300	PAC																	
41		14-03-14612																	
42		1801204/5	LEGACY			66	76	87	87	79	73	69	68	63	65	67	66	66	72
43	10300 Total					66	76	87	87	79	73	69	68	63	65	67	66	66	72
44																			
45	FPT Three-Year Total					66	76	87	87	79	73	69	68	63	65	67	66	66	72
46																			
47	IR																		
48	10325	Puget																	
49		14-03-45241																	
50		1801608	LEGACY			266	266	266	266	266	266	266	266	266	266	266	266	266	266
51	10325 Total					266	266	266	266	266	266	266	266	266	266	266	266	266	266
52																			
53	IR Total					266	266	266	266	266	266	266	266	266	266	266	266	266	266
54																			
55	PTP CONFIRMED																		
56	10007	Alcoa																	
57		01TX-10630																	
58		77208678	RENEWAL			12	12	12	12	12	12	12	12	12	12	12	12	12	12
59		77208409	RENEWAL			26	26	26	26	26	26	26	26	26	26	26	26	26	26
60		77208424	RENEWAL			8	8	8	8	8	8	8	8	8	8	8	8	8	8
61		77208444	RENEWAL			9	9	9	9	9	9	9	9	9	9	9	9	9	9
62		77208977	RENEWAL			47	47	47	47	47	47	47	47	47	47	47	47	47	47
63		77208984	RENEWAL			15	15	15	15	15	15	15	15	15	15	15	15	15	15
64		77208846	RENEWAL			26	26	26	26	26	26	26	26	26	26	26	26	26	26
65		77208855	RENEWAL			8	8	8	8	8	8	8	8	8	8	8	8	8	8
66		77208882	RENEWAL			11	11	11	11	11	11	11	11	11	11	11	11	11	11
67		77208899	RENEWAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3
68		77208633	RENEWAL			11	11	11	11	11	11	11	11	11	11	11	11	11	11
69		77208648	RENEWAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3
70		77208654	RENEWAL			11	11	11	11	11	11	11	11	11	11	11	11	11	11
71		77208559	RENEWAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3
72		77208909	RENEWAL			31	31	31	31	31	31	31	31	31	31	31	31	31	31
73		77208934	RENEWAL			10	10	10	10	10	10	10	10	10	10	10	10	10	10
74		77208962	RENEWAL			75	75	75	75	75	75	75	75	75	75	75	75	75	75
75		77208965	RENEWAL			23	23	23	23	23	23	23	23	23	23	23	23	23	23
76		77208698	RENEWAL			22	22	22	22	22	22	22	22	22	22	22	22	22	22
77		77208709	RENEWAL			7	7	7	7	7	7	7	7	7	7	7	7	7	7
78		77208661	RENEWAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3
79		77208675	RENEWAL			39	39	39	39	39	39	39	39	39	39	39	39	39	39
80	10007 Total					403	403	403	403	403	403	403	403	403	403	403	403	403	403
81																			
82	10016	Avista																	
83		96MS-96008																	
84		1468405	ORIGINAL			75	75	75	75	75	75	75	75	75	75	75	75	75	75
85		1468727	DEFERRAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50
86		1801278	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	-	-	42
87		1801279	ORIGINAL			147	147	147	147	147	147	147	147	147	147	147	-	-	123
88		1801284	ORIGINAL			196	196	196	196	196	196	196	196	196	196	196	-	-	163
89		71358397	RECALL			(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	-	-	(42)
90		73613033	ORIGINAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100
91	10016 Total					568	568	568											

Table 13.2
2016 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FY 2016 Sales forecast as of 06/30/2015																		
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg	
3	Company/Contract																		
92	10024 Benton PUD																		
93	97TX-10041																		
94	1800329	ORIGINAL				6	6	6	6	6	6	6	6	6	6	6	6	6	6
95	1800338	ORIGINAL				16	16	16	16	16	16	16	16	16	16	16	16	16	16
96	1800343	ORIGINAL				16	16	16	16	16	16	16	16	16	16	16	16	16	16
97	1800354	ORIGINAL				29	29	29	29	29	29	29	29	29	29	29	29	29	29
98	1801465	ORIGINAL				3	3	3	3	3	3	3	3	3	3	3	3	3	3
99	71821795	REDIRECT				6	6	6	6	6	6	6	6	6	6	6	6	6	6
100	1800377	ORIGINAL				64	64	64	64	64	64	64	64	64	64	64	64	64	64
101	1800379	ORIGINAL				102	102	102	102	102	102	102	102	102	102	102	102	102	102
102	1801385	ORIGINAL				1	1	1	1	1	1	1	1	1	1	1	1	1	1
103	1800333	ORIGINAL				15	15	15	15	15	15	15	15	15	15	15	15	15	15
104	1800364	ORIGINAL				28	28	28	28	28	28	28	28	28	28	28	28	28	28
105	71821291	REDIRECT				6	6	6	6	6	6	6	6	6	6	6	6	6	6
106	1800366	ORIGINAL				35	35	35	35	35	35	35	35	35	35	35	35	35	35
107	1800373	ORIGINAL				42	42	42	42	42	42	42	42	42	42	42	42	42	42
108	1800375	ORIGINAL				54	54	54	54	54	54	54	54	54	54	54	54	54	54
109	10024 Total					423	423	423	423	423	423	423	423	423	423	423	423	423	423
110	10033 BPA Power																		
111	96MS-96060																		
112	Multiple	ORIGINAL				664	664	664	664	664	664	664	664	664	664	665	665	664	664
113	71568010	ORIGINAL				60	15	15	15	15	15	15	-	-	-	-	-	-	13
114	14TX-95363																		
115	1469289	ORIGINAL				116	116	116	116	116	116	116	116	116	116	116	116	116	116
116	1469291	ORIGINAL				88	88	88	88	88	88	88	88	88	88	88	88	88	88
117	1470201	ORIGINAL				109	109	109	109	109	109	109	109	109	109	109	109	109	109
118	1800939	ORIGINAL				1	1	1	1	1	1	1	1	1	1	1	1	1	1
119	1800940	ORIGINAL				2	2	2	2	2	2	2	2	2	2	2	2	2	2
120	1800941	ORIGINAL				2	2	2	2	2	2	2	2	2	2	2	2	2	2
121	1800942	ORIGINAL				2	2	2	2	2	2	2	2	2	2	2	2	2	2
122	1800943	ORIGINAL				3	3	3	3	3	3	3	3	3	3	3	3	3	3
123	1800944	ORIGINAL				4	4	4	4	4	4	4	4	4	4	4	4	4	4
124	1800945	ORIGINAL				5	5	5	5	5	5	5	5	5	5	5	5	5	5
125	1800946	ORIGINAL				5	5	5	5	5	5	5	5	5	5	5	5	5	5
126	1800947	ORIGINAL				6	6	6	6	6	6	6	6	6	6	6	6	6	6
127	1800948	ORIGINAL				8	8	8	8	8	8	8	8	8	8	8	8	8	8
128	1800949	ORIGINAL				12	12	12	12	12	12	12	12	12	12	12	12	12	12
129	321890	ORIGINAL				90	90	90	90	90	90	90	90	90	90	90	90	90	90
130	1800097	ORIGINAL				1	1	1	1	1	1	1	1	1	1	1	1	1	1
131	1800100	ORIGINAL				10	10	10	10	10	10	10	10	10	10	10	10	10	10
132	1800103	ORIGINAL				11	11	11	11	11	11	11	11	11	11	11	11	11	11
133	1800106	ORIGINAL				15	15	15	15	15	15	15	15	15	15	15	15	15	15
134	1800109	ORIGINAL				17	17	17	17	17	17	17	17	17	17	17	17	17	17
135	1800112	ORIGINAL				23	23	23	23	23	23	23	23	23	23	23	23	23	23
136	1800115	ORIGINAL				23	23	23	23	23	23	23	23	23	23	23	23	23	23
137	1800118	ORIGINAL				23	23	23	23	23	23	23	23	23	23	23	23	23	23
138	1800121	ORIGINAL				27	27	27	27	27	27	27	27	27	27	27	27	27	27
139	1800124	ORIGINAL				30	30	30	30	30	30	30	30	30	30	30	30	30	30
140	1800127	ORIGINAL				48	48	48	48	48	48	48	48	48	48	48	48	48	48
141	1800130	ORIGINAL				64	64	64	64	64	64	64	64	64	64	64	64	64	64
142	1800133	ORIGINAL				64	64	64	64	64	64	64	64	64	64	64	64	64	64
143	1800137	ORIGINAL				287	287	287	287	287	287	287	287	287	287	287	287	287	287
144	78395391	REDIRECT				184	184	184	184	184	184	184	184	184	184	184	184	184	184
145	77078633	RENEWAL				8	8	8	8	8	8	8	8	8	8	8	8	8	8
146	77078601	RENEWAL				17	17	17	17	17	17	17	17	17	17	17	17	17	17
147	79879849	ORIGINAL				24	24	24	24	24	24	24	24	24	24	24	24	24	24
148	77176374	REDIRECT				25	25	25	25	25	25	25	25	25	25	25	25	25	25
149	77176386	REDIRECT				25	25	25	25	25	25	25	25	25	25	25	25	25	25
150	79471716	RENEWAL				53	53	53	53	53	53	53	53	53	53	53	53	53	53
151	79497143	RENEWAL				116	116	116	116	116	116	116	116	116	116	116	116	116	116
152	79647304	RENEWAL				297	297	297	297	297	297	297	297	297	297	297	297	297	297
153	10033 Total					2,569	2,524	2,524	2,524	2,524	2,524	2,524	2,509	2,509	2,459	2,460	2,460	2,460	2,509
154	10037 Powerex																		
155	96MS-96084																		
156	1465922	ORIGINAL				230	230	230	230	230	230	230	230	230	230	230	230	230	230
157	99TX-10251																		
158	74490405	RENEWAL				12	12	12	12	12	12	12	12	12	12	12	12	12	12
159	75753552	RENEWAL				193	193	193	193	193	193	193	193	193	193	193	193	193	193
160	77478534	ORIGINAL				80	80	80	80	80	80	80	80	80	80	80	80	80	80
161	77105600	RENEWAL				102	102	102	102	102	102	102	102	102	102	102	102	102	102
162	77821635	RENEWAL				-	-	-	125	125	125	125	125	125	125	125	125	125	94
163	77821638	RENEWAL				-	-	-	75	75	75	75	75	75	75	75	75	75	56
164	80180555	RENEWAL				348	348	348	348	348	348	348	348	348	348	348	348	348	348
165	77953364	REDIRECT				125	125	125	-	-	-	-	-	-	-	-	-	-	31
166	77953371	REDIRECT				75	75	75	-	-	-	-	-	-	-	-	-	-	19
167	80380906	ORIGINAL				-	-	-	-	-	-	-	-	-	-	-	-	-	4
168	80380913	ORIGINAL				-	-	-	-	-	-	-	-	-	-	-	-	-	4
169	10037 Total					1,165	1,165	1,165	1,165	1,165	1,165	1,165	1,165	1,165	1,165	1,165	1,165	1,265	1,173

Table 13.2
2016 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2016 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																			
173																				
174	10050	Chelan																		
175		01TX-10714																		
176		72041989	RENEWAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
177	10050 Total				8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
178																				
179	10103	Clark																		
180		02TX-11177																		
181		73198880	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
182		73198888	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
183		73198896	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
184	10103 Total				75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
185																				
186	10105	Clatskanie																		
187		01TX-10649																		
188		1321619	ORIGINAL		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
189		1321623	ORIGINAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
190		1321630	ORIGINAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
191		1321632	ORIGINAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
192		1321634	ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
193		1800705	ORIGINAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
194		1800709	ORIGINAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
195		1800717	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
196		1800721	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
197		1800725	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
198		1800729	ORIGINAL		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
199		1800735	ORIGINAL		14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
200		1800737	ORIGINAL		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
201		1800740	ORIGINAL		23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
202		1800741	ORIGINAL		36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
203	10105 Total				147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
204																				
205	10183	Franklin County																		
206		97TX-10043																		
207		1466591	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
208		1468490	ORIGINAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
209		1469388	ORIGINAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
210		1471445	REDIRECT		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
211		1472430	REDIRECT		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
212		1801660	ORIGINAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
213		1801665	ORIGINAL		27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
214		1801670	ORIGINAL		17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
215		1801675	ORIGINAL		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
216		1801685	ORIGINAL		22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
217		1801690	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
218		1801695	ORIGINAL		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
219		1801700	ORIGINAL		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
220		1801705	ORIGINAL		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
221		1801710	ORIGINAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
222		71630464	ORIGINAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
223	10183 Total				183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183
224																				
225	10190	Grant																		
226		01TX-10679																		
227		74475223	RENEWAL		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
228		76084927	REDIRECT		150	150	150	-	-	-	-	-	-	-	-	-	-	-	-	-
229	10190 Total				162	162	162	12	12	12	12	12	12	12	12	12	12	12	12	50
230																				
231	10191	Grays Harbor																		
232		96MS-96083																		
233		1179595	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
234		1800868	ORIGINAL		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
235		1800869	ORIGINAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
236		1800870	ORIGINAL		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
237		1800871	ORIGINAL		18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
238		1800872	ORIGINAL		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
239		1800873	ORIGINAL		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
240		1800874	ORIGINAL		26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
241		1800875	ORIGINAL		33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
242		1800876	ORIGINAL		37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
243		1800877	ORIGINAL		62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
244		1801266	ORIGINAL		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
245		1801468	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
246		71316632	REDIRECT		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
247		72080322	REDIRECT		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
248		72080765	REDIRECT		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
249	10191 Total				280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280

Table 13.2
2016 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2016 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																			
425	10306 Pend Oreille																			
426	02TX-10875																			
427																				
428		76277035	RENEWAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
429		76277045	RENEWAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
430		76277050	RENEWAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
431		76277055	RENEWAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
432		76277060	RENEWAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
433		76277018	RENEWAL			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
434		76277021	RENEWAL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
435		76277025	RENEWAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
436		76277031	RENEWAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
437		76277086	RENEWAL			9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
438		76277063	RENEWAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
439		76277065	RENEWAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
440		76277067	RENEWAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
441	10306 Total					40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
442																				
443	10314 PGE																			
444	98TX-10174																			
445		73970915	ORIGINAL			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
446	09TX-14507																			
447		78857909	DEFERRAL			45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
448		79042182	RENEWAL			250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
449		79042267	RENEWAL			270	270	270	270	270	270	270	270	270	270	270	270	270	270	270
450		79099396	RENEWAL			27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
451		79099468	RENEWAL			161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
452		79099506	RENEWAL			169	169	169	169	169	169	169	169	169	169	169	169	169	169	169
453		79099585	RENEWAL			279	279	279	279	279	279	279	279	279	279	279	279	279	279	279
454		79593334	REDIRECT			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
455		79593338	REDIRECT			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
456		79042492	RENEWAL			531	531	531	531	531	531	531	531	531	531	531	531	531	531	531
457		79099382	RENEWAL			160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
458		79109702	RENEWAL			131	131	131	131	131	131	131	131	131	131	131	131	131	131	131
459		79058520	RENEWAL			150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
460		79734273	RENEWAL			300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
461		79058581	RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
462		79058669	RENEWAL			250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
463		80394054	ORIGINAL			-	-	-	50	50	50	50	50	50	50	50	50	50	50	38
464		80394057	ORIGINAL			-	-	-	50	50	50	50	50	50	50	50	50	50	50	38
465		80394059	ORIGINAL			-	-	-	50	50	50	50	50	50	50	50	50	50	50	38
466		80394065	ORIGINAL			-	-	-	50	50	50	50	50	50	50	50	50	50	50	38
467		80394050	ORIGINAL			-	-	-	50	50	50	50	50	50	50	50	50	50	50	38
468		80394051	ORIGINAL			-	-	-	50	50	50	50	50	50	50	50	50	50	50	38
469		80394113	ORIGINAL			-	-	-	50	50	50	50	50	50	50	50	50	50	50	38
470	10314 Total					2,808	2,808	2,808	3,158	3,158	3,158	3,158	3,158	3,158	3,158	3,158	3,158	3,158	3,158	3,071
471																				
472	10317 PRC																			
473	12TX-15681																			
474		76938843	ORIGINAL			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
475	10317 Total					6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
476																				
477	10325 Puget																			
478	06TX-12195																			
479		1471793	REDIRECT			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
480		1471795	REDIRECT			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
481		1471797	REDIRECT			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
482		1471799	REDIRECT			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
483		1471801	REDIRECT			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
484		1471803	REDIRECT			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
485		1473142	REDIRECT			250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
486		71365495	RENEWAL			400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
487		71984715	REDIRECT			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
488		72813104	ORIGINAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
489		72706601	ORIGINAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
490		72706605	ORIGINAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
491		72706606	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
492		72706608	ORIGINAL			43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
493		77286231	RENEWAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
494		77286242	RENEWAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
495		77855235	REDIRECT			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
496		76213396	REDIRECT			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
497		76213399	REDIRECT			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
498		76213403	REDIRECT			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
499		77286223	RENEWAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
500		73395728	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
501		76041858	RENEWAL			94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
502		76213391	REDIRECT			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
503		78527177	RENEWAL			263	263													

Table 13.2
2016 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FY 2016 Sales forecast as of 06/30/2015																		
2	<u>Rate/Status</u>	<u>ARef</u>	<u>Type</u>			<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Avg</u>	
3	<u>Company/Contract</u>																		
614	10370 Tacoma Power																		
615	98TX-10103																		
616																			
617		1472937	ORIGINAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2
618		1800542	ORIGINAL			19	19	19	19	19	19	19	19	19	19	19	19	19	19
619		1800543	ORIGINAL			23	23	23	23	23	23	23	23	23	23	23	23	23	23
620		1800544	ORIGINAL			24	24	24	24	24	24	24	24	24	24	24	24	24	24
621		1800545	ORIGINAL			25	25	25	25	25	25	25	25	25	25	25	25	25	25
622		1800546	ORIGINAL			44	44	44	44	44	44	44	44	44	44	44	44	44	44
623		1800547	ORIGINAL			52	52	52	52	52	52	52	52	52	52	52	52	52	52
624		1800548	ORIGINAL			54	54	54	54	54	54	54	54	54	54	54	54	54	54
625		1800550	ORIGINAL			82	82	82	82	82	82	82	82	82	82	82	82	82	82
626		1800551	ORIGINAL			99	99	99	99	99	99	99	99	99	99	99	99	99	99
627		1800565	ORIGINAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1
628		1800566	ORIGINAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1
629		1800567	ORIGINAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1
630		1800568	ORIGINAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1
631		1800569	ORIGINAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2
632		1800570	ORIGINAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2
633		1800571	ORIGINAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2
634		1800572	ORIGINAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3
635		1800573	ORIGINAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3
636		1800574	ORIGINAL			6	6	6	6	6	6	6	6	6	6	6	6	6	6
637		1801317	ORIGINAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2
638		1801318	ORIGINAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2
639		1801319	ORIGINAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3
640		1801501	ORIGINAL			12	12	12	12	12	12	12	12	12	12	12	12	12	12
641		75108469	ORIGINAL			64	64	64	64	64	64	64	64	64	64	64	64	64	64
642		75108338	ORIGINAL			155	155	155	155	155	155	155	155	155	155	155	155	155	155
643		80062909	REDIRECT			10	10	10	10	10	10	10	10	10	10	10	10	10	10
644		80062920	REDIRECT			3	3	3	3	3	3	3	3	3	3	3	3	3	3
645		80062924	REDIRECT			56	56	56	56	56	56	56	56	56	56	56	56	56	56
646		80062905	REDIRECT			48	48	48	48	48	48	48	48	48	48	48	48	48	48
647	10370 Total					801	801	801	801	801	801	801	801	801	801	801	801	801	801
648																			
649	10381 TEMUS																		
650	98TX-10172																		
651		73918209	ORIGINAL			100	100	100	100	100	100	-	-	-	-	-	-	-	50
652		73918184	ORIGINAL			50	50	50	50	50	50	-	-	-	-	-	-	-	25
653		78976989	ORIGINAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100
654	10381 Total					250	250	250	250	250	250	100	100	100	100	100	100	100	100
655																			
656	10386 Turlock Irrigation																		
657	00TX-10344																		
658		77517818	RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50
659		77517830	RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50
660	10386 Total					100	100	100	100	100	100	100	100	100	100	100	100	100	100
661																			
662	10874 Sagebrush Power																		
663	11TX-15454																		
664		80073937	RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50
665	10874 Total					50	50	50	50	50	50	50	50	50	50	50	50	50	50
666																			
667	11021 Eurus Comb																		
668	09TX-14147																		
669		73473061	REDIRECT			62	62	62	62	62	62	62	62	62	62	62	62	62	62
670	11021 Total					62	62	62	62	62	62	62	62	62	62	62	62	62	62
671																			
672	11122 Finley Bioenergy																		
673	07TX-12488																		
674		71689868	ORIGINAL			4	4	4	4	4	4	4	4	4	4	4	4	4	4
675		71915090	ORIGINAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1
676	11122 Total					5	5	5	5	5	5	5	5	5	5	5	5	5	5
677																			
678	11768 Arlington																		
679	07TX-12526																		
680		72296939	DEFERRAL			25	25	25	25	25	25	25	25	25	25	25	25	25	25
681	11768 Total					25	25	25	25	25	25	25	25	25	25	25	25	25	25
682																			
683	11822 EDF Renewable																		
684	08TX-13169																		
685		80039833	ORIGINAL			-	-	-	50	50	50	50	50	50	50	50	50	50	38
686		80039918	ORIGINAL			-	-	-	50	50	50	50	50	50	50	50	50	50	38
687		80217176	DEFERRAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50
688		80652978	REDIRECT			-	-	-	100	100	100	100	100	100	100	100	100	100	75
689		80652999	REDIRECT			-	-	-	100	100	100	100	100	100	100	100	100	100	75
690	11822 Total					50	50	50	350	350	350	350	350	350	350	350	350	350	350
691																			
692	11831 PPL EnergyPlus																		
693	08TX-13030																		
694		72408392	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50
695		73063071	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50
696	11831 Total					100	100	100	100	100	100	100	100	100	100	100	100	100	100
697																			
698	11868 Wheat Field Wind																		
699	08TX-13610																		
700		72458260	ORIGINAL			97	97	97	97	97	97	97	97	97	97	97	97	97	97
701	11868 Total					97	97	97	97	97	97	97	97	97	97	97	97	97	97

Table 13.2
2016 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FY 2016 Sales forecast as of 06/30/2015																		
2	Rate/Status	ARef	Type				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg
3	Company/Contract																		
702																			
703	11875	Patu Wind Farm																	
704		08TX-13657																	
705		74128031 REDIRECT	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
706	11875 Total																		
707			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
708																			
709	11935	Diversified Energy																	
710		09TX-14135																	
711		80430701 ORIGINAL	-	-	-	100	100	100	100	100	100	100	100	100	100	100	100	100	100
712		80430720 ORIGINAL	-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	50
713		80430731 ORIGINAL	-	-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	50
714	11935 Total																		
715			-	-	-	200	200	200	200	200	200	200	200	200	200	200	200	200	200
716																			
717	11951	Outback Solar																	
718		11TX-15513																	
719		77311998 REDIRECT	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
720	11951 Total																		
721			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
722																			
723	12077	Kaiser Alum WA																	
724		11TX-15371																	
725		76231445 ORIGINAL	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
726		77478544 ORIGINAL	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
727	12077 Total																		
728			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
729																			
730	13140	JC-B																	
731		13TX-15809																	
732		78685544 ORIGINAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
733	13140 Total																		
734			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
735																			
736	13227	POTB																	
737		13TX-15849																	
738		78391247 DEFERRAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
739	13227 Total																		
740			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
741																			
742	PTP CONFIRMED Total Subject to SCD						24,609	24,564	24,564	25,204	25,204	25,204	24,954	24,939	24,939	24,640	24,298	24,390	24,792
743																			
744	PTP CONFIRMED NO SCD																		
745																			
746	10244	Lower Valley																	
747		08TX-13671																	
748		78866292 ORIGINAL	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
749	10244 Total																		
750			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
751																			
752	10427	UAMPS																	
753		11TX-15512																	
754		77309382 ORIGINAL	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
755	10427 Total																		
756			53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
757																			
758	11703	L & M																	
759		06TX-12244																	
760		72873760 RENEWAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
761	11703 Total																		
762			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
763																			
764	11756	Raft River Energy																	
765		07TX-12449																	
766		1471160 ORIGINAL	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
767	11756 Total																		
768			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
769																			
770	PTP CONFIRMED Total Not Subject to SCD						68	68	68	68	68	68	68	68	68	68	68	68	68
771																			
772	PTP SDD																		
773																			
774	10183	Franklin County																	
775		97TX-10043																	
776		1466591 SDD	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
777		1472430 SDD	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
778	10183 Total																		
779			(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
780																			
781	10190	Grant																	
782		01TX-10679																	
783		76084927 SDD	(60)	(60)	(60)	-	-	-	-	-	-	-	-	-	-	-	-	-	(15)
784	10190 Total																		
785			(60)	(60)	(60)	-	-	-	-	-	-	-	-	-	-	-	-	-	(15)
786																			
787	10205	Idaho Power Company																	
788		12TX-15618																	
789		77108132 SDD	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
790		77108133 SDD	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
791	10205 Total																		
792			(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
793																			
794	10231	Klickitat																	
795		97TX-10038																	
796		79467143 SDD	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
797	10231 Total																		
798			(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
799																			
800	10255	Middle Fork																	
801		05TX-11927																	
802		1466103 SDD	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
803		1469988 SDD	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
804	10255 Total																		
805			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Table 13.2
2016 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2016 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																			
789																				
790	10300	PAC																		
791		04TX-11722																		
792		73518379 SDD	(58)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(5)	
793		73518383 SDD	(24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(2)	
794		77424318 SDD	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	
795		77424414 SDD	(52)	(52)	(52)	(52)	(52)	(52)	(52)	(52)	(52)	(52)	(52)	(52)	(52)	(52)	(52)	(52)	(52)	
796		77810169 SDD	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	
797		77322823 SDD	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
798		76191343 SDD	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	
799		77810173 SDD	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
800		77424479 SDD	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	
801		76522087 SDD	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	
802		80207131 SDD	-	(58)	(58)	(58)	(58)	(58)	(58)	(58)	(58)	(58)	(58)	(58)	(58)	(58)	(58)	(58)	(58)	
803		80207119 SDD	-	(24)	(24)	(24)	(24)	(24)	(24)	(24)	(24)	(24)	(24)	(24)	(24)	(24)	(24)	(24)	(24)	
804	10300 Total			(242)	(242)	(242)	(242)	(242)	(242)	(242)	(242)	(242)	(242)	(242)	(242)	(242)	(242)	(242)	(242)	
805																				
806	10302	Iberdrola																		
807		00TX-10367																		
808		78287943 SDD	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	
809		77079897 SDD	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	
810		77410610 SDD	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	
811		77079910 SDD	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	
812		77410538 SDD	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	
813		77410542 SDD	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	
814	10302 Total			(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	
815																				
816	10325	Puget																		
817		06TX-12195																		
818		80701818 SDD	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	
819	10325 Total			(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	
820																				
821	10341	SMUD																		
822		02TX-11128																		
823		77703370 SDD	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
824		79132005 SDD	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
825		80652459 SDD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
826		80407825 SDD	-	-	-	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
827	10341 Total			(3)	(3)	(3)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	
828																				
829	10361	SC Edison																		
830		10TX-14641																		
831		75978147 SDD	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	
832		75978181 SDD	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	
833		75978191 SDD	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	
834		75978193 SDD	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	
835		76252310 SDD	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	
836		76252318 SDD	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	
837		76252286 SDD	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	
838		76252295 SDD	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	
839		76252305 SDD	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	
840	10361 Total			(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	
841																				
842	10427	UAMPS																		
843		11TX-15512																		
844		77309382 SDD	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	
845	10427 Total			(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	
846																				
847	11756	Raft River Energy																		
848		07TX-12449																		
849		1471160 SDD	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
850	11756 Total			(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
851																				
852	13140	JC-B																		
853		13TX-15809																		
854		78685544 SDD	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
855	13140 Total			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
856																				
857	13227	POTB																		
858		13TX-15849																		
859		78391247 SDD	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
860	13227 Total			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
861																				
862	PTP SDD Total			(536.5)	(536.5)	(536.5)	(477.2)	(477.2)	(477.2)	(477.2)	(477.2)	(477.2)	(477.2)	(477.2)	(477.2)	(477.2)	(477.2)	(477.2)	(477.2)	
863																				
864	PTP CF CONFIRMED																			
865	10037	Powerex																		
866		99TX-10251																		
867		80552504 ORIGINAL	-	-	-	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
868	10037 Total			-	-	-	100	100	100	100	100	100	100	100	100	100	100	100	100	
869																				
870	10122	Shell Energy																		
871		00TX-10286																		
872		74928222 DEFERRAL	125	125	125	125	125	125	125	125	125	125	-	-	-	-	-	-	73	
873	10122 Total			125	125	125	125	125	125	125	125	125	-	-	-	-	-	-	-	

Table 13.2
2016 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FY 2016 Sales forecast as of 06/30/2015																		
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg	
3	Company/Contract																		
874																			
875	10300	PAC																	
876		04TX-11722																	
877		77119166	REDIRECT		88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
878		79131028	ORIGINAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
879	10300 Total					96	96	96	96	96	96	96	96	96	96	96	96	96	96
880																			
881	10302	Iberdrola																	
882		00TX-10367																	
883		80249998	DEFERRAL		-	-	50	50	50	50	50	50	50	50	50	50	50	50	42
884	10302 Total					-	-	50	50	50	50	50	50	50	50	50	50	50	42
885																			
886	10314	PGE																	
887		09TX-14507																	
888		78858032	DEFERRAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
889		80402010	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
890		80402046	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
891		80402067	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
892		80402081	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
893		80401925	ORIGINAL		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
894		80401947	ORIGINAL		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
895		80401970	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
896		80402096	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
897		80402109	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
898	10314 Total					367	367	367	367	367	367	367	367	367	367	367	367	367	367
899																			
900	10325	Puget																	
901		06TX-12195																	
902		74856145	ORIGINAL		12	12	-	-	-	-	-	-	-	-	-	-	-	-	2
903		77565922	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
904		77565931	ORIGINAL		40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
905	10325 Total					102	102	90	90	90	90	90	90	90	90	90	90	90	92
906																			
907	10381	TEMUS																	
908		98TX-10172																	
909		74623837	DEFERRAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
910	10381 Total					100	100	100	100	100	100	100	100	100	100	100	100	100	100
911																			
912	PTP CF CONFIRMED Total					790	790	828	928	928	928	928	803	803	803	803	803	803	845
913																			
914	PTP EXPECTATION																		
915	10016	Avista																	
916		96MS-96008																	
917		1801279R	RENEWAL		-	-	-	-	-	-	-	-	-	-	-	97	97	16	
918		1801278R	RENEWAL		-	-	-	-	-	-	-	-	-	-	-	50	50	8	
919		1801284R	RENEWAL		-	-	-	-	-	-	-	-	-	-	-	196	196	33	
920	10016 Total					-	-	-	-	-	-	-	-	-	-	343	343	57	
921																			
922	10037	Powerex																	
923		99TX-10251																	
924		81027561S	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	-	46
925		81027565S	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	-	46
926	10037 Total					100	100	100	100	100	100	100	100	100	100	100	100	100	-
927																			
928	10103	Clark																	
929		02TX-11177																	
930		73198892S	ORIGINAL		-	-	-	25	25	25	25	25	25	25	25	25	25	25	19
931	10103 Total					-	-	-	25	25	25	25	25	25	25	25	25	25	19
932																			
933	10190	Grant																	
934		01TX-10679																	
935		76084927R	RENEWAL		-	-	-	150	150	150	150	150	150	150	150	150	150	150	113
936	10190 Total					-	-	-	150	150	150	150	150	150	150	150	150	150	113
937																			
938	10241	LADWP																	
939		02TX-10944																	
940		73198926S	ORIGINAL		-	-	-	72	72	72	72	72	72	72	72	72	72	72	54
941	10241 Total					-	-	-	72	72	72	72	72	72	72	72	72	72	54
942																			
943	10300	PAC																	
944		04TX-11722																	
945		73604581R	RENEWAL		-	-	-	70	70	70	70	70	70	70	70	70	70	70	53
946		74636110R	RENEWAL		-	-	-	-	-	-	-	-	-	-	-	-	-	8	1
947		80419616R	RENEWAL		-	-	-	-	-	-	-	-	-	-	222	222	222	56	
948		80419677R	RENEWAL		-	-	-	-	-	-	-	-	-	-	18	18	18	5	
949	10300 Total					-	-	-	70	70	70	70	70	70	310	310	318	113	
950																			
951	10302	Iberdrola																	
952		00TX-10367																	
953		74371962R	RENEWAL		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
954		77325065R	RENEWAL		-	-	-	-	-	-	25	25	25	25	25	25	25	13	
955		77325070R	RENEWAL		-	-	-	-	-	-	25	25	25	25	25	25	25	13	
956		77325077R	RENEWAL		-	-	-	-	-	-	25	25	25	25	25	25	25	13	
957		77325082R	RENEWAL		-	-	-	-	-	-	25	25	25	25	25	25	25	13	
958		77343691S	ORIGINAL		-	-	-	100	100	100	100	100	100	100	100	100	100	75	
959		78268073S	ORIGINAL		-	-	-	50	50	50	50	50	50	50	50	50	50	38	
960		73280124S	ORIGINAL		-	-	-	50	50	50	50	50	50	50	50	50	50	38	
961	10302 Total					21	21	21	221	221	221	321	321	321	321	321	321	321	221
962																			
963	10314	PGE																	
964		96MS-96095																	
965		72637692R	RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
966	10314 Total					100	100	100	100	100	100	100	100	100	100	100	100	100	100

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2016 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2016 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg	
3	Company/Contract																			
967	10325	Puget																		
968		06TX-12195																		
969		80905726S	ORIGINAL				-	-	-	-	-	-	-	-	-	8	8	8		2
970																				
971	10325 Total																			
972							-	-	-	-	-	-	-	-	-	8	8	8		2
973	10341	SMUD																		
974		02TX-11128																		
975		80407825D	RECALL				-	-	-	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(8)
976	10341 Total																			
977							-	-	-	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(8)
978	10381	TEMUS																		
979		98TX-10172																		
980		73918209R	RENEWAL				-	-	-	-	-	-	100	100	100	100	100	100	100	50
981		73918184R	RENEWAL				-	-	-	-	-	-	50	50	50	50	50	50	50	25
982	10381 Total																			
983							-	-	-	-	-	-	150	150	150	150	150	150	150	75
984	11822	EDF Renewable																		
985		08TX-13169																		
986		80217176D	RECALL				(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)
987		80039833D	RECALL				-	-	-	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(38)
988		80039918D	RECALL				-	-	-	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(38)
989		80652978D	RECALL				-	-	-	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(75)
990		80652999D	RECALL				-	-	-	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(75)
991	11822 Total																			
992							(50)	(50)	(50)	(350)	(350)	(350)	(350)	(350)	(350)	(350)	(350)	(350)	(350)	(275)
993	11935	Diversified Energy																		
994		09TX-14135																		
995		80430701D	RECALL				-	-	-	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(75)
996		80430720D	RECALL				-	-	-	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(38)
997		80430731D	RECALL				-	-	-	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(38)
998	11935 Total																			
999							-	-	-	(200)	(200)	(200)	(200)	(200)	(200)	(200)	(200)	(200)	(200)	(150)
1000	PTP EXPECTATION Total						171	171	171	178	178	178	428	428	428	676	1,019	927	413	
1001	PTP SDD EXPECTATION																			
1002	10190	Grant																		
1003		01TX-10679																		
1004		76084927R	SDD				-	-	-	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(45)
1005	10190 Total																			
1006							-	-	-	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(45)
1007	10341	SMUD																		
1008		02TX-11128																		
1009		80407825D	SDD				-	-	-	1	1	1	1	1	1	1	1	1	1	1
1010	10341 Total																			
1011							-	-	-	1	1	1	1	1	1	1	1	1	1	1
1012	PTP SDD EXPECTATION Total						-	-	-	(59)	(59)	(59)	(59)	(59)	(59)	(59)	(59)	(59)	(59)	(44)
1013	PTP CF EXPECTATION																			
1014	0	Unk																		
1015		UNKNOWN																		
1016		unknown	ORIGINAL				600	600	600	600	600	600	600	600	600	600	600	600	600	600
1017	0 Total																			
1018							600	600	600	600	600	600	600	600	600	600	600	600	600	600
1019	PTP CF EXPECTATION Total																			
1020							600	600	600	600	600	600	600	600	600	600	600	600	600	600
1021	10122	Shell Energy																		
1022		00TX-10286																		
1023		74928222R	RENEWAL				-	-	-	-	-	-	-	125	125	125	125	125	125	52
1024		77767024S	ORIGINAL				141	141	141	141	141	141	141	141	141	141	141	141	141	141
1025	10122 Total																			
1026							141	141	141	141	141	141	141	266	266	266	266	266	266	193
1027	10302	Iberdrola																		
1028		00TX-10367																		
1029		80249998D	RECALL				-	-	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(42)
1030		73658753S	ORIGINAL				33	33	33	33	33	33	33	33	33	33	33	33	33	33
1031	10302 Total																			
1032							33	33	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(9)
1033	10325	Puget																		
1034		06TX-12195																		
1035		74856145R	RENEWAL				-	-	12	12	12	12	12	12	12	12	12	12	12	10
1036	10325 Total																			
1037							-	-	12	12	12	12	12	12	12	12	12	12	12	10
1038	PTP CF EXPECTATION Total						774	774	736	736	736	736	736	861	861	861	861	861	861	794
1039	IS CONFIRMED																			
1040	10033	BPA Power																		
1041		96MS-96060																		
1042		71383980	ORIGINAL				60	15	15	15	15	15	15	-	-	-	-	-	-	13
1043		14TX-95363																		
1044		321873	ORIGINAL				700	700	700	700	700	700	700	700	700	700	700	700	700	700
1045		321874	ORIGINAL				300	300	300	300	300	300	300	300	300	300	300	300	300	300
1046		483765	ORIGINAL				50	50	50	50	50	50	50	50	50	50	50	50	50	38
1047	10033 Total																			
1048							1,110	1,065	1,065	1,065	1,065	1,065	1,065	1,050	1,050	1,000	1,000	1,000	1,000	1,050

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2016 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																			
1049	10037 Powerex																			
1050	99TX-10251																			
1051																				
1052		72742268	RENEWAL			50	50	50	50	50	50	50	50	50	-	-	-	-	38	
1053		78710047	RENEWAL			200	200	200	200	200	200	200	200	200	200	200	200	200	200	
1054		79100585	RENEWAL			51	51	51	51	51	51	51	51	51	51	51	51	51	51	
1055		79100588	RENEWAL			150	150	150	150	150	150	150	150	150	150	150	150	150	150	
1056		79461718	RENEWAL			49	49	49	49	49	49	49	49	49	49	49	49	49	49	
1057		75322538	RENEWAL			24	24	24	24	24	24	24	24	-	-	-	-	-		
1058		75322539	RENEWAL			15	15	15	15	15	15	15	15	-	-	-	-	-		
1059		75322540	RENEWAL			11	11	11	11	11	11	11	11	-	-	-	-	-		
1060		77502254	RENEWAL			357	357	357	357	357	357	357	357	357	357	357	357	357	357	
1061		77543772	RENEWAL			42	42	42	42	42	42	42	42	42	42	42	42	42	42	
1062		77543773	RENEWAL			286	286	286	286	286	286	286	286	286	286	286	286	286	286	
1063		77543781	RENEWAL			650	650	650	650	650	650	650	650	650	650	650	650	650	650	
1064		79848644	RENEWAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1065		79855282	RENEWAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1066	10037 Total					2,085	2,085	2,085	2,085	2,085	2,085	2,085	2,085	2,035	1,985	1,985	1,985	1,985	2,056	
1067	10122 Shell Energy																			
1068	00TX-10286																			
1069																				
1070		72429308	RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	
1071		72513298	RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	
1072		72513308	RENEWAL			20	20	20	20	20	20	20	20	20	20	20	20	20	20	
1073		72513313	RENEWAL			30	30	30	30	30	30	30	30	30	30	30	30	30	30	
1074	10122 Total					150	150	150	150	150	150	150	150	150	150	150	150	150	150	
1075	10199 Hermiston Power																			
1076	98TX-10154																			
1077																				
1078		1800338	ORIGINAL			228	228	228	228	228	228	228	228	228	228	228	228	228	228	
1079		1801359	ORIGINAL			75	75	75	75	75	75	75	75	75	75	75	75	75	75	
1080		449487	ORIGINAL			33	33	33	33	33	33	33	33	33	33	33	33	33	33	
1081		449491	ORIGINAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1082		449493	ORIGINAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1083	10199 Total					536	536	536	536	536	536	536	536	536	536	536	536	536	536	
1084	10264 Morgan Stanley																			
1085	97TX-10031																			
1086																				
1087		1470598	ORIGINAL			15	15	15	15	15	15	15	15	15	15	15	15	15	15	
1088		1467616	ORIGINAL			-	10	10	-	-	-	-	-	-	-	-	-	-	2	
1089		1470752	ORIGINAL			-	-	-	-	-	-	-	-	-	-	50	50	50	13	
1090		1470754	ORIGINAL			-	-	-	-	-	-	-	15	15	15	15	15	15	6	
1091		72921329	ORIGINAL			-	27	27	-	-	-	-	-	-	-	-	-	-	5	
1092		1470382	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	
1093		1470384	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	
1094		1470386	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	
1095		1470388	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	
1096		73014940	ORIGINAL			73	73	73	-	-	-	-	-	-	-	-	-	-	18	
1097		75533108	RENEWAL			46	46	46	46	46	46	46	46	46	46	46	46	46	46	
1098		73016708	ORIGINAL			27	-	-	-	-	-	-	-	-	-	-	-	-	2	
1099		78676775	RENEWAL			39	39	39	39	39	39	39	39	39	39	39	39	39	39	
1100		78454535	ORIGINAL			-	-	-	15	15	15	15	15	15	15	15	15	15	11	
1101	10264 Total					400	410	410	315	315	315	315	330	330	380	380	380	380	357	
1102	10300 PAC																			
1103	DE-MS79-94BP94280																			
1104																				
1105		79356596	ORIGINAL			200	200	200	200	200	200	200	200	200	200	200	200	200	200	
1106	DE-MS79-94BP94285																			
1107		427472	ORIGINAL			93	93	93	93	93	93	93	93	93	93	93	93	93	93	
1108		866020	ORIGINAL			71	71	71	71	71	71	71	71	71	71	71	71	71	71	
1109		80986294	RECALL			-	-	(93)	(93)	(93)	(93)	(93)	(93)	(93)	(93)	(93)	(93)	(93)	(78)	
1110		80879211	RECALL			-	-	(71)	(71)	(71)	(71)	(71)	(71)	(71)	(71)	(71)	(71)	(71)	(59)	
1111	10300 Total					364	364	200	200	200	200	200	200	200	200	200	200	200	227	
1112	10302 Iberdrola																			
1113	00TX-10367																			
1114																				
1115		71678981	ORIGINAL			280	280	280	280	280	280	280	280	280	280	280	280	280	280	
1116		1466882	ORIGINAL			15	15	15	15	15	15	15	15	15	15	15	15	15	15	
1117		72154100	ORIGINAL			-	35	35	35	35	35	35	35	35	35	35	35	35	32	
1118		72288164	ORIGINAL			12	-	-	-	-	-	-	-	-	-	-	-	-	1	
1119		72552123	ORIGINAL			15	-	-	-	-	-	-	-	-	-	-	-	-	1	
1120		72511486	ORIGINAL			3	3	3	3	3	3	3	3	3	3	3	3	3	3	
1121		72511519	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	
1122		76659161	RENEWAL			95	95	95	95	95	95	95	95	95	95	95	95	95	95	
1123		72511528	ORIGINAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	
1124		76303736	RENEWAL			47	47	47	47	47	47	47	47	47	47	47	47	47	47	
1125		77719214	RENEWAL			42	42	42	42	42	42	42	42	42	42	42	42	42	42	
1126		78154124	RENEWAL			30	30	30	30	30	30	30	30	30	30	30	30	30	30	
1127		75596535	RENEWAL			100	100	100	100	100	100	100	100	100	100	-	-	-	75	
1128		76303714	RENEWAL			180	180	180	180	180	180	180	180	180	180	180	180	180	180	
1129		76303727	RENEWAL			75	75	75	75	75	75	75	75	75	75	75	75	75	75	
1130		76303731	RENEWAL			8	8	8	8	8	8	8	8	8	8	8	8	8	8	
1131		73264915	ORIGINAL			-	-	-	-	-	-	-	15	15	15	15	15	15	6	
1132	10302 Total					1,002	1,010	1,010	1,010	1,010	1,010	1,010	1,010	1,025	1,025	925	925	925	991	

Table 13.2
2016 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2016 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg	
3	Company/Contract																			
1133																				
1134	10381	TEMUS																		
1135		98TX-10172																		
1136		77302316 RENEWAL	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1137		78163252 RENEWAL	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
1138	10381 Total		142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	
1139																				
1140	10849	Exelon Generation																		
1141		02TX-11265																		
1142		78225336 ORIGINAL	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1143		78225361 ORIGINAL	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1144		78225363 ORIGINAL	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1145		78221134 ORIGINAL	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1146	10849 Total		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	
1147																				
1148	IS CONFIRMED Total						5,909	5,882	5,718	5,623	5,623	5,623	5,623	5,638	5,588	5,438	5,438	5,438	5,628	
1149																				
1150	IS EXPECTATION																			
1151	10037	Powerex																		
1152		99TX-10251																		
1153		75322538R RENEWAL	-	-	-	-	-	-	-	-	-	-	-	-	24	24	24	24	8	
1154		75322540R RENEWAL	-	-	-	-	-	-	-	-	-	-	-	-	11	11	11	11	4	
1155		75322539R RENEWAL	-	-	-	-	-	-	-	-	-	-	-	-	15	15	15	15	5	
1156		72742268R RENEWAL	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	50	13	
1157	10037 Total		-	-	-	-	-	-	-	-	-	-	-	-	50	100	100	100	29	
1158																				
1159	10264	Morgan Stanley																		
1160		97TX-10031																		
1161		72496624R RENEWAL	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1162		73014940R RENEWAL	-	-	-	73	73	73	73	73	73	73	73	73	73	73	73	73	55	
1163		72496577R RENEWAL	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	
1164		72921329R RENEWAL	-	-	-	27	27	27	27	27	27	27	27	27	27	27	27	27	20	
1165		1467616R RENEWAL	-	-	-	10	10	10	10	10	10	10	10	10	10	10	10	10	8	
1166	10264 Total		174	174	174	284	284	284	284	284	284	284	284	284	284	284	284	284	257	
1167																				
1168	10302	Iberdrola																		
1169		00TX-10367																		
1170		75596535R RENEWAL	-	-	-	-	-	-	-	-	-	-	-	-	-	100	100	100	25	
1171	10302 Total		-	-	-	-	-	-	-	-	-	-	-	-	-	100	100	100	25	
1172																				
1173	IS EXPECTATION Total						174	174	174	284	284	284	284	284	334	484	484	484	311	
1174																				
1175	IM CONFIRMED																			
1176	10300	PAC																		
1177		04TX-11722																		
1178		1195168 ORIGINAL	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
1179		77400411 RENEWAL	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
1180	10300 Total		16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
1181																				
1182	IM CONFIRMED Total						16	16	16	16	16	16	16	16	16	16	16	16	16	
1183																				

Table 13.3
2017 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2017 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg			
3	Company/Contract																			
4	FPT One-Year																			
5	10016	Avista																		
6		DE-MS79-85BP92186																		
7		453495	LEGACY		32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
8	10016 Total				32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
9																				
10	10135 Douglas																			
11		DE-MS79-80BP90066																		
12		(blank)	LEGACY		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	10135 Total				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14																				
15	10300 PAC																			
16		DE-MS79-94BP94280																		
17		422032	LEGACY		200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
18		DE-MS79-94BP94333																		
19		1801200	LEGACY		35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
20		1801201	LEGACY		40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
21		1801202	LEGACY		84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
22		1801203	LEGACY		241	241	241	241	241	241	241	241	241	241	241	241	241	241	241	241
23		1801397	LEGACY		55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
24		1801398	LEGACY		145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145
25	10300 Total				800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
26																				
27	10317 PRC																			
28		DE-MS79-95BP94151																		
29		422176	LEGACY		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
30	10317 Total				50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
31																				
32	10325 Puget																			
33		DE-MS79-85BP92185																		
34		422177	LEGACY		32	32	32	32	32	32	32	32	32	-	-	-	-	-	-	24
35	10325 Total				32	32	32	32	32	32	32	32	32	32	-	-	-	-	-	24
36																				
37	FPT One-Year Total				917	917	917	917	917	917	917	917	917	917	884	884	884	884	884	909
38																				
39	FPT Three-Year																			
40	10300 PAC																			
41		14-03-14612																		
42		1801204/5	LEGACY		66	76	87	87	79	73	69	68	63	65	67	66	66	66	66	72
43	10300 Total				66	76	87	87	79	73	69	68	63	65	67	66	66	66	66	72
44																				
45	FPT Three-Year Total				66	76	87	87	79	73	69	68	63	65	67	66	66	66	66	72
46																				
47	IR																			
48	10325 Puget																			
49		14-03-45241																		
50		1801608	LEGACY		266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266
51	10325 Total				266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266
52																				
53	IR Total				266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266
54																				
55	PTP CONFIRMED																			
56	10007 Alcoa																			
57		01TX-10630																		
58		77208678	RENEWAL		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
59		77208409	RENEWAL		26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
60		77208424	RENEWAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
61		77208444	RENEWAL		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
62		77208977	RENEWAL		47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
63		77208984	RENEWAL		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
64		77208846	RENEWAL		26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
65		77208855	RENEWAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
66		77208882	RENEWAL		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
67		77208899	RENEWAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
68		77208633	RENEWAL		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
69		77208648	RENEWAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
70		77208654	RENEWAL		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
71		77208559	RENEWAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
72		77208909	RENEWAL		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
73		77208934	RENEWAL		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
74		77208962	RENEWAL		75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
75		77208965	RENEWAL		23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
76		77208698	RENEWAL		22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
77		77208709	RENEWAL		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
78		77208661	RENEWAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
79		77208675	RENEWAL		39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
80	10007 Total				403	403	403	403	403	403	403	403	403	403	403	403	403	403	403	403

Table 13.3
2017 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2017 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg			
3	Company/Contract																			
81	10016 Avista																			
82	96MS-96008																			
83																				
84			1468405 ORIGINAL		75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	
85			1468727 DEFERRAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
86			73613033 ORIGINAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
87	10016 Total				225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	
88	10024 Benton PUD																			
89	97TX-10041																			
91			1800329 ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
92			1800338 ORIGINAL		16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
93			1800343 ORIGINAL		16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
94			1800354 ORIGINAL		29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	
95			1801465 ORIGINAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
96			71821795 REDIRECT		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
97			1800377 ORIGINAL		64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	
98			1800379 ORIGINAL		102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	
99			1801385 ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
100			1800333 ORIGINAL		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
101			1800364 ORIGINAL		28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
102			71821291 REDIRECT		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
103			1800366 ORIGINAL		35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
104			1800373 ORIGINAL		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
105			1800375 ORIGINAL		54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
106	10024 Total				423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	
107	10033 BPA Power																			
108	96MS-96060																			
109			Multiple ORIGINAL		665	665	665	665	665	665	665	665	665	665	665	636	636	636	660	
110			14TX-95363																	
111			1469289 ORIGINAL		116	116	116	116	116	116	116	116	116	116	300	300	300	162		
112			1469291 ORIGINAL		88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
113			1470201 ORIGINAL		109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	
114			321890 ORIGINAL		90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
115			1800097 ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
116			1800100 ORIGINAL		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
117			1800103 ORIGINAL		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
118			1800106 ORIGINAL		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
119			1800109 ORIGINAL		17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
120			1800112 ORIGINAL		23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
121			1800115 ORIGINAL		23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
122			1800118 ORIGINAL		23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
123			1800121 ORIGINAL		27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	
124			1800124 ORIGINAL		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
125			1800127 ORIGINAL		48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	
126			1800130 ORIGINAL		64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	
127			1800133 ORIGINAL		64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	
128			1800137 ORIGINAL		287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	
129			78395391 REDIRECT		184	184	184	184	184	184	184	184	184	184	-	-	-	138		
130			77078633 RENEWAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
131			77078601 RENEWAL		17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
132			79879849 ORIGINAL		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
133			77176374 REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
134			77176386 REDIRECT		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
135			79471716 RENEWAL		53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	
136			79497143 RENEWAL		116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	
137			79647304 RENEWAL		297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	
138	10033 Total				2,460	2,460	2,460	2,460	2,460	2,460	2,460	2,460	2,460	2,460	2,460	2,431	2,431	2,431	2,455	
139	10037 Powerex																			
140	96MS-96084																			
141			1465922 ORIGINAL		230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	
142			99TX-10251																	
143			74490405 RENEWAL		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
144			77478534 ORIGINAL		80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	
145			77105600 RENEWAL		102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	
146			77821635 RENEWAL		125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	
147			77821638 RENEWAL		75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	
148			80180555 RENEWAL		348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	
149			80380906 ORIGINAL		50	50	50	50	50	50	50	50	50	50	-	-	-	38		
150			80380913 ORIGINAL		50	50	50	50	50	50	50	50	50	50	-	-	-	38		
151	10037 Total				1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	1,072	972	972	972	972	1,047	
152	10050 Chelan																			
153	01TX-10714																			
154			72041989 RENEWAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
155	10050 Total				8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

Table 13.3
2017 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FY 2017 Sales forecast as of 06/30/2015																		
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																		
159	10105 Clatskanie																		
160	01TX-10649																		
161																			
162		1321619	ORIGINAL		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
163		1321623	ORIGINAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
164		1321630	ORIGINAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
165		1321632	ORIGINAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
166		1321634	ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
167		1800705	ORIGINAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
168		1800709	ORIGINAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
169		1800717	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
170		1800721	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
171		1800725	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
172		1800729	ORIGINAL		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
173		1800735	ORIGINAL		14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
174		1800737	ORIGINAL		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
175		1800740	ORIGINAL		23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
176		1800741	ORIGINAL		36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
177	10105 Total				147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
178	10183 Franklin County																		
179	97TX-10043																		
180																			
181		1466591	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
182		1468490	ORIGINAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
183		1469388	ORIGINAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
184		1471445	REDIRECT		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
185		1472430	REDIRECT		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
186		1801660	ORIGINAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
187		1801665	ORIGINAL		27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
188		1801670	ORIGINAL		17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
189		1801675	ORIGINAL		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
190		1801685	ORIGINAL		22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
191		1801690	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
192		1801695	ORIGINAL		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
193		1801700	ORIGINAL		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
194		1801705	ORIGINAL		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
195		1801710	ORIGINAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
196		71630464	ORIGINAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
197	10183 Total				183	183	183	183	183	183	183	183	183	183	183	183	183	183	183
198	10190 Grant																		
199	01TX-10679																		
200																			
201		74475223	RENEWAL		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
202	10190 Total				12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
203	10191 Grays Harbor																		
204	96MS-96083																		
205																			
206		1179595	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
207		1800868	ORIGINAL		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
208		1800869	ORIGINAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
209		1800870	ORIGINAL		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
210		1800871	ORIGINAL		18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
211		1800872	ORIGINAL		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
212		1800873	ORIGINAL		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
213		1800874	ORIGINAL		26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
214		1800875	ORIGINAL		33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
215		1800876	ORIGINAL		37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
216		1800877	ORIGINAL		62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
217		1801266	ORIGINAL		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
218		1801468	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
219		71316632	REDIRECT		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
220		72080322	REDIRECT		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
221		72080765	REDIRECT		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
222	10191 Total				280	280	280	280	280	280	280	280	280	280	280	280	280	280	280
223	10199 Hermiston Power																		
224	98TX-10154																		
225																			
226		1801330	ORIGINAL		228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
227		1801331	ORIGINAL		308	308	308	308	308	308	308	308	308	308	308	308	308	308	308
228	10199 Total				536	536	536	536	536	536	536	536	536	536	536	536	536	536	536

Table 13.3
2017 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FY 2017 Sales forecast as of 06/30/2015																		
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																		
229	10205 Idaho Power Company																		
230	12TX-15618																		
231																			
232		77108132	ORIGINAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
233		77108133	ORIGINAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
234		13TX-15768																	
235		77443011	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
236		77443034	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
237		77443090	ORIGINAL		37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
238	10205 Total				119	119	119	119	119	119	119	119	119	119	119	119	119	119	119
239																			
240	10231 Klickitat																		
241	97TX-10038																		
242		77124569	RENEWAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
243		77124571	RENEWAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
244		77124572	RENEWAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
245		77124573	RENEWAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
246		77124588	RENEWAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
247		77124582	RENEWAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
248		77124583	RENEWAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
249		77124585	RENEWAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250		77124586	RENEWAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
251		77124575	RENEWAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
252		77124578	RENEWAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
253		77124590	RENEWAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
254		77124591	RENEWAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
255		77128633	RENEWAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
256		77124579	RENEWAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
257		77124581	RENEWAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
258		79467143	ORIGINAL		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
259	10231 Total				78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
260																			
261	10241 LADWP																		
262	02TX-10944																		
263		78459775	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
264		78459780	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
265		78459765	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
266		78459768	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
267		78459737	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
268		78459759	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
269		80269811	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
270		80751162	ORIGINAL		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
271		80133002	RENEWAL		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
272	10241 Total				390	390	390	390	390	390	390	390	390	390	390	390	390	390	390
273																			
274	10255 Middle Fork																		
275	05TX-11927																		
276		1466103	ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
277		1469988	ORIGINAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
278	10255 Total				4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
279																			
280	10279 Northern Wasco																		
281	09TX-14164																		
282		79710722	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
283	10279 Total				6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
284																			
285	10300 PAC																		
286	04TX-11722																		
287		72510734	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
288		72513702	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
289		72604325	REDIRECT		80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
290		77322834	RENEWAL		76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
291		77424318	RENEWAL		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
292		77424414	RENEWAL		190	190	190	190	190	190	190	190	190	190	190	190	190	190	190
293		77810169	ORIGINAL		35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
294		76145322	ORIGINAL		137	137													34
295		77322753	RENEWAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
296		77322823	RENEWAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
297		76106891	RENEWAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
298		76182574	RENEWAL		56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
299		76191343	ORIGINAL		40														3

Table 13.3
2017 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S		
1	FY 2017 Sales forecast as of 06/30/2015																				
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg				
3	Company/Contract																				
300	75397855	REDIRECT			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
301	75503469	REDIRECT			250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	
302	77810173	ORIGINAL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
303	78385466	RENEWAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
304	78398821	RENEWAL			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
305	77424479	RENEWAL			30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
306	77520585	RENEWAL			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
307	76522087	RENEWAL			75	75	75	75	75	75	75	-	-	-	-	-	-	-	-	38	
308	76970392	RENEWAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
309	75766088	RENEWAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
310	75819074	RENEWAL			28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
311	75841669	ORIGINAL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
312	75503471	REDIRECT			70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	
313	78720451	RENEWAL			146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	
314	78720471	RENEWAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
315	78720493	RENEWAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
316	78720629	RENEWAL			85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
317	78720424	RENEWAL			30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
318	78721010	RENEWAL			88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
319	78720215	RENEWAL			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
320	78720311	RENEWAL			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
321	79191196	REDIRECT			38	38	38	38	38	38	-	-	-	-	-	-	-	-	-	16	
322	79484622	ORIGINAL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
323	76382678	REDIRECT			21	21	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
324	80320003	REDIRECT			70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	
325	80320010	REDIRECT			420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	
326	78720634	RENEWAL			75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	
327	78720640	RENEWAL			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
328	80207131	RENEWAL			144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	
329	80207146	RENEWAL			6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
330	80207119	RENEWAL			85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
331	10300 Total				2,956	2,916	2,895	2,758	2,758	2,720	2,645	2,645	2,645	2,611	2,611	2,611	2,611	2,611	2,611	2,731	
332																					
333	10302 Iberdrola																				
334	00TX-10367																				
335	77895741	ORIGINAL			21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
336	78287943	RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
337	77079897	RENEWAL			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	92	
338	78577161	ORIGINAL			24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
339	77410610	RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
340	77079910	RENEWAL			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	
341	77410538	RENEWAL			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
342	77410542	RENEWAL			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
343	75648199	REDIRECT			25	25	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
344	75402452	RENEWAL			-	-	50	50	50	50	50	50	50	50	50	50	50	50	50	42	
345	75402568	RENEWAL			-	-	25	25	25	25	25	25	25	25	25	25	25	25	25	21	
346	75402686	RENEWAL			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
347	75648187	REDIRECT			50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	8	
348	79946068	DEFERRAL			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
349	79946083	DEFERRAL			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
350	79946085	DEFERRAL			25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
351	80818877	DEFERRAL			20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
352	80818881	DEFERRAL			20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
353	80818885	DEFERRAL			20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
354	10302 Total				580	580	580	580	580	580	580	580	580	580	580	580	580	580	580	430	568
355																					
356	10306 Pend Oreille																				
357	02TX-10875																				
358	76277035	RENEWAL			3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	1	
359	76277045	RENEWAL			3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	1	
360	76277050	RENEWAL			2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	1	
361	76277055	RENEWAL			1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	0	
362	76277060	RENEWAL			1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	0	
363	76277018	RENEWAL			6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	2	
364	76277021	RENEWAL			5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	1	
365	76277025	RENEWAL			4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	1	
366	76277031	RENEWAL			3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	1	
367	76277086	RENEWAL			9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	2	
368	76277063	RENEWAL			1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	0	
369	76277065	RENEWAL			1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	0	
370	76277067	RENEWAL			1	1</															

Table 13.3
2017 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2017 Sales forecast as of 06/30/2015																			
2	Rate/Status		ARef		Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																			
463	10341 SMUD																			
464	02TX-11128																			
465	77703370 DEFERRAL																			
466	79132005 DEFERRAL																			
467	80652459 RECALL																			
468	80407825 DEFERRAL																			
469																				
470	10341 Total					60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
471	10349 Seattle																			
472	96MS-96018																			
473	1800082 ORIGINAL																			
474	1800521 ORIGINAL																			
475	1800522 ORIGINAL																			
476	1800523 ORIGINAL																			
477	1800524 ORIGINAL																			
478	1800525 ORIGINAL																			
479	1800526 ORIGINAL																			
480	1800527 ORIGINAL																			
481	1800528 ORIGINAL																			
482	1800529 ORIGINAL																			
483	1800530 ORIGINAL																			
484	1800531 ORIGINAL																			
485	1801314 ORIGINAL																			
486	1801315 ORIGINAL																			
487	1801316 ORIGINAL																			
488	1801356 ORIGINAL																			
489	1801399 ORIGINAL																			
490	1801474 ORIGINAL																			
491	1801824 ORIGINAL																			
492	71852108 ORIGINAL																			
493	73833947 REDIRECT																			
494																				
495	10349 Total					1,962	1,962	1,962	1,962	1,962	1,962	1,962	1,962	1,962	1,962	1,962	1,962	1,962	1,962	1,962
496	10354 Snohomish																			
497	96MS-96092																			
498	1800028 ORIGINAL																			
499	1800080 ORIGINAL																			
500	1801078 ORIGINAL																			
501	1801079 ORIGINAL																			
502	1801080 ORIGINAL																			
503	1801081 ORIGINAL																			
504	1801082 ORIGINAL																			
505	1801083 ORIGINAL																			
506	1801084 ORIGINAL																			
507	1801085 ORIGINAL																			
508	1801086 ORIGINAL																			
509	1801087 ORIGINAL																			
510	1801163 ORIGINAL																			
511	1801362 ORIGINAL																			
512	1801500 ORIGINAL																			
513	1801823 ORIGINAL																			
514	72566153 ORIGINAL																			
515	72566175 ORIGINAL																			
516	72566200 ORIGINAL																			
517	72673396 RECALL																			
518	73240353 ORIGINAL																			
519	72150853 ORIGINAL																			
520	72150855 ORIGINAL																			
521	73240347 ORIGINAL																			
522	72150858 ORIGINAL																			
523	72150862 ORIGINAL																			
524	72150867 ORIGINAL																			
525	72436399 ORIGINAL																			
526																				
527	10354 Total					1,919	1,919	1,919	1,969	1,969	1,969	1,969	1,969	1,969	1,969	1,969	1,969	1,969	1,969	1,957
528	10361 SC Edison																			
529	10TX-14641																			
530	75978147 ORIGINAL																			
531	75978181 ORIGINAL																			
532	75978191 ORIGINAL																			
533	75978193 ORIGINAL																			
534	76252310 ORIGINAL																			
535	76252318 ORIGINAL																			
536	76252286 ORIGINAL																			
537	76252295 ORIGINAL																			
538	76252305 ORIGINAL																			
539																				
540	10361 Total					724	724	724	724	724	724	724	724	724	724	724	724	724	724	724

Table 13.3
2017 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FY 2017 Sales forecast as of 06/30/2015																		
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																		
541	10370 Tacoma Power																		
542	98TX-10103																		
543																			
544		1472937	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
545		1800542	ORIGINAL		19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
546		1800543	ORIGINAL		23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
547		1800544	ORIGINAL		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
548		1800545	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
549		1800546	ORIGINAL		44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
550		1800547	ORIGINAL		52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
551		1800548	ORIGINAL		54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
552		1800550	ORIGINAL		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
553		1800551	ORIGINAL		99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
554		1800565	ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
555		1800566	ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
556		1800567	ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
557		1800568	ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
558		1800569	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
559		1800570	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
560		1800571	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
561		1800572	ORIGINAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
562		1800573	ORIGINAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
563		1800574	ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
564		1801317	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
565		1801318	ORIGINAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
566		1801319	ORIGINAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
567		1801501	ORIGINAL		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
568		75108469	ORIGINAL		64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
569		75108338	ORIGINAL		155	155	155	155	155	155	155	155	155	155	155	155	155	155	155
570		80062909	REDIRECT		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
571		80062920	REDIRECT		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
572		80062924	REDIRECT		56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
573		80062905	REDIRECT		48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
574	10370 Total				801	801	801	801	801	801	801	801	801	801	801	801	801	801	801
575																			
576	10386 Turlock Irrigation																		
577	00TX-10344																		
578		77517818	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
579		77517830	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
580	10386 Total				100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
581																			
582	10874 Sagebrush Power																		
583	11TX-15454																		
584		80073937	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
585	10874 Total				50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
586																			
587	11021 Eurus Comb																		
588	09TX-14147																		
589		73473061	REDIRECT		62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
590	11021 Total				62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
591																			
592	11122 Finley Bioenergy																		
593	07TX-12488																		
594		71689868	ORIGINAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
595		71915090	ORIGINAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
596	11122 Total				5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
597																			
598	11768 Arlington																		
599	07TX-12526																		
600		72296939	DEFERRAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
601	11768 Total				25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
602																			
603	11822 EDF Renewable																		
604	08TX-13169																		
605		80039833	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
606		80039918	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
607		80217176	DEFERRAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
608		80652978	REDIRECT		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
609		80652999	REDIRECT		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
610	11822 Total				350	350	350	350	350	350	350	350	350	350	350	350	350	350	350
611																			
612	11831 PPL EnergyPlus																		
613	08TX-13030																		
614		72408392	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
615		73063071	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
616	11831 Total				100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
617																			
618	11868 Wheat Field Wind																		
619	08TX-13610																		
620		72458260	ORIGINAL		97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
621	11868 Total				97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
622																			
623	11875 Patu Wind Farm																		
624	08TX-13657																		
625		74128031	REDIRECT		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
626	11875 Total				10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
627																			
628	11935 Diversified Energy																		
629	09TX-14135																		
630		80430701	ORIGINAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
631		80430720	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
632		80430731	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
633	11935 Total				200	200	200	200	200	200	200	200	200	200	200	200	200	200	200

Table 13.3
2017 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FY 2017 Sales forecast as of 06/30/2015																		
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																		
634																			
635	11951 Outback Solar																		
636	11TX-15513																		
637	77311998 REDIRECT																		
638					5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
639	11951 Total																		
640																			
641	12077 Kaiser Alum WA																		
642	11TX-15371																		
643	76231445 ORIGINAL																		
644	77478544 ORIGINAL																		
645					5	5	-	-	-	-	-	-	-	-	-	-	-	-	1
646	12077 Total																		
647																			
648	13140 JC-B																		
649	13TX-15809																		
650	78685544 ORIGINAL																		
651					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
652	13140 Total																		
653																			
654	13227 POTB																		
655	13TX-15849																		
656	78391247 DEFERRAL																		
657					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
658	13227 Total																		
659																			
660	PTP CONFIRMED Total Subject to SCD																		
661					23,652	23,612	23,561	23,434	23,434	23,396	23,321	23,321	23,321	23,187	23,158	23,008			23,367
662	PTP CONFIRMED NO SCD																		
663																			
664	10427 UAMPS																		
665	11TX-15512																		
666	77309382 ORIGINAL																		
667					53	53	53	53	53	53	53	53	53	53	53	53	-	-	49
668	10427 Total																		
669																			
670	11703 L & M																		
671	06TX-12244																		
672	72873760 RENEWAL																		
673					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
674	11703 Total																		
675																			
676	11756 Raft River Energy																		
677	07TX-12449																		
678	1471160 ORIGINAL																		
679					12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
680	11756 Total																		
681																			
682	PTP CONFIRMED Total Not Subject to SCD																		
683					66	66	66	66	66	66	66	66	66	66	66	66	13		62
684	PTP SDD																		
685																			
686	10183 Franklin County																		
687	97TX-10043																		
688	1466591 SDD																		
689	1472430 SDD																		
690					(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
691	10183 Total																		
692																			
693	10205 Idaho Power Company																		
694	12TX-15618																		
695	77108132 SDD																		
696	77108133 SDD																		
697					(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
698	10205 Total																		
699																			
700	10231 Klickitat																		
701	97TX-10038																		
702	79467143 SDD																		
703					(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
704	10231 Total																		
705																			
706	10255 Middle Fork																		
707	05TX-11927																		
708	1466103 SDD																		
709	1469988 SDD																		
710					(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
711	10255 Total																		
712																			
713	10300 PAC																		
714	04TX-11722																		
715	77424318 SDD																		
716	77424414 SDD																		
717	77810169 SDD																		
718	77322823 SDD																		
719	76191343 SDD																		
720	77810173 SDD																		
721	77424479 SDD																		
722	76522087 SDD																		
723	80207131 SDD																		
724	80207119 SDD																		
725					(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)	(48)
726	10300 Total																		
727																			

Table 13.3
2017 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2017 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg			
3	Company/Contract																			
713																				
714	10302 Iberdrola																			
715	00TX-10367																			
716	78287943	SDD		(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	
717	77079897	SDD		(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	
718	77410610	SDD		(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	
719	77079910	SDD		(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	
720	77410538	SDD		(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	
721	77410542	SDD		(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	
722	10302 Total			(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(36)	(43)	
723																				
724	10325 Puget																			
725	06TX-12195																			
726	80701818	SDD		(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	
727	10325 Total			(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	(37)	
728																				
729	10341 SMUD																			
730	02TX-11128																			
731	77703370	SDD		(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
732	79132005	SDD		(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
733	80652459	SDD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
734	80407825	SDD		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
735	10341 Total			(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	
736																				
737	10361 SC Edison																			
738	10TX-14641																			
739	75978147	SDD		(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	
740	75978181	SDD		(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	
741	75978191	SDD		(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	
742	75978193	SDD		(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	(29)	
743	76252310	SDD		(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	
744	76252318	SDD		(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	(14)	
745	76252286	SDD		(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	
746	76252295	SDD		(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	
747	76252305	SDD		(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	
748	10361 Total			(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	(124)	
749																				
750	10427 UAMPS																			
751	11TX-15512																			
752	77309382	SDD		(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	
753	10427 Total			(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	
754																				
755	11756 Raft River Energy																			
756	07TX-12449																			
757	1471160	SDD		(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
758	11756 Total			(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
759																				
760	13140 JC-B																			
761	13TX-15809																			
762	78685544	SDD		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
763	13140 Total			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
764																				
765	13227 POTB																			
766	13TX-15849																			
767	78391247	SDD		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
768	13227 Total			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
769																				
770	PTP SDD Total			(477.2)	(461.2)	(461.2)	(461.2)	(461.2)	(461.2)	(461.2)	(441.6)	(441.6)	(441.6)	(441.6)	(441.6)	(441.6)	(418.0)	(450.7)		
771																				
772	PTP CF CONFIRMED																			
773	10037 Powerex																			
774	99TX-10251																			
775	80552504	ORIGINAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
776	10037 Total			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
777																				
778	10300 PAC																			
779	04TX-11722																			
780	77119166	REDIRECT		88	88	88	88	88	88	88	88	88	88	-	-	-	-	-	66	
781	79131028	ORIGINAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
782	10300 Total			96	96	96	96	96	96	96	96	96	96	8	8	8	8	8	74	
783																				
784	10302 Iberdrola																			
785	00TX-10367																			
786	80249998	DEFERRAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
787	10302 Total			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	

Table 13.3
2017 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S		
1	FY 2017 Sales forecast as of 06/30/2015																				
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg				
3	Company/Contract																				
788	10314 PGE																				
789	09TX-14507																				
790																					
791		78858032	DEFERRAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
792		80402010	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
793		80402046	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
794		80402067	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
795		80402081	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
796		80401925	ORIGINAL		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
797		80401947	ORIGINAL		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
798		80401970	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
799		80402096	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
800		80402109	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
801	10314 Total				367	367	367	367	367	367	367	367	367	367	367	367	367	367	367	367	
802																					
803	10325 Puget																				
804	06TX-12195																				
805		77565922	ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
806		77565931	ORIGINAL		40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
807	10325 Total				90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
808																					
809	PTP CF CONFIRMED Total				703	703	703	703	703	703	703	703	703	703	615	615	615	615	615	615	681
810																					
811	PTP EXPECTATION																				
812	10016 Avista																				
813	96MS-96008																				
814		1801279R	RENEWAL		97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	
815		1801278R	RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
816		1801284R	RENEWAL		196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	
817	10016 Total				343	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343
818																					
819	10037 Powerex																				
820	99TX-10251																				
821		75753552R	RENEWAL		193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	
822		81027566S	ORIGINAL		-	-	-	-	-	-	-	-	-	50	50	50	50	50	50	13	
823		81027562S	ORIGINAL		-	-	-	-	-	-	-	-	-	50	50	50	50	50	50	13	
824	10037 Total				193	193	193	193	193	193	193	193	193	193	293	293	293	293	293	293	218
825																					
826	10103 Clark																				
827	02TX-11177																				
828		73198888R	RENEWAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
829		73198880R	RENEWAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
830		73198896R	RENEWAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
831		73198892S	ORIGINAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
832	10103 Total				100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
833																					
834	10190 Grant																				
835	01TX-10679																				
836		76084927R	RENEWAL		150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
837	10190 Total				150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
838																					
839	10205 Idaho Power Company																				
840	96MS-96108																				
841		1801489R	RENEWAL		53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	
842		1801478R	RENEWAL		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
843		1801396R	RENEWAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
844	10205 Total				61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
845																					
846	10241 LADWP																				
847	02TX-10944																				
848		73198926S	ORIGINAL		72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	
849	10241 Total				72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
850																					
851	10286 Okanogan PUD																				
852	01TX-10686																				
853		75978559R	RENEWAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
854		75978577R	RENEWAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
855		75978566R	RENEWAL		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
856		75978693R	RENEWAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
857		75978582R	RENEWAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
858		75978597R	RENEWAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
859		75978620R	RENEWAL		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
860		75978571R	RENEWAL		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
861		75978673R	RENEWAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
862		75978656R	RENEWAL		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
863		75978650R	RENEWAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
864		75978586R	RENEWAL		13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
865		75978640R	RENEWAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
866		75978636R	RENEWAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
867		75978589R	RENEWAL		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
868		75978524R	RENEWAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
869		75978634R	RENEWAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
870		75978696R	RENEWAL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
871		75978638R	RENEWAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
872		75978645R	RENEWAL		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
873		75978607R	RENEWAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
874		75978700R	RENEWAL		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
875		75978699R	RENEWAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
876		75978643R	RENEWAL		1	1	1	1													

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2017 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FY 2017 Sales forecast as of 06/30/2015																		
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																		
878	10300 PAC																		
879	04TX-11722																		
880																			
881	73604581R		RENEWAL		70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
882	74636110R		RENEWAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
883	76191343R		RENEWAL		-	40	40	40	40	40	40	40	40	40	40	40	40	40	37
884	79191196R		RENEWAL		-	-	-	-	-	38	38	38	38	38	38	38	38	38	22
885	76522087R		RENEWAL		-	-	-	-	-	-	75	75	75	75	75	75	75	75	38
886	76145322R		RENEWAL		-	-	-	137	137	137	137	137	137	137	137	137	137	137	103
887	76106891R		RENEWAL		-	-	-	-	-	-	-	-	-	4	4	4	4	4	1
888	75841669R		RENEWAL		-	-	-	-	-	-	-	-	-	1	1	1	1	1	0
889	75766088R		RENEWAL		-	-	-	-	-	-	-	-	-	1	1	1	1	1	0
890	75819074R		RENEWAL		-	-	-	-	-	-	-	-	-	28	28	28	28	28	7
891	80419616R		RENEWAL		222	222	222	222	222	222	222	222	222	222	222	222	222	222	222
892	80419677R		RENEWAL		18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
893	76382678R		RENEWAL		-	-	21	21	21	21	21	21	21	21	21	21	21	21	18
894	10300 Total				318	358	379	516	516	554	629	629	629	663	663	663	663	663	543
895	10302 Iberdrola																		
896	00TX-10367																		
897																			
898	74371962R		RENEWAL		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
899	77325065R		RENEWAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
900	77325070R		RENEWAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
901	77325077R		RENEWAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
902	77325082R		RENEWAL		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
903	77079910R		RENEWAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	50
904	77079897R		RENEWAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
905	77343691S		ORIGINAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
906	78268073S		ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
907	73280124S		ORIGINAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
908	10302 Total				321	321	321	321	321	321	321	321	321	321	321	321	321	321	471
909	10306 Pend Oreille																		
910	02TX-10875																		
911																			
912	76277055R		RENEWAL		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1
913	76277031R		RENEWAL		-	-	-	3	3	3	3	3	3	3	3	3	3	3	2
914	76277086R		RENEWAL		-	-	-	9	9	9	9	9	9	9	9	9	9	9	7
915	76277065R		RENEWAL		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1
916	76277063R		RENEWAL		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1
917	76277018R		RENEWAL		-	-	-	6	6	6	6	6	6	6	6	6	6	6	5
918	76277025R		RENEWAL		-	-	-	4	4	4	4	4	4	4	4	4	4	4	3
919	76277050R		RENEWAL		-	-	-	2	2	2	2	2	2	2	2	2	2	2	2
920	76277021R		RENEWAL		-	-	-	5	5	5	5	5	5	5	5	5	5	5	4
921	76277035R		RENEWAL		-	-	-	3	3	3	3	3	3	3	3	3	3	3	2
922	76277067R		RENEWAL		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1
923	76277060R		RENEWAL		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1
924	76277045R		RENEWAL		-	-	-	3	3	3	3	3	3	3	3	3	3	3	2
925	10306 Total				-	-	-	40	40	40	40	40	40	40	40	40	40	40	30
926	10314 PGE																		
927	96MS-96095																		
928																			
929	72637692R		RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
930	98TX-10174																		
931	73970915R		RENEWAL		-	-	25	25	25	25	25	25	25	25	25	25	25	25	21
932	10314 Total				100	100	125	125	125	125	125	125	125	125	125	125	125	125	121
933	10325 Puget																		
934	06TX-12195																		
935																			
936	76041854R		RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
937	76041858R		RENEWAL		94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
938	80905726S		ORIGINAL		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
939	DE-MS79-85BP92185																		
940	422177S		CONVERSION		-	-	-	-	-	-	-	-	-	-	32	32	32	32	8
941	10325 Total				202	202	202	202	202	202	202	202	202	202	234	234	234	234	210
942	10341 SMUD																		
943	02TX-11128																		
944																			
945	80407825D		RECALL		(10)	(10)	(10)	-	-	-	-	-	-	-	-	-	-	-	(3)
946	10341 Total				(10)	(10)	(10)	-	-	-	-	-	-	-	-	-	-	-	(3)
947	10381 TEMUS																		
948	98TX-10172																		
949																			
950	73918209R		RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
951	73918184R		RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
952	78976989R		RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
953	10381 Total				250	250	250	250	250	250	250	250	250	250	250	250	250	250	250

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FY 2017 Sales forecast as of 06/30/2015																		
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																		
954	11822 EDF Renewable																		
955	08TX-13169																		
956																			
957			80217176D RECALL		(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)
958			80039833D RECALL		(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)
959			80039918D RECALL		(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)
960			80652978D RECALL		(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)
961			80652999D RECALL		(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)
962	11822 Total				(350)	(350)	(350)	(350)	(350)	(350)	(350)	(350)	(350)	(350)	(350)	(228)	(228)	(228)	(330)
963	11935 Diversified Energy																		
964	09TX-14135																		
965																			
966			80430701D RECALL		(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)
967			80430720D RECALL		(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)
968			80430731D RECALL		(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)	(50)
969	11935 Total				(200)	(200)	(200)	(200)	(200)	(200)	(200)	(200)	(200)	(200)	(200)	(200)	(200)	(200)	(200)
970	12077 Kaiser Alum WA																		
971	11TX-15371																		
972																			
973			76231445R RENEWAL		-	-	5	5	5	5	5	5	5	5	5	5	5	5	5
974	12077 Total				-	-	5	5	5	5	5	5	5	5	5	5	5	5	5
975	PTP EXPECTATION Total																		
976					1,665	1,705	1,756	1,943	1,943	1,981	2,056	2,056	2,056	2,222	2,344	2,494	2,018		
977	PTP EXPECTATION NO SCD																		
978	10427 UAMPS																		
979	11TX-15512																		
980																			
981			77309382R RENEWAL		-	-	-	-	-	-	-	-	-	-	-	-	-	53	4
982	10427 Total				-	-	-	-	-	-	-	-	-	-	-	-	-	53	4
983	PTP EXPECTATION NO SCD Total																		
984					-	-	-	-	-	-	-	-	-	-	-	-	-	53	4
985	PTP SDD EXPECTATION																		
986	10190 Grant																		
987	01TX-10679																		
988																			
989			76084927R SDD		(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)
990	10190 Total				(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)	(60)
991	10300 PAC																		
992	04TX-11722																		
993																			
994			76191343R SDD		-	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(15)
995			76522087R SDD		-	-	-	-	-	-	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(10)	
996	10300 Total				-	(16)	(16)	(16)	(16)	(16)	(36)	(36)	(36)	(36)	(36)	(36)	(36)	(36)	(24)
997	10302 Iberdrola																		
998	00TX-10367																		
999																			
1000			77079910R SDD		-	-	-	-	-	-	-	-	-	-	-	-	-	(3)	(0)
1001			77079897R SDD		-	-	-	-	-	-	-	-	-	-	-	-	-	(5)	(0)
1002	10302 Total				-	-	-	-	-	-	-	-	-	-	-	-	-	(8)	(1)
1003	10341 SMUD																		
1004	02TX-11128																		
1005																			
1006			80407825D SDD		1	1	1	-	-	-	-	-	-	-	-	-	-	-	0
1007	10341 Total				1	1	1	-	-	-	-	-	-	-	-	-	-	-	0
1008	10427 UAMPS																		
1009	11TX-15512																		
1010																			
1011			77309382R SDD		-	-	-	-	-	-	-	-	-	-	-	-	-	(16)	(1)
1012	10427 Total				-	-	-	-	-	-	-	-	-	-	-	-	-	(16)	(1)
1013	PTP SDD EXPECTATION Total																		
1014					(59)	(75)	(75)	(76)	(76)	(76)	(96)	(96)	(96)	(96)	(96)	(96)	(119)	(86)	
1015	PTP CF EXPECTATION																		
1016	0 Unk																		
1017	UNKNOWN																		
1018																			
1019			unknown ORIGINAL		600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
1020	0 Total				600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
1021	10122 Shell Energy																		
1022	00TX-10286																		
1023																			
1024			74928222R RENEWAL		125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
1025			77767024S ORIGINAL		141	141	141	141	141	141	141	141	141	141	141	141	141	141	141
1026	10122 Total				266	266	266	266	266	266	266	266	266	266	266	266	266	266	266
1027	10300 PAC																		
1028	04TX-11722																		
1029																			
1030			77119166R RENEWAL		-	-	-	-	-	-	-	-	-	88	88	88	88	22	
1031	10300 Total				-	-	-	-	-	-	-	-	-	88	88	88	88	22	
1032	10302 Iberdrola																		
1033	00TX-10367																		
1034																			
1035			80249998D RECALL		(50)	(50)	-	-	-	-	-	-	-	-	-	-	-	-	(8)
1036			73658753S ORIGINAL		33	33	33	33	33	33	33	33	33	33	33	33	33	33	
1037	10302 Total				(17)	(17)	33	33	33	33	33	33	33	33	33	33	33	33	25

Table 13.3
2017 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	FY 2017 Sales forecast as of 06/30/2015																		
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg		
3	Company/Contract																		
1038	10325 Puget																		
1039	06TX-12195																		
1040	74856145R RENEWAL																		
1041					12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1042	10325 Total																		
1043					12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1044	10381 TEMUS																		
1045	98TX-10172																		
1046	74623837R RENEWAL																		
1047					100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1048	10381 Total																		
1049	PTP CF EXPECTATION Total																		
1050					961	961	1,011	1,011	1,011	1,011	1,011	1,011	1,011	1,099	1,099	1,099	1,099	1,099	1,025
1051	IS CONFIRMED																		
1052	10033 BPA Power																		
1053	14TX-95363																		
1054					700	700	700	700	700	700	-	-	-	-	-	-	-	-	350
1055					300	300	300	300	300	300	-	-	-	-	-	-	-	-	150
1056					-	-	-	-	-	-	15	15	15	15	15	15	15	8	8
1057					-	-	-	-	-	-	700	700	700	700	700	700	700	350	350
1058					-	-	-	-	-	-	30	30	30	30	30	30	30	15	15
1059	10033 Total																		
1060					1,000	1,000	1,000	1,000	1,000	1,000	745	745	745	745	745	745	745	873	873
1061	10037 Powerex																		
1062	99TX-10251																		
1063					200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
1064					51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1065					150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
1066					49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1067					357	357	357	357	357	357	357	357	357	357	357	357	357	357	357
1068					42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
1069					286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
1070					650	650	650	650	650	650	650	650	650	650	650	650	650	650	650
1071					100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1072					100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1073	10037 Total																		
1074					1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985
1075	10122 Shell Energy																		
1076	00TX-10286																		
1077					50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1078					50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1079					20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1080					30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1081	10122 Total																		
1082					150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
1083	10199 Hermiston Power																		
1084	98TX-10154																		
1085					228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
1086					75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
1087					33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
1088					100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1089					100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1090	10199 Total																		
1091					536	536	536	536	536	536	536	536	536	536	536	536	536	536	536
1092	10264 Morgan Stanley																		
1093	97TX-10031																		
1094					15	15	15	-	-	-	-	-	-	-	-	-	-	-	4
1095					50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1096					15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
1097					-	-	-	-	-	-	85	85	85	85	85	85	85	85	43
1098					50	50	50	-	-	-	-	-	-	-	-	-	-	-	13
1099					50	50	50	-	-	-	-	-	-	-	-	-	-	-	13
1100					50	50	50	-	-	-	-	-	-	-	-	-	-	-	13
1101					50	50	50	-	-	-	-	-	-	-	-	-	-	-	13
1102					46	46	46	46	46	46	46	46	46	46	46	46	46	46	31
1103					39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
1104					15	15	15	15	15	15	15	15	15	15	15	15	15	15	8
1105	10264 Total																		
1106					380	380	380	165	165	165	235	235	189	189	189	189	189	189	238
1107	10300 PAC																		
1108	DE-MS79-94BP94280																		
1109					200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
1110	10300 Total																		
1111					200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
1112	10302 Iberdrola																		
1113	00TX-10367																		
1114					280	280	280	280	280	280	280	280	280	280	280	280	280	280	280
1115					15	15	15	-	-	-	-	-	-	-	-	-	-	-	4
1116					35	35	35	-	-	-	-	-	-	-	-	-	-	-	9
1117					95	95	95	95	95	95	95	95	95	95	95	95	95	95	55
1118					47	47	47	-	-	-	-	-	-	-	-	-	-	-	12
1119					42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
1120					30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1121					180	180	180	-	-	-	-	-	-	-	-	-	-	-	45
1122					75	75	75	-	-	-	-	-	-	-	-	-	-	-	19
1123					8	8	8	-	-	-	-	-	-	-	-	-	-	-	2
1124					-	-	-	-	-	-	50	50	50	50	50	50	50	50	25
1125					-	-	-	-	-	-	50	50	50	50	50	50	50	50	25
1126					-	-	-	-	-	-	50	50	50	50	50	50	50	50	25
1127					-	-	-	-	-	-	50	50	50	50	50	50	50	50	25
1128					15	15	15	15	15	15	15	15	15	15	15	15	15	15	8
1129	10302 Total																		
1130					822	822	822	462	462	462	647	647	552	552	552	552	552	552	605

Table 13.3
2017 Long-Term Transmission Demand
(MegaWatts)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	FY 2017 Sales forecast as of 06/30/2015																			
2	Rate/Status	ARef	Type		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Avg			
3	Company/Contract																			
1130																				
1131	10381 TEMUS																			
1132	98TX-10172																			
1133	77302316		RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1134	78163252		RENEWAL		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
1135	10381 Total				142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	
1136																				
1137	10849 Exelon Generation																			
1138	02TX-11265																			
1139	78225336		ORIGINAL		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
1140	78225361		ORIGINAL		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
1141	78225363		ORIGINAL		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
1142	78221134		ORIGINAL		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
1143	10849 Total				120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	
1144																				
1145	IS CONFIRMED Total				5,335	5,335	5,335	4,760	4,760	4,760	4,760	4,665	4,619	4,619	4,619	4,619	4,619	4,619	4,849	
1146																				
1147	IS EXPECTATION																			
1148	10033 BPA Power																			
1149	14TX-95363																			
1150	80522943S		ORIGINAL		-	-	-	120	120	120	120	120	120	120	120	120	120	120	90	
1151	10033 Total				-	-	-	120	120	120	120	120	120	120	120	120	120	120	90	
1152																				
1153	10037 Powerex																			
1154	99TX-10251																			
1155	75322538R		RENEWAL		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
1156	75322540R		RENEWAL		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
1157	75322539R		RENEWAL		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
1158	72742268R		RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
1159	10037 Total				100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1160																				
1161	10264 Morgan Stanley																			
1162	97TX-10031																			
1163	72496624R		RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1164	73014940R		RENEWAL		73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	
1165	72496577R		RENEWAL		74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	
1166	72921329R		RENEWAL		27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	
1167	1467616R		RENEWAL		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
1168	1470384R		RENEWAL		-	-	-	50	50	50	50	50	50	50	50	50	50	50	37	
1169	1470382R		RENEWAL		-	-	-	50	50	50	50	50	50	50	50	50	50	50	37	
1170	1470388R		RENEWAL		-	-	-	50	50	50	50	50	50	50	50	50	50	50	37	
1171	1470386R		RENEWAL		-	-	-	50	50	50	50	50	50	50	50	50	50	50	38	
1172	1470598R		RENEWAL		-	-	-	15	15	15	15	15	15	15	15	15	15	15	11	
1173	75533108R		RENEWAL		-	-	-	-	-	-	-	-	46	46	46	46	46	46	15	
1174	10264 Total				284	284	284	499	499	499	499	499	545	545	545	545	545	545	461	
1175																				
1176	10302 Iberdrola																			
1177	00TX-10367																			
1178	75596535R		RENEWAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1179	1466882R		RENEWAL		-	-	-	15	15	15	15	15	15	15	15	15	15	15	11	
1180	72511519R		RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
1181	72511486R		RENEWAL		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
1182	76303736R		RENEWAL		-	-	-	47	47	47	47	47	47	47	47	47	47	47	35	
1183	76303714R		RENEWAL		-	-	-	180	180	180	180	180	180	180	180	180	180	180	135	
1184	76659161R		RENEWAL		-	-	-	-	-	-	-	95	95	95	95	95	95	95	40	
1185	76303727R		RENEWAL		-	-	-	75	75	75	75	75	75	75	75	75	75	75	56	
1186	72511528R		RENEWAL		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
1187	72154100R		RENEWAL		-	-	-	35	35	35	35	35	35	35	35	35	35	35	26	
1188	76303731R		RENEWAL		-	-	-	8	8	8	8	8	8	8	8	8	8	8	6	
1189	10302 Total				203	203	203	563	563	563	563	658	658	658	658	658	658	658	513	
1190																				
1191	IS EXPECTATION Total				587	587	587	1,282	1,282	1,282	1,282	1,377	1,423	1,423	1,423	1,423	1,423	1,423	1,163	
1192																				
1193	IM CONFIRMED																			
1194	10300 PAC																			
1195	04TX-11722																			
1196	1195168		ORIGINAL		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
1197	77400411		RENEWAL		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
1198	10300 Total				16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
1199																				
1200	IM CONFIRMED Total				16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
1201																				

Table 14.1
NT Load Forecast at Transmission System Peak

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1				FY 2016											
2	Cust Id	Customer	Product	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
3															
4	10055	Albion	NT Billing Factor	0.512	0.625	0.753	0.772	0.687	0.593	0.484	0.366	0.361	0.404	0.390	0.336
5															
6	10005	Alder	NT Billing Factor	0.846	1.027	0.889	1.102	1.037	0.944	0.640	0.437	0.367	0.430	0.417	0.375
7															
8	10057	Ashland	NT Billing Factor	24.975	29.681	32.505	29.007	30.085	26.132	22.930	24.472	29.560	35.470	34.620	28.810
9															
10	10015	Asotin PUD	NT Billing Factor	0.267	0.223	0.137	0.734	0.010	0.150	0.107	0.575	0.501	0.855	0.959	0.123
11															
12	10016	Avista	NT Billing Factor	58.653	76.386	82.855	69.410	68.268	64.373	57.500	62.244	80.341	81.561	66.136	49.198
13															
14	10059	Bandon	NT Billing Factor	8.522	10.413	10.871	13.393	12.290	11.645	9.430	6.688	6.135	6.258	6.550	6.279
15															
16	10025	Benton REA	NT Billing Factor	75.566	82.712	81.382	84.294	80.320	70.229	78.320	82.891	103.069	111.753	109.983	100.912
17															
18	10027	Big Bend	NT Billing Factor	49.985	42.495	47.776	45.208	38.518	32.995	61.223	90.971	122.367	127.329	116.003	95.333
19															
20	10061	Blaine	NT Billing Factor	10.559	11.824	12.567	13.025	12.461	11.122	9.855	8.762	8.578	9.167	9.157	8.657
21															
22	10062	Bonniers Ferry	NT Billing Factor	9.400	11.887	12.609	11.491	10.522	10.366	8.832	7.610	8.425	9.039	9.356	8.616
23	10062	Bonniers Ferry	Short Distance Discount	-1.200	-1.200	-1.200	-1.200	-1.200	-1.200	-1.200	-1.200	-1.200	-1.200	-1.200	-1.200
24															
25	10064	Burley	NT Billing Factor	14.587	17.565	19.464	19.784	18.993	17.010	15.117	14.199	16.797	19.044	17.904	15.649
26															
27	10044	Canby	NT Billing Factor	31.181	38.818	41.192	41.456	40.051	36.236	33.937	32.011	33.866	39.194	39.802	35.837
28															
29	10065	Cascade Locks	NT Billing Factor	3.707	4.415	4.677	4.620	4.394	4.171	3.741	3.200	3.232	3.286	3.390	3.254
30															
31	10047	Central Lincoln	NT Billing Factor	189.181	201.714	227.463	217.199	225.428	193.159	178.355	149.944	141.393	139.210	143.882	151.304
32															
33	10066	Centralia	NT Billing Factor	35.376	41.950	48.427	40.164	39.819	33.032	30.463	19.744	21.055	28.869	32.180	29.270
34	10066	Centralia	Short Distance Discount	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308
35															
36	10067	Cheney	NT Billing Factor	20.626	24.256	26.831	26.793	23.565	22.739	20.042	17.271	18.449	22.501	21.380	20.389
37															
38	10068	Chewelah	NT Billing Factor	3.337	3.716	4.157	4.108	3.890	3.298	3.087	2.524	2.548	3.425	3.042	2.474
39															
40	10101	Clallam	NT Billing Factor	97.293	120.408	145.362	134.223	127.757	133.383	96.928	70.550	55.987	61.034	64.318	59.445
41															
42	10103	Clark	NT Billing Factor	585.193	745.769	856.129	844.710	789.926	681.994	604.224	553.411	586.422	633.564	683.631	599.551
43	10103	Clark	Short Distance Discount	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000
44															
45	10109	Columbia Basin	NT Billing Factor	12.258	12.292	15.257	14.096	13.554	13.290	16.494	17.779	19.999	20.455	18.434	16.889
46															
47	10111	Columbia Power	NT Billing Factor	2.450	3.263	4.100	3.530	2.962	2.896	2.388	3.033	3.821	4.722	4.106	3.498
48															
49	10113	Columbia REA	NT Billing Factor	40.667	25.716	31.225	25.771	27.260	29.312	40.357	56.696	78.875	90.271	86.408	68.918
50															
51	10112	Columbia River	NT Billing Factor	58.758	72.103	76.755	75.212	72.747	66.282	58.142	52.728	55.146	61.845	63.098	59.514
52															
53	10116	Consolidated	NT Billing Factor	0.063	0.210	0.215	0.192	0.195	0.151	0.159	0.084	0.356	0.235	0.142	0.172
54															
55	10378	Coulee Dam	NT Billing Factor	1.638	2.362	3.321	3.410	2.730	2.528	0.859	1.434	1.601	1.824	1.773	1.227
56															
57	10123	Cowlitz	NT Billing Factor	619.638	673.970	741.916	739.135	693.964	659.450	661.811	606.231	617.030	592.651	594.833	596.500
58															
59	10070	Declo	NT Billing Factor	0.452	0.534	0.614	0.601	0.575	0.489	0.429	0.406	0.352	0.399	0.374	0.414
60															
61	10426	DOE-RL	NT Billing Factor	16.587	25.600	31.800	32.906	25.141	27.074	17.832	20.525	21.214	25.169	23.369	20.992
62															
63	10071	Drain	NT Billing Factor	2.279	2.625	2.768	3.049	3.097	2.723	2.237	1.949	1.721	1.950	2.152	2.013
64															
65	10142	East End	NT Billing Factor	2.318	2.897	3.487	3.192	3.000	2.297	2.661	4.020	5.378	5.333	4.452	3.288
66															
67	10144	Eatonville	NT Billing Factor	4.128	5.063	6.988	5.626	6.359	6.147	4.237	3.123	2.817	2.745	2.949	2.972
68															
69	10072	Ellensburg	NT Billing Factor	27.687	34.209	34.714	38.570	35.097	32.255	27.479	25.657	28.442	31.975	30.043	29.401
70															
71	10156	Elmhurst	NT Billing Factor	48.484	53.577	68.295	64.223	60.915	49.357	34.063	25.648	23.003	29.315	28.968	25.284
72															

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1				FY 2016											
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73	10157	Emerald	NT Billing Factor	80.223	96.610	106.357	106.853	106.883	100.997	80.275	77.643	77.960	86.032	86.757	80.129
74	10157	Emerald	Short Distance Discount	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120
75															
76	10158	Energy Northwest	NT Billing Factor	1.573	1.019	1.865	1.528	1.456	0.989	1.342	0.789	0.992	0.832	1.599	0.906
77															
78	10170	EWEB	NT Billing Factor	291.807	339.027	376.380	361.631	364.023	315.815	276.232	245.186	244.958	288.713	296.839	270.141
79	10170	EWEB	Short Distance Discount	-26.281	-26.281	-26.281	-26.281	-26.281	-26.281	-26.281	-26.281	-26.281	-26.281	-26.281	-26.281
80															
81	10172	Fairchild	NT Billing Factor	5.938	6.197	6.496	6.577	5.708	5.911	5.954	5.938	6.503	7.540	7.514	6.321
82															
83	10174	Farmers	NT Billing Factor	0.582	0.756	0.934	0.923	0.815	0.664	0.499	0.489	0.514	0.560	0.522	0.486
84															
85	10177	Ferry	NT Billing Factor	11.659	14.334	15.427	15.511	14.319	13.318	10.897	10.033	8.509	7.763	8.886	7.593
86															
87	10179	Flathead	NT Billing Factor	218.874	254.651	298.822	271.009	262.421	236.805	200.809	171.917	180.509	211.535	196.521	184.188
88	10179	Flathead	Short Distance Discount	-0.471	-0.471	-0.470	-0.470	-0.470	-0.470	-0.470	-0.470	-0.470	-0.470	-0.470	-0.470
89															
90	10074	Forest Grove	NT Billing Factor	35.231	41.393	41.321	45.054	43.889	37.928	31.861	28.346	32.823	35.163	38.311	35.634
91															
92	10186	Glacier	NT Billing Factor	23.916	27.255	30.174	29.364	28.213	26.713	21.513	19.712	21.648	23.612	21.963	20.870
93															
94	10190	Grant	NT Billing Factor	5.913	10.139	10.603	11.708	9.199	6.409	6.561	4.569	4.753	5.969	5.974	4.620
95															
96	10197	Harney	NT Billing Factor	15.587	10.925	16.428	12.285	12.904	11.981	21.267	44.585	46.920	55.053	55.058	48.458
97															
98	10597	Hermiston	NT Billing Factor	13.514	15.442	19.452	17.906	16.260	12.122	11.412	10.273	19.468	21.096	20.531	17.657
99															
100	10076	Heyburn	NT Billing Factor	6.169	7.265	8.508	8.330	7.914	7.109	6.123	6.188	6.457	6.891	6.589	6.131
101															
102	10202	Hood River	NT Billing Factor	17.905	18.861	21.165	18.504	17.176	18.592	13.662	12.879	10.251	12.446	16.364	17.685
103															
104	10203	Idaho County	NT Billing Factor	8.052	9.500	12.293	11.081	9.319	9.270	7.295	6.443	6.112	6.973	6.961	6.279
105															
106	10204	Idaho Falls Power	NT Billing Factor	92.303	115.731	130.508	132.504	126.515	105.227	94.492	82.140	96.119	102.161	100.887	85.252
107															
108	10209	Inland	NT Billing Factor	113.773	158.674	184.942	170.639	137.300	142.828	117.694	112.399	113.428	136.858	130.635	117.790
109															
110	12026	Jefferson	NT Billing Factor	45.195	58.069	81.659	66.400	59.899	59.277	39.684	37.708	36.570	34.891	34.474	29.540
111															
112	10230	Kittitas	NT Billing Factor	14.625	16.399	20.492	18.164	17.790	16.689	11.716	11.257	10.904	14.394	14.184	11.988
113															
114	10234	Kootenai	NT Billing Factor	59.857	83.883	96.960	80.289	69.768	70.074	55.081	52.563	61.142	70.786	68.095	60.133
115															
116	10235	Lakeview	NT Billing Factor	38.366	45.640	49.534	50.454	49.753	43.148	36.999	30.823	32.133	34.322	33.973	32.114
117															
118	10237	Lewis	NT Billing Factor	128.823	151.192	182.790	176.379	175.461	160.046	140.610	108.713	99.690	105.284	114.957	100.940
119	10237	Lewis	Short Distance Discount	-0.345	-0.345	-0.345	-0.345	-0.345	-0.345	-0.345	-0.345	-0.345	-0.345	-0.345	-0.345
120															
121	10242	Lost River	NT Billing Factor	5.986	7.201	7.606	7.242	6.802	5.652	4.736	10.707	17.798	21.504	18.977	12.246
122															
123	10244	Lower Valley	NT Billing Factor	89.731	122.778	165.706	150.063	135.731	111.609	86.003	75.876	75.542	79.970	76.447	74.410
124															
125	10246	Mason 1	NT Billing Factor	8.801	11.548	14.140	14.488	12.932	12.469	9.358	7.218	5.919	5.611	5.639	5.590
126															
127	10247	Mason 3	NT Billing Factor	89.126	104.386	138.273	124.576	121.225	119.342	98.582	79.154	68.212	68.712	73.642	65.376
128															
129	10078	McCleary	NT Billing Factor	3.549	4.555	5.401	4.656	4.763	5.017	4.817	3.289	2.379	3.210	3.754	2.382
130															
131	10079	McMinnville	NT Billing Factor	103.278	135.862	135.146	141.705	131.793	129.269	111.441	106.690	109.709	112.995	117.773	109.962
132															
133	10256	Midstate	NT Billing Factor	45.699	44.819	99.343	65.435	85.056	49.271	49.784	57.377	48.830	57.437	50.379	44.185
134															
135	10080	Milton	NT Billing Factor	8.856	10.914	12.829	11.723	10.916	10.384	8.961	6.492	6.656	7.069	7.365	6.992
136															
137	10081	Milton-Freewater	NT Billing Factor	14.171	18.943	22.979	19.534	16.476	16.913	11.968	12.114	15.197	17.497	16.478	15.103
138															
139	10082	Minidoka	NT Billing Factor	0.133	0.168	0.192	0.197	0.179	0.142	0.117	0.093	0.085	0.086	0.084	0.075
140															
141	10258	Mission Valley	NT Billing Factor	54.718	63.738	76.609	73.684	69.219	61.497	44.937	46.419	37.969	46.052	53.854	44.660
142	10258	Mission Valley	Short Distance Discount	-4.480	-2.986	-2.986	-2.986	-2.986	-2.986	-4.480	-4.480	-4.480	-4.480	-4.480	-4.480

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143															
144	10259	Missoula	NT Billing Factor	32.351	38.369	46.270	42.247	36.505	34.567	27.778	29.061	31.500	33.799	35.183	29.649
145															
146	10260	Modern	NT Billing Factor	28.087	35.541	39.768	39.219	36.549	34.547	28.645	25.834	31.131	35.879	35.926	31.889
147															
148	10083	Monmouth	NT Billing Factor	11.020	12.946	13.630	14.344	14.066	11.996	10.628	8.505	8.621	10.281	10.334	9.420
149															
150	10273	Nespelem	NT Billing Factor	5.322	8.522	9.150	8.151	6.676	6.892	8.781	9.193	13.154	14.349	14.213	12.953
151															
152	10406	NETL	NT Billing Factor	0.555	0.816	0.924	0.961	0.961	0.826	0.655	0.501	0.400	0.470	0.460	0.432
153															
154	10279	Northern Wasco	NT Billing Factor	75.718	84.345	101.180	92.500	82.600	92.168	81.295	87.111	98.195	106.591	97.505	90.366
155															
156	10284	Ohop	NT Billing Factor	12.621	16.616	20.966	18.081	18.521	16.801	13.123	8.709	6.843	8.430	8.450	7.233
157															
158	10288	OPALCO	NT Billing Factor	30.969	39.172	48.654	41.711	38.442	37.079	33.538	22.718	19.554	20.021	19.563	17.954
159															
160	10291	Oregon Trail	NT Billing Factor	84.261	98.791	110.195	101.500	95.840	95.151	91.689	88.112	95.620	103.383	98.493	84.909
161															
162	10300	PAC	NT Billing Factor	246.565	289.283	328.359	278.392	278.771	260.055	250.190	225.011	221.843	234.471	236.791	247.295
163															
164	10294	Pacific	NT Billing Factor	42.856	53.540	63.473	62.547	58.854	54.473	46.844	39.349	29.369	28.698	29.990	29.520
165															
166	10304	Parkland	NT Billing Factor	17.996	22.535	26.262	24.869	23.827	19.473	14.939	11.934	11.459	12.667	12.674	11.928
167															
168	10307	Peninsula	NT Billing Factor	99.956	115.213	135.973	134.553	125.553	106.919	83.880	66.839	62.675	69.065	69.766	64.750
169															
170	10086	Plummer	NT Billing Factor	4.699	5.052	5.912	6.050	5.614	5.511	4.738	3.622	3.256	3.468	3.818	3.236
171															
172		PNGC													
173	10298	Blachly-Lane	NT Billing Factor	22.627	25.763	31.234	28.719	29.179	27.987	23.154	21.630	19.264	21.960	22.714	20.923
174	10298	CEC	NT Billing Factor	76.024	120.982	163.118	117.862	109.048	99.896	86.137	86.879	95.731	103.631	97.173	89.665
175	10298	Clearwater	NT Billing Factor	28.667	36.311	40.690	38.345	36.715	31.590	28.293	22.849	21.485	23.957	24.086	20.394
176	10298	Consumers	NT Billing Factor	38.651	43.493	49.337	51.370	48.449	43.827	39.830	30.723	26.950	35.864	38.758	31.209
177	10298	Coos-Curry	NT Billing Factor	50.184	55.219	63.113	65.771	59.274	61.455	48.499	42.824	38.108	37.554	41.452	42.499
178	10298	Douglas Elec	NT Billing Factor	21.301	27.372	29.862	29.870	29.468	25.401	25.355	19.769	18.562	20.544	22.385	18.077
179	10298	Fall River	NT Billing Factor	33.737	42.736	51.711	51.139	48.656	40.069	32.981	27.614	43.603	56.085	42.746	28.160
180	10298	Fall River	Short Distance Discount	-1.478	-1.478	-1.478	-1.478	-1.478	-1.478	-1.478	-1.478	-1.478	-1.478	-1.478	-1.478
181	10298	Lane Electric	NT Billing Factor	43.367	53.970	59.795	63.542	61.902	50.917	46.858	30.632	27.107	32.496	32.864	29.259
182	10298	Lane Electric	Short Distance Discount	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080
183	10298	Lincoln	NT Billing Factor	15.366	19.756	21.718	19.106	17.488	16.986	12.123	11.925	9.853	11.038	11.084	10.230
184	10298	Northern Lights	NT Billing Factor	40.121	60.352	65.554	57.218	46.936	46.836	35.734	34.153	30.983	35.126	36.887	35.208
185	10298	Northern Lights	Short Distance Discount	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941
186	10298	Okanogan Coop	NT Billing Factor	7.408	10.874	13.782	13.821	10.740	8.375	6.672	5.929	5.382	6.252	6.330	5.168
187	10298	Raft River	NT Billing Factor	16.124	18.416	21.587	22.333	21.000	19.673	24.571	54.457	65.693	73.128	66.506	54.861
188	10298	Umatilla	NT Billing Factor	188.123	207.698	214.370	210.200	207.670	189.542	214.449	222.099	284.751	301.546	296.388	261.574
189	10298	West Oregon	NT Billing Factor	11.084	12.182	13.226	12.572	12.635	12.496	10.583	9.148	7.159	7.443	7.489	6.978
190															
191	10706	Port	NT Billing Factor	16.314	16.490	16.964	16.633	16.773	17.002	15.785	15.857	18.589	19.348	19.917	18.135
192															
193	10087	Port Angeles	NT Billing Factor	65.270	80.701	82.305	78.083	86.742	75.814	53.450	54.276	48.163	43.273	48.043	46.180
194															
195	10312	Port Townsend Paper	NT Billing Factor	14.123	17.502	17.838	19.073	19.026	14.932	17.680	17.873	19.235	16.194	17.085	18.966
196															
197	10333	Ravalli County	NT Billing Factor	19.056	22.753	27.289	25.581	22.656	20.091	16.037	18.136	18.330	19.435	20.178	16.265
198															
199	10089	Richland	NT Billing Factor	105.664	113.700	182.500	148.177	159.423	121.852	110.071	94.956	146.766	174.310	163.934	159.153
200															
201	10338	Riverside Electric	NT Billing Factor	2.456	3.488	3.954	3.228	3.459	3.040	2.271	2.211	3.679	4.053	3.205	2.598
202															
203	10091	Rupert	NT Billing Factor	10.650	13.793	15.352	15.471	15.073	12.811	11.258	9.218	9.853	10.934	10.131	9.397
204															
205	10342	Salem	NT Billing Factor	47.552	56.441	62.401	59.574	59.413	52.550	44.937	40.256	45.669	56.344	57.791	49.736
206															
207	10343	Salmon River	NT Billing Factor	23.334	26.639	32.741	33.533	28.474	27.435	22.141	23.583	27.925	23.424	27.782	27.259
208															
209	10352	Skamania	NT Billing Factor	18.911	22.912	26.730	25.914	22.492	23.882	20.789	15.569	15.535	14.900	14.581	15.408
210															
211	10094	Soda Springs	NT Billing Factor	3.675	4.353	4.831	4.556	4.384	3.966	3.741	3.155	3.394	3.500	3.512	3.288
212															

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1				FY 2016											
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213	10360	South Side	NT Billing Factor	4.134	6.098	7.125	7.066	6.724	5.771	5.817	10.004	16.216	16.858	12.885	9.913
214															
215	10379	Steilacoom	NT Billing Factor	6.594	8.841	9.542	8.907	8.681	7.378	5.594	4.823	3.834	4.311	4.472	4.372
216															
217	10363	SUB	NT Billing Factor	106.611	133.550	146.450	138.332	141.070	117.877	104.791	86.974	93.425	106.765	110.128	101.306
218															
219	10095	Sumas	NT Billing Factor	3.728	4.458	4.828	4.324	4.631	4.527	4.353	4.053	4.009	4.196	4.143	3.801
220															
221	10369	Surprise Valley	NT Billing Factor	15.130	12.075	19.836	16.324	16.053	16.539	11.974	27.098	26.904	33.638	31.604	26.164
222															
223	10371	Tanner	NT Billing Factor	14.565	17.066	19.073	17.909	17.136	16.974	11.777	10.103	10.516	12.376	11.426	10.244
224															
225	10376	Tillamook	NT Billing Factor	67.038	81.119	89.743	91.432	88.921	80.118	73.385	52.707	46.945	48.705	47.811	46.621
226	10376	Tillamook	Short Distance Discount	-0.087	-0.102	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094
227															
228	10097	Troy	NT Billing Factor	2.752	3.090	4.147	3.471	3.106	3.246	2.465	1.909	1.821	2.281	2.272	1.941
229															
230	10482	UIUC	NT Billing Factor	4.797	5.828	5.435	5.099	5.685	5.416	4.838	5.401	5.147	4.995	5.377	5.428
231															
232	10391	United Electric	NT Billing Factor	22.770	27.513	29.743	32.966	30.493	26.236	25.335	28.349	40.824	43.672	36.166	31.319
233															
234	10409	USN Bangor	NT Billing Factor	21.086	24.829	26.234	23.370	23.653	23.743	22.089	19.762	19.150	18.439	18.744	18.282
235															
236	10326	USN Bremerton	NT Billing Factor	31.534	27.622	37.410	36.127	34.951	37.642	36.950	29.269	32.345	34.163	24.002	24.233
237															
238	10408	USN Everett	NT Billing Factor	1.580	1.734	1.745	1.754	1.690	1.701	1.460	1.512	1.056	0.997	0.984	1.403
239															
240	10434	Vera	NT Billing Factor	35.865	42.874	47.296	46.151	40.214	38.851	31.975	28.534	36.574	43.811	41.225	37.899
241															
242	10436	Vigilante	NT Billing Factor	17.400	21.209	25.429	22.740	21.844	18.147	15.831	24.702	32.919	33.217	28.650	22.469
243															
244	10440	Wahkiakum	NT Billing Factor	3.297	4.469	4.307	6.259	4.136	3.579	3.210	2.349	1.718	1.941	2.027	3.063
245															
246	10442	Wasco	NT Billing Factor	11.326	14.503	18.390	16.473	14.975	13.009	11.144	12.698	17.162	18.916	16.470	13.139
247															
248	11680	Weiser	NT Billing Factor	7.366	8.431	9.123	9.335	9.072	7.818	6.941	7.237	8.396	10.061	10.185	8.272
249															
250	10451	Whatcom	NT Billing Factor	27.209	27.818	27.469	27.474	28.110	27.809	27.769	26.201	27.085	27.583	27.488	27.186
251															
252	10446	WREC	NT Billing Factor	96.393	103.911	108.844	112.893	110.993	103.254	90.690	76.749	101.722	96.602	103.585	97.635
253															
254	10502	Yakama	NT Billing Factor	6.317	6.408	6.322	6.300	6.161	6.116	5.693	6.020	6.961	7.704	7.657	6.773
255															
256	Total	NT Billing Factor		5,831	6,906	7,980	7,549	7,226	6,562	5,881	5,462	5,826	6,295	6,270	5,736
257	Total	Short Distance Discount		-120	-118	-118	-118	-118	-118	-120	-120	-120	-120	-120	-120

Table 14.1
NT Load Forecast at Transmission System Peak

	A	B	C	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1				FY 2017											
2	Cust Id	Customer	Product	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
3															
4	10055	Albion	NT Billing Factor	0.515	0.627	0.755	0.774	0.690	0.595	0.486	0.368	0.363	0.406	0.393	0.338
5															
6	10005	Alder	NT Billing Factor	0.855	1.036	0.895	1.110	1.045	0.952	0.646	0.442	0.372	0.436	0.423	0.381
7															
8	10057	Ashland	NT Billing Factor	25.103	29.811	32.631	29.121	30.209	26.244	23.032	24.598	29.692	35.594	34.746	28.932
9															
10	10015	Asotin PUD	NT Billing Factor	0.269	0.225	0.138	0.739	0.010	0.151	0.107	0.579	0.505	0.861	0.965	0.123
11															
12	10016	Avista	NT Billing Factor	58.577	76.296	82.771	69.330	68.194	64.293	57.426	62.143	80.238	81.451	66.046	49.091
13															
14	10059	Bandon	NT Billing Factor	8.543	10.439	10.898	13.426	12.320	11.675	9.454	6.704	6.151	6.274	6.567	6.296
15															
16	10025	Benton REA	NT Billing Factor	76.800	84.125	82.741	85.309	81.297	71.087	79.247	83.857	104.267	113.057	111.255	102.060
17															
18	10027	Big Bend	NT Billing Factor	50.322	42.852	48.135	45.549	38.840	33.295	61.605	91.371	122.834	127.713	116.380	95.686
19															
20	10061	Blaine	NT Billing Factor	10.612	11.884	12.631	13.090	12.524	11.179	9.905	8.806	8.622	9.213	9.203	8.701
21															
22	10062	Bonnors Ferry	NT Billing Factor	9.408	11.895	12.616	11.498	10.528	10.373	8.838	7.616	8.432	9.046	9.364	8.622
23	10062	Bonnors Ferry	Short Distance Discount	-1.200	-1.200	-1.200	-1.200	-1.200	-1.200	-1.200	-1.200	-1.200	-1.200	-1.200	-1.200
24															
25	10064	Burley	NT Billing Factor	14.603	17.581	19.480	19.801	19.010	17.026	15.133	14.214	16.814	19.061	17.920	15.666
26															
27	10044	Canby	NT Billing Factor	31.320	38.959	41.328	41.588	40.187	36.372	34.075	32.155	34.010	39.343	39.946	35.982
28															
29	10065	Cascade Locks	NT Billing Factor	3.707	4.415	4.677	4.620	4.394	4.171	3.741	3.200	3.232	3.286	3.390	3.254
30															
31	10047	Central Lincoln	NT Billing Factor	189.650	202.214	228.028	217.739	225.986	193.637	178.796	150.315	141.744	139.556	144.238	151.680
32															
33	10066	Centralia	NT Billing Factor	35.892	42.493	49.020	40.693	40.362	33.543	30.981	20.195	21.573	29.456	32.759	29.811
34	10066	Centralia	Short Distance Discount	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308	-3.308
35															
36	10067	Cheney	NT Billing Factor	21.144	24.868	27.511	27.194	24.772	23.079	20.342	17.530	18.726	22.839	21.700	20.695
37															
38	10068	Chewelah	NT Billing Factor	3.346	3.725	4.167	4.118	3.900	3.306	3.094	2.531	2.554	3.433	3.049	2.481
39															
40	10101	Clallam	NT Billing Factor	98.098	121.302	146.303	135.065	128.574	134.311	97.698	71.424	56.761	61.963	65.270	60.173
41															
42	10103	Clark	NT Billing Factor	586.645	747.619	858.253	846.806	791.887	683.685	605.723	554.782	587.875	635.134	685.324	601.037
43	10103	Clark	Short Distance Discount	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000
44															
45	10109	Columbia Basin	NT Billing Factor	12.323	12.355	15.337	14.171	13.625	13.358	16.572	17.863	20.093	20.551	18.519	16.967
46															
47	10111	Columbia Power	NT Billing Factor	2.459	3.275	4.115	3.543	2.973	2.906	2.396	3.045	3.837	4.742	4.122	3.511
48															
49	10113	Columbia REA	NT Billing Factor	41.166	26.088	31.670	26.121	27.631	29.707	40.815	57.238	79.521	90.981	87.129	69.573
50															
51	10112	Columbia River	NT Billing Factor	59.053	72.465	77.143	75.593	73.112	66.614	58.434	52.996	55.424	62.157	63.417	59.813
52															
53	10116	Consolidated	NT Billing Factor	0.063	0.211	0.217	0.193	0.204	0.152	0.161	0.084	0.358	0.237	0.143	0.173
54															
55	10378	Coulee Dam	NT Billing Factor	1.655	2.386	3.355	3.444	2.856	2.553	0.868	1.448	1.617	1.842	1.791	1.239
56															
57	10123	Cowlitz	NT Billing Factor	624.338	680.836	748.770	740.840	695.680	661.068	663.479	608.273	618.493	594.980	605.284	608.289
58															
59	10070	Declo	NT Billing Factor	0.452	0.534	0.614	0.601	0.575	0.489	0.429	0.406	0.352	0.399	0.374	0.414
60															
61	10426	DOE-RL	NT Billing Factor	17.006	25.600	31.800	36.939	28.221	30.414	20.035	23.066	23.837	28.281	26.262	23.586
62															
63	10071	Drain	NT Billing Factor	2.285	2.632	2.775	3.056	3.105	2.730	2.242	1.954	1.726	1.955	2.158	2.018
64															
65	10142	East End	NT Billing Factor	2.329	2.911	3.504	3.207	3.015	2.308	2.674	4.040	5.404	5.359	4.473	3.304
66															
67	10144	Eatonville	NT Billing Factor	4.138	5.076	7.005	5.640	6.374	6.162	4.248	3.131	2.824	2.752	2.957	2.979
68															
69	10072	Ellensburg	NT Billing Factor	27.753	34.292	34.798	38.664	35.182	32.332	27.544	25.718	28.510	32.052	30.115	29.472
70															
71	10156	Elmhurst	NT Billing Factor	48.964	54.008	68.787	64.672	61.380	49.761	34.369	25.996	23.368	29.762	29.395	25.658
72															

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NT Load Forecast at Transmission System Peak

	A	B	C	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1				FY 2017											
2	Cust Id	Customer	Product	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
73	10157	Emerald	NT Billing Factor	80.721	97.186	106.968	107.475	107.497	101.579	80.753	78.119	78.424	86.554	87.275	80.614
74	10157	Emerald	Short Distance Discount	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120	-1.120
75															
76	10158	Energy Northwest	NT Billing Factor	1.387	0.895	1.591	1.808	1.678	1.126	1.534	0.897	1.133	0.931	1.755	1.034
77															
78	10170	EWEB	NT Billing Factor	293.539	341.023	378.551	363.753	366.147	317.680	277.895	246.648	246.461	290.421	298.548	271.728
79	10170	EWEB	Short Distance Discount	-26.281	-26.281	-26.281	-26.281	-26.281	-26.281	-26.281	-26.281	-26.281	-26.281	-26.281	-26.281
80															
81	10172	Fairchild	NT Billing Factor	5.967	6.227	6.529	6.609	5.942	5.942	5.983	5.968	6.536	7.578	7.552	6.352
82															
83	10174	Farmers	NT Billing Factor	0.583	0.757	0.934	0.924	0.815	0.664	0.499	0.490	0.514	0.560	0.522	0.486
84															
85	10177	Ferry	NT Billing Factor	10.480	12.705	13.881	15.590	14.907	13.387	10.952	10.084	8.551	7.802	8.930	7.632
86															
87	10179	Flathead	NT Billing Factor	221.718	258.007	302.803	274.616	272.829	239.938	203.468	174.254	183.100	214.314	199.106	186.621
88	10179	Flathead	Short Distance Discount	-0.471	-0.471	-0.470	-0.470	-0.470	-0.470	-0.470	-0.470	-0.470	-0.470	-0.470	-0.470
89															
90	10074	Forest Grove	NT Billing Factor	35.498	41.708	41.640	45.398	44.223	38.218	32.105	28.565	33.076	35.433	38.603	35.907
91															
92	10186	Glacier	NT Billing Factor	24.036	27.391	30.325	29.511	29.366	26.846	21.620	19.810	21.756	23.730	22.073	20.974
93															
94	10190	Grant	NT Billing Factor	5.967	10.196	10.656	11.766	9.254	6.456	6.613	4.616	4.803	6.026	6.029	4.674
95															
96	10197	Harney	NT Billing Factor	15.592	10.930	16.436	12.290	12.909	11.986	21.271	44.605	46.944	55.084	55.087	48.477
97															
98	10597	Hermiston	NT Billing Factor	13.528	15.457	19.466	17.919	16.907	12.134	11.424	10.284	19.486	21.111	20.546	17.673
99															
100	10076	Heyburn	NT Billing Factor	6.231	7.338	8.592	8.413	7.993	7.180	6.184	6.250	6.522	6.959	6.654	6.192
101															
102	10202	Hood River	NT Billing Factor	18.084	19.050	21.376	18.690	17.348	18.778	13.798	13.008	10.353	12.570	16.527	17.862
103															
104	10203	Idaho County	NT Billing Factor	8.114	9.576	12.393	11.171	9.729	9.345	7.354	6.494	6.161	7.030	7.018	6.330
105															
106	10204	Idaho Falls Power	NT Billing Factor	92.740	116.183	130.949	132.954	126.953	105.644	94.922	82.563	96.568	102.617	101.343	85.690
107															
108	10209	Inland	NT Billing Factor	115.088	160.576	187.142	172.673	143.912	144.550	119.069	113.693	114.738	138.416	132.099	119.121
109															
110	12026	Jefferson	NT Billing Factor	45.787	60.386	84.864	68.892	62.985	61.841	42.027	40.123	38.921	37.712	37.603	32.083
111															
112	10230	Kittitas	NT Billing Factor	14.732	16.519	20.642	18.297	17.920	16.811	11.801	11.339	10.982	14.498	14.287	12.074
113															
114	10234	Kootenai	NT Billing Factor	60.178	84.231	97.305	80.597	70.960	70.415	55.384	52.871	61.499	71.153	68.453	60.481
115															
116	10235	Lakeview	NT Billing Factor	38.558	45.868	49.782	50.706	50.002	43.364	37.184	30.977	32.292	34.494	34.141	32.274
117															
118	10237	Lewis	NT Billing Factor	129.128	151.529	183.196	176.751	175.786	160.396	140.925	108.975	99.929	105.544	115.240	101.187
119	10237	Lewis	Short Distance Discount	-0.345	-0.345	-0.345	-0.345	-0.345	-0.345	-0.345	-0.345	-0.345	-0.345	-0.345	-0.345
120															
121	10242	Lost River	NT Billing Factor	6.026	7.245	7.650	7.242	6.802	5.652	4.736	10.809	17.937	21.654	19.125	12.380
122															
123	10244	Lower Valley	NT Billing Factor	92.390	125.944	169.661	153.752	139.001	114.523	88.488	78.117	78.263	83.291	79.313	76.670
124															
125	10246	Mason 1	NT Billing Factor	8.370	11.143	13.779	14.153	12.643	12.219	9.182	7.022	5.799	5.516	5.569	5.571
126															
127	10247	Mason 3	NT Billing Factor	91.846	106.994	141.199	127.090	123.870	121.389	100.335	80.455	69.489	69.369	74.488	65.961
128															
129	10078	McCleary	NT Billing Factor	3.548	4.553	5.399	4.654	4.761	5.015	4.815	3.287	2.378	3.208	3.751	2.381
130															
131	10079	McMinnville	NT Billing Factor	103.802	136.491	135.716	142.282	132.346	129.863	111.954	107.211	110.293	113.524	118.352	110.506
132															
133	10256	Midstate	NT Billing Factor	45.851	44.975	99.688	65.681	85.375	49.456	49.977	57.621	49.040	57.688	50.599	44.362
134															
135	10080	Milton	NT Billing Factor	8.900	10.969	12.893	11.782	10.970	10.436	9.005	6.525	6.690	7.105	7.402	7.028
136															
137	10081	Milton-Freewater	NT Billing Factor	14.184	18.960	23.000	19.551	16.491	16.929	11.978	12.124	15.210	17.512	16.493	15.115
138															
139	10082	Minidoka	NT Billing Factor	0.133	0.168	0.192	0.197	0.179	0.142	0.117	0.093	0.085	0.086	0.084	0.075
140															
141	10258	Mission Valley	NT Billing Factor	55.176	64.272	77.253	74.302	69.801	62.014	45.313	46.804	38.286	46.439	54.304	45.032
142	10258	Mission Valley	Short Distance Discount	-4.480	-2.986	-2.986	-2.986	-2.986	-2.986	-4.480	-4.480	-4.480	-4.480	-4.480	-4.480

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1				FY 2017											
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143															
144	10259	Missoula	NT Billing Factor	32.687	38.759	46.746	42.688	38.202	34.928	28.067	29.365	31.818	34.136	35.537	29.953
145															
146	10260	Modern	NT Billing Factor	28.255	35.752	40.004	39.453	36.764	34.752	28.814	25.987	31.317	36.092	36.139	32.080
147															
148	10083	Monmouth	NT Billing Factor	11.076	13.010	13.698	14.416	14.136	12.056	10.682	8.547	8.665	10.333	10.386	9.466
149															
150	10273	Nespelem	NT Billing Factor	7.175	8.575	9.203	8.199	6.720	6.942	8.818	9.234	13.217	14.410	14.274	13.015
151															
152	10406	NETL	NT Billing Factor	0.555	0.816	0.924	0.961	0.961	0.826	0.655	0.501	0.400	0.470	0.460	0.432
153															
154	10279	Northern Wasco	NT Billing Factor	86.229	92.265	107.181	98.145	91.529	102.908	91.882	92.361	96.646	109.041	107.878	100.490
155															
156	10284	Ohop	NT Billing Factor	12.652	16.657	21.019	18.127	18.567	16.843	13.156	8.731	6.860	8.451	8.471	7.251
157															
158	10288	OPALCO	NT Billing Factor	30.969	39.172	48.654	41.711	38.442	37.079	33.538	22.718	19.554	20.021	19.564	17.955
159															
160	10291	Oregon Trail	NT Billing Factor	85.250	99.934	111.463	102.644	96.923	96.247	92.752	89.145	96.765	104.613	99.647	85.910
161															
162	10300	PAC	NT Billing Factor	246.535	289.284	328.357	278.391	278.770	260.055	250.190	225.011	221.842	234.472	236.792	247.273
163															
164	10294	Pacific	NT Billing Factor	42.960	53.670	63.626	62.697	58.996	54.603	46.956	39.442	29.436	28.763	30.060	29.587
165															
166	10304	Parkland	NT Billing Factor	18.114	22.659	26.392	24.991	23.951	19.583	15.038	12.028	11.569	12.786	12.791	12.031
167															
168	10307	Peninsula	NT Billing Factor	101.217	116.436	137.266	135.813	126.772	108.066	84.887	67.891	63.775	70.225	70.930	65.809
169															
170	10086	Plummer	NT Billing Factor	4.711	5.065	5.927	6.015	5.566	5.470	4.702	3.587	3.211	3.421	3.769	3.196
171															
172		PNGC													
173	10298	Blachly-Lane	NT Billing Factor	22.627	25.763	31.234	28.719	29.179	27.987	23.154	21.630	19.264	21.960	22.714	20.923
174	10298	CEC	NT Billing Factor	76.305	121.290	163.467	118.151	109.330	100.219	86.421	87.195	96.114	104.031	97.562	90.017
175	10298	Clearwater	NT Billing Factor	28.728	36.375	40.838	38.410	36.777	31.652	28.353	22.902	21.544	24.020	24.149	20.444
176	10298	Consumers	NT Billing Factor	38.828	43.688	49.557	51.604	48.670	44.026	40.011	30.860	27.070	36.024	38.937	31.349
177	10298	Coos-Curry	NT Billing Factor	50.184	55.219	63.113	65.771	59.274	61.455	48.499	42.824	38.108	37.554	41.452	42.499
178	10298	Douglas Elec	NT Billing Factor	21.353	27.440	29.934	29.945	29.542	25.464	25.418	19.817	18.607	20.596	22.440	18.122
179	10298	Fall River	NT Billing Factor	34.054	43.065	52.032	51.466	48.973	40.378	33.277	27.877	43.885	56.393	43.028	28.430
180	10298	Fall River	Short Distance Discount	-1.478	-1.478	-1.478	-1.478	-1.478	-1.478	-1.478	-1.478	-1.478	-1.478	-1.478	-1.478
181	10298	Lane Electric	NT Billing Factor	43.472	54.085	59.916	63.675	62.029	51.022	46.957	30.725	27.185	32.578	32.944	29.335
182	10298	Lane Electric	Short Distance Discount	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080	-0.080
183	10298	Lincoln	NT Billing Factor	15.366	19.756	21.718	19.106	17.488	16.986	12.123	11.925	9.853	11.038	11.084	10.230
184	10298	Northern Lights	NT Billing Factor	40.450	60.677	65.888	57.520	47.212	47.147	36.022	34.438	31.276	35.443	37.215	35.505
185	10298	Northern Lights	Short Distance Discount	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941
186	10298	Okanogan Coop	NT Billing Factor	7.407	10.874	13.781	13.821	10.740	8.375	6.670	5.929	5.383	6.253	6.330	5.169
187	10298	Raft River	NT Billing Factor	16.231	18.588	21.759	22.512	21.177	19.845	24.685	54.609	65.864	73.310	66.691	55.043
188	10298	Umatilla	NT Billing Factor	194.153	212.552	215.660	211.404	208.844	190.778	215.647	223.285	286.050	302.903	297.715	262.868
189	10298	West Oregon	NT Billing Factor	11.084	12.182	13.226	12.572	12.635	12.496	10.583	9.148	7.159	7.443	7.489	6.978
190															
191	10706	Port	NT Billing Factor	16.203	16.360	16.833	16.332	16.461	16.712	15.528	15.596	18.262	19.064	19.669	17.879
192															
193	10087	Port Angeles	NT Billing Factor	65.434	80.904	82.495	78.272	86.955	75.998	53.597	54.435	48.309	43.400	48.188	46.255
194															
195	10312	Port Townsend Paper	NT Billing Factor	14.123	17.502	17.838	19.073	19.026	14.932	17.680	17.873	19.235	16.194	17.085	18.966
196															
197	10333	Ravalli County	NT Billing Factor	19.221	22.946	27.521	25.802	23.665	20.262	16.175	18.291	18.486	19.603	20.353	16.405
198															
199	10089	Richland	NT Billing Factor	109.556	117.595	188.025	149.918	161.300	123.292	111.375	96.082	148.507	176.356	165.852	161.038
200															
201	10338	Riverside Electric	NT Billing Factor	2.475	3.510	3.979	3.252	3.483	3.060	2.291	2.235	3.707	4.081	3.230	2.620
202															
203	10091	Rupert	NT Billing Factor	10.692	13.804	15.353	15.413	14.962	12.610	11.290	9.243	9.880	10.964	10.159	9.424
204															
205	10342	Salem	NT Billing Factor	47.668	56.579	62.553	59.719	59.558	52.678	45.046	40.354	45.779	56.481	57.932	49.857
206															
207	10343	Salmon River	NT Billing Factor	23.290	26.603	32.699	33.470	29.202	27.396	22.109	23.550	27.887	23.399	27.744	27.211
208															
209	10352	Skamania	NT Billing Factor	18.959	22.969	26.797	25.978	22.549	23.942	20.839	15.607	15.572	14.936	14.616	15.446
210															
211	10094	Soda Springs	NT Billing Factor	3.655	4.332	4.810	4.565	4.363	3.945	3.721	3.132	3.362	3.479	3.491	3.267
212															

Table 14.1
NT Load Forecast at Transmission System Peak

	A	B	C	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1				FY 2017											
2	Cust Id	Customer	Product	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
213	10360	South Side	NT Billing Factor	4.147	6.117	7.147	7.087	6.744	5.788	5.835	10.034	16.264	16.909	12.924	9.943
214															
215	10379	Steilacoom	NT Billing Factor	6.632	8.882	9.584	8.945	8.719	7.418	5.625	4.857	3.866	4.346	4.508	4.406
216															
217	10363	SUB	NT Billing Factor	106.897	133.904	146.836	138.696	141.441	118.190	105.070	87.212	93.679	107.053	110.424	101.581
218															
219	10095	Sumas	NT Billing Factor	3.748	4.481	4.852	4.345	4.654	4.550	4.376	4.075	4.031	4.218	4.166	3.822
220															
221	10369	Surprise Valley	NT Billing Factor	15.188	12.123	19.913	16.389	16.119	16.609	12.021	27.199	27.004	33.759	31.718	26.258
222															
223	10371	Tanner	NT Billing Factor	14.734	17.233	19.241	18.073	17.304	17.152	11.915	10.235	10.661	12.544	11.691	10.377
224															
225	10376	Tillamook	NT Billing Factor	67.134	81.214	89.973	91.530	89.016	80.216	73.586	50.935	43.612	43.079	44.204	46.173
226	10376	Tillamook	Short Distance Discount	-0.087	-0.102	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094
227															
228	10097	Troy	NT Billing Factor	2.800	3.137	4.199	3.514	3.149	3.292	2.504	1.949	1.863	2.332	2.323	1.981
229															
230	10482	UIUC	NT Billing Factor	4.797	5.828	5.435	5.099	5.685	5.416	4.838	5.401	5.147	4.995	5.377	5.428
231															
232	10391	United Electric	NT Billing Factor	23.373	28.137	30.366	33.595	31.112	26.841	25.926	28.958	41.466	44.345	36.836	31.976
233															
234	10409	USN Bangor	NT Billing Factor	21.096	24.840	26.244	23.379	23.663	23.753	22.098	19.772	19.160	18.448	18.753	18.291
235															
236	10326	USN Bremerton	NT Billing Factor	31.534	27.622	37.410	36.127	34.951	37.642	36.950	29.269	32.345	34.163	24.002	24.233
237															
238	10408	USN Everett	NT Billing Factor	1.580	1.734	1.745	1.754	1.690	1.701	1.460	1.512	1.056	0.997	0.984	1.403
239															
240	10434	Vera	NT Billing Factor	36.198	43.269	47.738	46.578	42.035	39.210	32.269	28.797	36.914	44.222	41.612	38.251
241															
242	10436	Vigilante	NT Billing Factor	17.592	21.444	25.712	22.993	22.875	18.347	16.006	24.973	33.278	33.581	28.962	22.719
243															
244	10440	Wahkiakum	NT Billing Factor	3.297	4.469	4.307	6.259	4.136	3.579	3.210	2.349	1.718	1.941	2.027	3.063
245															
246	10442	Wasco	NT Billing Factor	11.391	14.591	18.498	16.569	15.062	13.090	11.218	12.784	17.286	19.057	16.584	13.222
247															
248	11680	Weiser	NT Billing Factor	7.403	8.467	9.159	9.371	9.110	7.854	6.976	7.273	8.433	10.099	10.224	8.309
249															
250	10451	Whatcom	NT Billing Factor	27.269	27.878	27.528	27.533	28.170	7.538	27.995	26.258	27.143	27.642	27.547	27.244
251															
252	10446	WREC	NT Billing Factor	98.513	106.776	111.604	116.222	114.035	105.716	92.850	78.496	103.779	98.464	105.355	99.225
253															
254	10502	Yakama	NT Billing Factor	6.317	6.409	6.322	6.301	6.162	6.117	5.693	6.021	6.962	7.705	7.657	6.774
255															
256	Total	NT Billing Factor		5,889	6,966	8,041	7,603	7,302	6,594	5,929	5,501	5,859	6,335	6,327	5,793
257	Total	Short Distance Discount		-120	-118	-118	-118	-118	-118	-120	-120	-120	-120	-120	-120

Table 14.2
NT Load Forecast at Customer Peak

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1				FY 2016											
2	Cust Id	Customer	Product	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
3															
4	10055	Albion	NT Peak Load	0.620	0.788	0.914	1.002	0.835	0.775	0.648	0.525	0.437	0.473	0.459	0.419
5	10005	Alder	NT Peak Load	0.961	1.173	1.336	1.331	1.245	1.125	0.911	0.738	0.602	0.568	0.550	0.620
6	10057	Ashland	NT Peak Load	28.204	32.744	36.646	35.690	33.680	32.013	30.395	26.164	29.726	37.514	35.855	30.128
7	10015	Asotin PUD	NT Peak Load	1.428	1.001	0.871	1.014	0.908	0.963	1.011	1.741	1.917	2.717	3.033	2.240
8	10016	Avista	NT Peak Load	80.076	88.451	98.833	84.353	79.480	73.812	72.314	91.801	100.896	92.610	89.194	76.986
9	10059	Bandon	NT Peak Load	11.802	13.669	14.776	16.508	14.856	15.121	13.567	8.691	8.090	7.959	8.114	8.388
10	10025	Benton REA	NT Peak Load	88.751	97.130	95.582	98.953	94.322	82.439	91.979	97.329	121.048	131.231	129.149	118.513
11	10027	Big Bend	NT Peak Load	73.397	47.197	52.791	52.408	47.366	43.854	80.204	113.152	130.132	132.535	123.439	107.729
12	10061	Blaine	NT Peak Load	11.478	13.048	14.353	14.110	13.379	12.508	11.453	9.959	9.602	9.638	9.726	9.752
13	10062	Bonnors Ferry	NT Peak Load	11.556	13.379	14.377	14.529	13.366	12.513	11.416	10.583	10.436	10.730	10.639	10.586
14	10064	Burley	NT Peak Load	17.016	19.590	22.189	22.434	21.048	19.440	17.443	16.409	18.264	20.363	19.640	17.147
15	10044	Canby	NT Peak Load	36.825	43.105	46.864	47.716	45.493	41.983	39.367	35.503	36.900	40.900	42.059	38.127
16	10065	Cascade Locks	NT Peak Load	4.181	4.947	5.352	5.391	4.979	4.866	4.245	3.742	3.518	3.700	3.745	3.468
17	10047	Central Lincoln	NT Peak Load	203.659	225.646	248.001	245.085	241.016	228.356	214.216	171.983	160.068	154.151	153.228	163.259
18	10066	Centralia	NT Peak Load	43.108	51.018	52.611	51.791	48.546	43.536	39.197	31.781	27.651	31.744	35.511	35.295
19	10067	Cheney	NT Peak Load	22.226	26.018	28.923	30.677	25.995	24.741	23.005	20.956	20.395	23.314	22.696	22.066
20	10068	Chewelah	NT Peak Load	3.628	4.111	4.521	4.698	4.357	3.884	3.477	2.871	2.806	3.600	3.271	2.753
21	10101	Clallam	NT Peak Load	136.226	156.326	178.070	186.177	178.604	161.371	141.931	100.455	81.740	74.210	76.463	92.061
22	10103	Clark	NT Peak Load	665.739	831.710	911.071	948.074	865.664	806.982	731.226	640.944	633.531	711.478	733.011	664.952
23	10109	Columbia Basin	NT Peak Load	15.082	13.850	16.189	16.124	15.681	16.039	18.774	19.384	20.762	21.279	19.354	18.384
24	10111	Columbia Power	NT Peak Load	3.260	4.108	5.390	4.806	4.294	3.766	3.674	4.073	3.886	5.345	4.923	3.890
25	10113	Columbia REA	NT Peak Load	45.706	32.753	32.874	30.617	28.465	39.268	54.611	65.728	97.347	104.706	95.873	79.263
26	10112	Columbia River	NT Peak Load	68.258	78.921	85.947	83.428	80.779	75.583	71.687	62.073	60.903	67.556	68.643	64.414
27	10116	Consolidated	NT Peak Load	0.419	0.281	0.344	0.290	0.286	0.261	0.315	0.517	0.722	0.850	0.646	0.382
28	10378	Coulee Dam	NT Peak Load	2.280	3.032	3.637	4.186	3.501	3.176	2.414	2.112	1.721	2.040	2.050	1.566
29	10123	Cowlitz	NT Peak Load	692.700	733.009	777.845	783.273	754.359	729.811	716.061	679.526	639.056	643.998	649.939	643.206
30	10070	Declo	NT Peak Load	0.557	0.643	0.734	0.730	0.698	0.603	0.564	0.546	0.465	0.511	0.529	0.515
31	10426	DOE-RL	NT Peak Load	24.443	33.308	37.819	38.097	34.468	32.793	29.022	23.673	23.483	26.137	26.756	22.699
32	10071	Drain	NT Peak Load	2.874	3.231	3.976	3.804	3.625	3.357	3.123	2.339	2.154	2.271	2.303	2.225
33	10142	East End	NT Peak Load	3.394	3.621	4.157	4.238	3.817	3.239	3.762	4.922	6.231	6.058	5.138	4.027
34	10144	Eatonville	NT Peak Load	5.672	7.001	8.066	8.241	7.448	6.923	5.985	4.219	3.399	3.237	3.396	3.560
35	10072	Ellensburg	NT Peak Load	32.059	36.623	37.408	40.739	36.818	34.885	31.397	28.470	30.575	36.692	32.728	32.725
36	10156	Elmhurst	NT Peak Load	49.551	61.185	70.729	73.479	65.287	57.042	43.748	36.066	31.044	32.207	33.345	33.181
37	10157	Emerald	NT Peak Load	109.914	116.163	125.829	128.104	128.232	115.794	113.588	85.644	83.539	96.139	95.243	85.435
38	10158	Energy Northwest	NT Peak Load	3.920	5.714	5.745	4.656	4.439	3.933	3.571	3.246	3.119	4.149	4.269	3.142

Table 14.2
NT Load Forecast at Customer Peak

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1				FY 2016											
2	Cust Id	Customer	Product	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
73															
74	10170	EWEB	NT Peak Load	344.339	384.072	427.609	433.694	418.033	379.109	342.441	275.658	280.609	317.910	321.193	290.234
75															
76	10172	Fairchild	NT Peak Load	7.218	7.558	7.837	8.146	7.358	6.960	7.290	8.115	8.310	8.649	8.558	7.610
77															
78	10174	Farmers	NT Peak Load	0.709	0.882	1.094	1.105	0.944	0.849	0.744	0.646	0.641	0.665	0.624	0.566
79															
80	10177	Ferry	NT Peak Load	14.501	16.409	18.506	19.591	18.124	16.376	13.839	12.697	10.505	8.739	9.646	10.415
81															
82	10179	Flathead	NT Peak Load	250.314	286.392	310.994	330.539	307.351	275.094	262.164	218.767	211.634	226.414	221.265	210.636
83															
84	10074	Forest Grove	NT Peak Load	42.309	48.610	53.888	51.994	49.859	45.598	41.798	33.559	35.160	39.811	40.150	38.284
85															
86	10186	Glacier	NT Peak Load	26.699	30.439	33.364	34.561	31.906	30.129	27.291	24.667	24.289	24.487	23.889	24.914
87															
88	10190	Grant	NT Peak Load	7.205	11.475	12.780	12.964	10.640	8.735	8.056	6.195	6.037	6.767	6.847	5.583
89															
90	10197	Harney	NT Peak Load	21.057	15.677	18.032	15.572	14.671	15.660	30.595	50.976	48.167	65.375	60.526	55.182
91															
92	10597	Hermiston	NT Peak Load	15.382	18.398	20.462	20.357	18.171	15.070	14.211	17.330	20.184	23.128	22.654	18.903
93															
94	10076	Heyburn	NT Peak Load	7.192	8.154	9.526	9.906	8.881	8.074	7.494	6.877	7.077	7.643	7.257	6.645
95															
96	10202	Hood River	NT Peak Load	21.895	23.118	24.737	24.848	23.230	21.454	20.360	17.013	12.981	14.384	17.755	19.208
97															
98	10203	Idaho County	NT Peak Load	9.423	11.383	13.449	13.175	11.664	10.877	9.441	8.659	7.203	8.298	8.182	7.510
99															
100	10204	Idaho Falls Power	NT Peak Load	103.457	125.255	144.799	144.330	141.336	123.538	107.440	95.039	104.659	109.822	108.303	95.343
101															
102	10209	Inland	NT Peak Load	144.975	180.016	203.468	221.153	190.989	178.697	160.000	142.080	124.532	148.034	145.069	129.303
103															
104	12026	Jefferson	NT Peak Load	71.369	82.917	91.417	93.662	89.871	78.863	66.485	50.236	45.894	40.797	41.507	46.487
105															
106	10230	Kittitas	NT Peak Load	16.747	20.357	23.344	22.998	21.614	20.085	17.293	14.451	13.060	15.870	16.116	13.283
107															
108	10234	Kootenai	NT Peak Load	67.140	87.102	97.631	93.123	79.833	76.204	67.279	61.024	65.284	73.921	74.123	62.617
109															
110	10235	Lakeview	NT Peak Load	42.296	51.206	54.343	56.327	52.083	47.571	43.481	33.780	34.821	37.253	36.653	34.210
111															
112	10237	Lewis	NT Peak Load	171.918	196.920	222.899	225.401	210.791	204.801	185.665	140.792	126.816	143.778	129.528	128.785
113															
114	10242	Lost River	NT Peak Load	8.313	9.052	9.384	8.674	8.522	7.536	6.580	18.331	22.383	25.067	22.360	15.958
115															
116	10244	Lower Valley	NT Peak Load	113.856	148.830	187.781	178.409	182.332	148.098	121.534	107.700	101.192	87.522	87.478	101.380
117															
118	10246	Mason 1	NT Peak Load	11.431	15.498	16.738	17.827	15.975	14.911	12.146	10.195	7.030	6.954	6.510	7.481
119															
120	10247	Mason 3	NT Peak Load	115.129	128.839	147.267	147.562	141.607	133.739	123.803	104.940	83.560	84.672	84.166	86.628
121															
122	10078	McCleary	NT Peak Load	6.285	6.916	7.578	7.445	7.333	6.973	6.477	5.024	4.603	4.476	4.501	4.679
123															
124	10079	McMinnville	NT Peak Load	138.578	151.543	165.502	163.000	162.814	150.782	147.412	131.816	129.439	141.011	140.664	135.324
125															
126	10256	Midstate	NT Peak Load	65.753	72.730	109.837	92.850	85.081	65.300	66.964	65.327	56.749	57.988	54.118	52.297
127															
128	10080	Milton	NT Peak Load	10.440	12.039	13.962	13.243	12.285	11.472	9.978	7.911	7.734	8.347	8.427	8.215
129															
130	10081	Milton-Freewater	NT Peak Load	16.975	21.451	25.982	25.408	22.365	19.619	18.687	16.158	16.271	18.635	17.697	16.249
131															
132	10082	Minidoka	NT Peak Load	0.174	0.212	0.231	0.235	0.219	0.195	0.176	0.154	0.120	0.117	0.119	0.126
133															
134	10258	Mission Valley	NT Peak Load	66.124	76.435	85.703	90.064	87.632	77.574	66.292	61.128	50.657	55.697	56.504	53.970
135															
136	10259	Missoula	NT Peak Load	35.386	41.546	49.035	48.306	43.088	40.128	36.638	34.607	34.268	38.959	38.109	33.708
137															
138	10260	Modern	NT Peak Load	27.889	38.052	41.015	43.448	39.061	37.428	32.456	30.528	33.445	38.243	38.788	33.598
139															
140	10083	Monmouth	NT Peak Load	11.852	14.549	15.741	16.103	15.342	13.859	12.892	9.462	9.466	10.997	11.064	10.273
141															
142	10273	Nespelem	NT Peak Load	9.617	10.282	11.399	11.183	9.906	9.028	13.566	13.062	13.631	15.090	15.045	13.740

Table 14.2
NT Load Forecast at Customer Peak

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1				FY 2016											
2	Cust Id	Customer	Product	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
143															
144	10406	NETL	NT Peak Load	0.844	1.059	1.251	1.235	1.156	1.092	0.915	0.730	0.590	0.512	0.555	0.591
145															
146	10279	Northern Wasco	NT Peak Load	84.787	91.875	98.457	105.619	97.172	100.072	97.542	97.149	98.158	113.453	107.561	98.155
147															
148	10284	Ohop	NT Peak Load	17.098	20.460	23.685	23.494	22.433	20.380	18.286	11.258	9.264	10.254	10.212	10.207
149															
150	10288	OPALCO	NT Peak Load	36.118	44.747	54.978	52.785	48.618	44.289	40.442	31.871	24.120	25.704	24.697	25.857
151															
152	10291	Oregon Trail	NT Peak Load	99.593	109.925	120.617	118.211	110.808	108.218	105.967	103.155	102.010	109.040	104.439	90.470
153															
154	10300	PAC	NT Peak Load	298.873	323.459	358.833	353.704	343.255	324.836	333.234	271.673	234.360	264.412	240.122	237.497
155															
156	10294	Pacific	NT Peak Load	54.476	67.269	75.440	76.467	71.157	68.978	59.340	49.023	38.246	35.080	34.949	39.783
157															
158	10304	Parkland	NT Peak Load	20.176	23.791	27.040	27.579	25.010	21.105	17.524	15.022	13.444	13.629	13.881	14.740
159															
160	10307	Peninsula	NT Peak Load	106.972	126.904	148.116	150.340	137.194	124.120	104.983	83.270	74.319	77.493	77.819	79.116
161															
162	10086	Plummer	NT Peak Load	6.328	6.850	7.537	7.666	7.241	6.887	6.308	5.302	4.894	4.624	4.599	4.933
163															
164		PNGC													
165	10298	Blachly-Lane	NT Peak Load	29.790	32.234	34.963	34.929	33.492	32.745	31.135	26.592	25.595	25.325	24.923	25.181
166	10298	CEC	NT Peak Load	114.706	167.645	198.859	172.354	164.605	132.071	129.430	117.401	106.790	110.435	106.771	109.031
167	10298	Clearwater	NT Peak Load	33.512	40.693	45.503	43.727	42.012	37.085	34.116	30.687	26.534	27.244	27.388	28.182
168	10298	Consumers	NT Peak Load	45.160	50.109	57.921	62.626	56.579	53.315	50.002	40.623	32.459	42.174	43.121	36.268
169	10298	Coos-Curry	NT Peak Load	57.032	70.247	78.640	78.542	75.981	73.029	71.170	47.300	43.740	45.961	46.722	49.789
170	10298	Douglas Elec	NT Peak Load	28.183	33.957	37.814	36.640	36.681	33.071	32.333	25.486	22.858	22.884	23.872	21.134
171	10298	Fall River	NT Peak Load	40.319	49.052	61.138	58.708	57.966	49.080	41.851	39.633	58.305	68.952	57.161	39.648
172	10298	Lane Electric	NT Peak Load	54.863	63.719	71.105	73.846	72.660	62.676	58.255	38.148	34.084	36.248	35.745	34.315
173	10298	Lincoln	NT Peak Load	20.319	23.698	26.995	28.290	25.496	23.302	19.664	16.832	13.984	12.830	12.759	15.203
174	10298	Northern Lights	NT Peak Load	45.209	65.051	70.783	68.940	59.954	53.453	43.971	39.987	37.739	37.544	37.196	40.796
175	10298	Okanogan Coop	NT Peak Load	9.103	13.451	17.299	16.744	13.199	10.955	8.729	8.326	6.448	7.245	7.154	6.783
176	10298	Raft River	NT Peak Load	31.200	22.022	25.399	25.454	24.495	23.567	44.084	74.556	79.247	82.238	73.607	61.530
177	10298	Umatilla	NT Peak Load	229.801	222.272	235.043	227.707	228.069	212.267	238.562	249.640	303.346	307.299	310.461	283.643
178	10298	West Oregon	NT Peak Load	12.399	14.588	16.010	15.540	15.241	14.403	13.187	11.522	9.413	9.142	9.102	9.455
179															
180	10706	Port	NT Peak Load	18.011	17.891	18.283	18.172	17.804	17.955	17.787	18.445	19.728	21.063	21.035	19.796
181															
182	10087	Port Angeles	NT Peak Load	84.377	97.090	99.532	103.208	105.474	88.167	76.336	70.342	66.389	60.685	60.626	61.860
183															
184	10312	Port Townsend Paper	NT Peak Load	14.123	17.502	17.838	19.073	19.026	14.932	17.680	17.873	19.235	16.194	17.085	18.966
185															
186	10333	Ravalli County	NT Peak Load	21.329	25.341	29.687	29.809	27.242	24.243	21.455	21.312	20.474	22.744	22.785	19.221
187															
188	10089	Richland	NT Peak Load	132.912	168.873	191.242	189.769	176.212	155.591	137.898	137.016	155.231	192.633	197.946	162.142
189															
190	10338	Riverside Electric	NT Peak Load	3.000	3.679	4.124	4.094	4.030	3.450	3.349	3.887	5.030	4.669	4.185	3.573
191															
192	10091	Rupert	NT Peak Load	13.136	15.522	17.687	17.920	17.323	15.617	13.905	11.973	11.016	11.973	11.519	10.496
193															
194	10342	Salem	NT Peak Load	50.394	60.439	69.845	66.154	62.182	55.973	51.991	45.660	48.653	59.492	60.743	53.715
195															
196	10343	Salmon River	NT Peak Load	35.132	37.691	39.601	42.788	41.062	36.249	36.662	39.025	37.685	35.644	34.790	36.239
197															
198	10352	Skamania	NT Peak Load	23.479	26.743	31.012	32.544	29.749	27.705	25.031	21.065	17.676	18.185	18.015	18.362
199															
200	10094	Soda Springs	NT Peak Load	4.085	4.689	5.165	5.011	4.801	4.414	4.161	3.806	3.653	3.893	3.871	3.611
201															
202	10360	South Side	NT Peak Load	6.406	6.829	7.915	7.947	7.370	6.502	7.993	11.290	16.993	16.780	14.050	10.891
203															
204	10379	Steilacoom	NT Peak Load	7.539	9.397	10.098	10.376	9.911	8.127	6.962	6.188	5.241	5.341	5.353	5.626
205															
206	10363	SUB	NT Peak Load	128.603	149.689	166.645	163.889	161.230	142.394	133.000	101.403	102.732	114.467	115.569	106.909
207															
208	10095	Sumas	NT Peak Load	5.422	5.627	5.819	5.789	5.723	5.577	5.424	5.211	5.306	5.309	5.199	5.254
209															
210	10369	Surprise Valley	NT Peak Load	16.509	16.398	21.431	20.358	18.347	18.873	19.610	33.736	29.326	37.773	36.914	27.703
211															
212	10371	Tanner	NT Peak Load	15.365	17.957	20.300	19.399	17.753	16.944	14.232	12.788	12.819	13.112	13.224	13.642

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1				FY 2016											
2	Cust Id	Customer	Product	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
213															
214	10376	Tillamook	NT Peak Load	84.316	97.390	103.469	91.935	87.507	89.534	84.111	65.498	56.458	55.489	55.522	63.379
215															
216	10097	Troy	NT Peak Load	3.328	3.841	4.589	4.621	4.114	4.046	3.586	2.761	2.415	2.525	2.475	2.737
217															
218	10482	UIUC	NT Peak Load	6.137	6.297	6.515	6.353	6.222	6.148	6.038	6.128	6.086	6.306	6.370	6.217
219															
220	10391	United Electric	NT Peak Load	30.057	33.597	36.409	39.416	37.651	33.403	32.921	35.896	48.820	48.657	41.285	36.433
221															
222	10409	USN Bangor	NT Peak Load	24.502	27.192	28.386	27.391	26.813	26.334	25.368	22.940	21.733	21.572	21.446	21.894
223															
224	10326	USN Bremerton	NT Peak Load	34.097	38.277	48.597	44.277	39.810	45.383	45.253	40.767	41.330	38.470	30.185	29.970
225															
226	10408	USN Everett	NT Peak Load	1.654	1.776	1.821	1.843	1.817	1.823	1.759	1.663	1.522	1.470	1.479	1.568
227															
228	10434	Vera	NT Peak Load	39.551	45.525	50.681	51.106	43.873	42.507	37.214	35.578	39.298	47.407	45.631	41.098
229															
230	10436	Vigilante	NT Peak Load	20.969	23.871	27.693	27.421	25.181	22.218	20.244	32.825	35.139	40.206	36.704	26.532
231															
232	10440	Wahkiakum	NT Peak Load	4.230	7.244	6.844	10.044	5.405	4.713	4.462	2.846	2.456	2.211	2.651	2.998
233															
234	10442	Wasco	NT Peak Load	14.534	18.520	22.682	21.602	19.053	17.981	17.373	17.308	18.177	21.665	19.304	14.257
235															
236	11680	Weiser	NT Peak Load	8.183	9.512	10.314	10.612	9.913	8.827	8.133	8.168	9.226	10.808	10.642	9.019
237															
238	10451	Whatcom	NT Peak Load	29.241	29.449	29.370	29.528	29.569	28.899	29.035	28.573	29.087	28.995	28.667	28.758
239															
240	10446	WREC	NT Peak Load	107.283	112.129	116.494	116.397	113.418	111.136	107.599	106.086	110.193	113.476	112.753	108.986
241															
242	10502	Yakama	NT Peak Load	7.730	8.033	8.023	8.128	7.963	7.666	7.222	7.627	8.104	8.465	8.683	8.083
243															
244			NT Peak Load	6,997	7,988	8,874	8,892	8,402	7,761	7,364	6,654	6,572	7,036	6,932	6,525

Table 14.2
NT Load Forecast at Customer Peak

	A	B	C	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1				FY 2017											
2	Cust Id	Customer	Product	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
3															
4	10055	Albion	NT Peak Load	0.623	0.791	0.917	1.004	0.838	0.778	0.650	0.527	0.439	0.475	0.461	0.422
5	10005	Alder	NT Peak Load	0.970	1.183	1.346	1.341	1.254	1.135	0.919	0.747	0.611	0.576	0.559	0.628
6	10057	Ashland	NT Peak Load	28.349	32.887	36.740	35.830	33.818	32.150	30.531	26.298	29.859	37.646	35.985	30.206
7	10015	Asotin PUD	NT Peak Load	1.438	1.009	0.877	1.022	0.947	0.971	1.018	1.753	1.931	2.737	3.055	2.256
8	10016	Avista	NT Peak Load	79.994	88.362	98.749	84.270	79.399	73.732	72.232	91.683	100.783	92.493	89.073	76.857
9	10059	Bandon	NT Peak Load	11.831	13.702	14.813	16.548	14.893	15.157	13.601	8.712	8.109	7.980	8.134	8.409
10	10025	Benton REA	NT Peak Load	90.201	98.789	97.180	100.150	95.468	83.450	93.066	98.465	122.457	132.762	130.644	119.862
11	10027	Big Bend	NT Peak Load	73.896	47.595	53.188	52.808	47.766	44.253	80.701	113.653	130.630	132.930	123.837	108.126
12	10061	Blaine	NT Peak Load	11.535	13.114	14.425	14.182	13.447	12.571	11.511	10.010	9.651	9.686	9.776	9.801
13	10062	Bonnors Ferry	NT Peak Load	11.565	13.389	14.377	14.537	13.376	12.522	11.425	10.592	10.445	10.738	10.648	10.595
14	10064	Burley	NT Peak Load	17.036	19.608	22.207	22.452	21.066	19.458	17.461	16.429	18.282	20.382	19.658	17.165
15	10044	Canby	NT Peak Load	36.987	43.261	47.000	47.852	45.637	42.141	39.526	35.661	37.055	41.052	42.211	38.279
16	10065	Cascade Locks	NT Peak Load	4.181	4.947	5.352	5.391	4.979	4.866	4.245	3.742	3.518	3.700	3.745	3.468
17	10047	Central Lincoln	NT Peak Load	204.164	226.207	248.616	245.696	241.616	228.924	214.747	172.408	160.466	154.533	153.609	163.666
18	10066	Centralia	NT Peak Load	43.108	51.018	53.249	52.427	49.181	44.173	39.832	32.418	28.288	32.380	36.147	35.295
19	10067	Cheney	NT Peak Load	22.785	26.674	29.655	31.138	27.328	25.111	23.350	21.270	20.701	23.663	23.036	22.398
20	10068	Chewelah	NT Peak Load	3.637	4.121	4.532	4.709	4.367	3.893	3.486	2.878	2.813	3.609	3.280	2.760
21	10101	Clallam	NT Peak Load	137.355	157.488	179.222	187.338	179.742	162.499	143.059	101.696	82.866	75.338	77.591	93.187
22	10103	Clark	NT Peak Load	667.394	833.772	913.329	950.424	867.808	808.981	733.035	642.533	635.101	713.241	734.827	666.597
23	10109	Columbia Basin	NT Peak Load	15.164	13.929	16.279	16.214	15.767	16.124	18.864	19.480	20.861	21.383	19.448	18.474
24	10111	Columbia Power	NT Peak Load	3.272	4.123	5.410	4.824	4.310	3.779	3.686	4.090	3.902	5.367	4.944	3.905
25	10113	Columbia REA	NT Peak Load	46.267	33.229	33.340	31.032	28.853	39.798	55.231	66.356	98.143	105.531	96.668	80.015
26	10112	Columbia River	NT Peak Load	68.602	79.315	86.378	83.845	81.184	75.963	72.047	62.384	61.211	67.897	68.990	64.739
27	10116	Consolidated	NT Peak Load	0.422	0.283	0.346	0.292	0.298	0.263	0.318	0.521	0.728	0.856	0.651	0.385
28	10378	Coulee Dam	NT Peak Load	2.303	3.063	3.674	4.227	3.663	3.207	2.438	2.133	1.738	2.060	2.070	1.582
29	10123	Cowlitz	NT Peak Load	699.764	740.315	785.401	784.886	755.922	731.334	717.573	680.969	640.419	645.394	662.509	658.542
30	10070	Declo	NT Peak Load	0.557	0.643	0.734	0.730	0.698	0.603	0.564	0.546	0.465	0.511	0.529	0.515
31	10426	DOE-RL	NT Peak Load	25.060	34.148	40.493	42.766	38.692	36.838	32.608	26.604	26.387	29.369	30.068	25.504
32	10071	Drain	NT Peak Load	2.881	3.239	3.986	3.813	3.634	3.365	3.131	2.345	2.160	2.276	2.308	2.230
33	10142	East End	NT Peak Load	3.410	3.638	4.177	4.259	3.835	3.254	3.780	4.946	6.261	6.087	5.162	4.046
34	10144	Eatonville	NT Peak Load	5.686	7.018	8.086	8.262	7.466	6.940	6.000	4.229	3.407	3.245	3.405	3.569
35	10072	Ellensburg	NT Peak Load	32.136	36.712	37.499	40.840	36.911	34.939	31.473	28.537	30.648	36.780	32.771	32.804
36	10156	Elmhurst	NT Peak Load	50.042	61.675	71.238	73.993	65.789	57.509	44.140	36.558	31.535	32.699	33.836	33.672
37	10157	Emerald	NT Peak Load	110.540	116.824	126.540	128.828	128.953	116.454	114.235	86.154	84.035	96.699	95.798	85.942
38	10158	Energy Northwest	NT Peak Load	3.460	5.020	4.903	5.512	5.111	4.474	4.086	3.688	3.567	4.642	4.683	3.585

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1				FY 2017											
2	Cust Id	Customer	Product	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
73															
74	10170	EWEB	NT Peak Load	346.328	386.257	430.015	436.158	420.398	381.272	344.425	277.297	282.239	319.735	323.033	291.923
75															
76	10172	Fairchild	NT Peak Load	7.254	7.596	7.875	8.187	7.658	6.994	7.326	8.155	8.351	8.693	8.602	7.647
77															
78	10174	Farmers	NT Peak Load	0.710	0.882	1.095	1.105	0.944	0.850	0.745	0.646	0.642	0.666	0.625	0.566
79															
80	10177	Ferry	NT Peak Load	13.036	14.548	16.651	19.691	18.867	16.460	13.909	12.761	10.558	8.783	9.694	10.468
81															
82	10179	Flathead	NT Peak Load	253.548	290.167	315.132	334.992	321.092	278.729	265.538	222.059	214.644	229.400	224.186	213.432
83															
84	10074	Forest Grove	NT Peak Load	42.631	48.980	54.298	52.389	50.239	45.944	42.118	33.815	35.430	40.116	40.456	38.576
85															
86	10186	Glacier	NT Peak Load	26.832	30.592	33.531	34.734	33.210	30.279	27.428	24.790	24.411	24.610	24.008	25.039
87															
88	10190	Grant	NT Peak Load	7.270	11.541	12.845	13.029	10.704	8.800	8.120	6.259	6.101	6.832	6.912	5.648
89															
90	10197	Harney	NT Peak Load	21.062	15.683	18.038	15.579	14.678	15.667	30.602	50.997	48.192	65.410	60.558	55.202
91															
92	10597	Hermiston	NT Peak Load	15.398	18.414	20.476	20.371	18.894	15.084	14.225	17.347	20.202	23.146	22.671	18.920
93															
94	10076	Heyburn	NT Peak Load	7.264	8.235	9.621	10.005	8.970	8.154	7.569	6.945	7.148	7.720	7.329	6.711
95															
96	10202	Hood River	NT Peak Load	22.114	23.350	24.984	25.097	23.462	21.668	20.563	17.183	13.111	14.528	17.933	19.399
97															
98	10203	Idaho County	NT Peak Load	9.499	11.477	13.558	13.282	12.178	10.964	9.517	8.728	7.260	8.365	8.249	7.571
99															
100	10204	Idaho Falls Power	NT Peak Load	103.947	125.745	145.289	144.820	141.825	124.028	107.930	95.529	105.149	110.310	108.792	95.833
101															
102	10209	Inland	NT Peak Load	146.655	182.182	205.891	223.790	200.175	180.861	161.879	143.724	125.973	149.724	146.717	130.773
103															
104	12026	Jefferson	NT Peak Load	72.304	87.572	96.062	98.314	93.250	82.257	69.812	54.852	49.307	44.208	45.344	49.893
105															
106	10230	Kittitas	NT Peak Load	16.828	20.505	23.515	23.167	21.771	20.181	17.419	14.554	13.153	15.944	16.191	13.379
107															
108	10234	Kootenai	NT Peak Load	67.507	87.451	98.031	93.477	81.063	76.572	67.638	61.371	65.672	74.296	74.527	62.979
109															
110	10235	Lakeview	NT Peak Load	42.507	51.461	54.614	56.609	52.344	47.808	43.699	33.949	34.995	37.439	36.836	34.381
111															
112	10237	Lewis	NT Peak Load	172.369	197.472	223.480	225.951	211.342	205.286	186.159	141.130	127.233	144.141	129.847	129.097
113															
114	10242	Lost River	NT Peak Load	8.368	9.107	9.439	8.674	8.522	7.536	6.580	18.506	22.557	25.241	22.534	16.133
115															
116	10244	Lower Valley	NT Peak Load	115.375	150.345	189.290	179.915	183.833	149.595	123.026	109.189	102.675	89.002	88.952	102.851
117															
118	10246	Mason 1	NT Peak Load	10.862	14.990	16.285	17.425	15.619	14.601	11.881	9.975	6.851	6.827	6.431	7.454
119															
120	10247	Mason 3	NT Peak Load	118.861	132.342	150.563	150.606	144.388	136.250	126.039	106.877	85.203	86.066	85.308	87.512
121															
122	10078	McCleary	NT Peak Load	6.283	6.913	7.575	7.442	7.330	6.970	6.474	5.021	4.600	4.473	4.499	4.676
123															
124	10079	McMinnville	NT Peak Load	139.255	152.214	166.173	163.670	163.435	151.472	148.071	132.469	130.084	141.675	141.310	135.965
125															
126	10256	Midstate	NT Peak Load	65.971	72.985	110.219	93.200	85.399	65.544	67.221	65.604	56.993	58.241	54.354	52.503
127															
128	10080	Milton	NT Peak Load	10.493	12.099	14.032	13.309	12.346	11.530	10.029	7.951	7.773	8.389	8.470	8.256
129															
130	10081	Milton-Freewater	NT Peak Load	16.991	21.470	26.005	25.431	22.385	19.636	18.704	16.173	16.286	18.652	17.712	16.264
131															
132	10082	Minidoka	NT Peak Load	0.174	0.212	0.231	0.235	0.219	0.195	0.176	0.154	0.120	0.117	0.119	0.126
133															
134	10258	Mission Valley	NT Peak Load	66.677	77.076	86.425	90.822	88.369	78.226	66.848	61.635	51.081	56.163	56.975	54.420
135															
136	10259	Missoula	NT Peak Load	35.751	41.970	49.537	48.812	45.094	40.548	37.023	34.965	34.612	39.348	38.491	34.054
137															
138	10260	Modern	NT Peak Load	28.057	38.278	41.259	43.707	39.293	37.651	32.648	30.711	33.645	38.471	39.020	33.800
139															
140	10083	Monmouth	NT Peak Load	11.912	14.621	15.819	16.183	15.420	13.928	12.956	9.510	9.512	11.052	11.119	10.324
141															
142	10273	Nespelem	NT Peak Load	11.686	10.346	11.465	11.247	9.971	9.094	13.632	13.128	13.697	15.156	15.111	13.806

Table 14.2
NT Load Forecast at Customer Peak

	A	B	C	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1				FY 2017											
2	Cust Id	Customer	Product	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
143															
144	10406	NETL	NT Peak Load	0.844	1.059	1.251	1.235	1.156	1.092	0.915	0.730	0.590	0.512	0.555	0.591
145															
146	10279	Northern Wasco	NT Peak Load	95.215	99.865	106.146	112.064	107.680	111.734	110.245	103.005	101.363	118.538	119.002	109.154
147															
148	10284	Ohop	NT Peak Load	17.140	20.510	23.744	23.552	22.489	20.431	18.332	11.285	9.286	10.279	10.238	10.232
149															
150	10288	OPALCO	NT Peak Load	36.118	44.746	54.978	52.785	48.619	44.289	40.441	31.873	24.120	25.704	24.697	25.857
151															
152	10291	Oregon Trail	NT Peak Load	100.762	111.197	122.003	119.543	112.059	109.465	107.198	104.365	103.230	110.339	105.662	91.536
153															
154	10300	PAC	NT Peak Load	298.874	323.460	358.835	353.706	343.256	324.839	333.241	271.672	234.357	264.411	240.121	237.498
155															
156	10294	Pacific	NT Peak Load	54.606	67.431	75.622	76.651	71.330	69.144	59.482	49.141	38.336	35.163	35.030	39.878
157															
158	10304	Parkland	NT Peak Load	20.308	23.923	27.175	27.713	25.140	21.224	17.640	15.140	13.572	13.757	14.009	14.868
159															
160	10307	Peninsula	NT Peak Load	108.321	128.251	149.524	151.745	138.528	125.448	106.243	84.578	75.625	78.793	79.116	80.411
161															
162	10086	Plummer	NT Peak Load	6.344	6.867	7.556	7.621	7.195	6.840	6.259	5.251	4.842	4.572	4.546	4.881
163		PNGC													
164															
165	10298	Blachly-Lane	NT Peak Load	29.790	32.234	34.963	34.929	33.492	32.745	31.135	26.592	25.595	25.325	24.923	25.181
166	10298	CEC	NT Peak Load	115.132	168.072	199.286	172.781	165.032	132.498	129.856	117.829	107.215	110.864	107.197	109.459
167	10298	Clearwater	NT Peak Load	33.586	40.840	45.649	43.800	42.158	37.155	34.188	30.759	26.606	27.318	27.461	28.254
168	10298	Consumers	NT Peak Load	45.367	50.332	58.180	62.904	56.836	53.558	50.227	40.808	32.606	42.356	43.315	36.432
169	10298	Coos-Curry	NT Peak Load	57.032	70.247	78.640	78.542	75.981	73.029	71.170	47.300	43.740	45.961	46.722	49.789
170	10298	Douglas Elec	NT Peak Load	28.252	34.040	37.908	36.731	36.771	33.153	32.413	25.548	22.914	22.942	23.931	21.186
171	10298	Fall River	NT Peak Load	40.697	49.430	61.516	59.085	58.342	49.457	42.229	40.011	58.683	69.331	57.538	40.025
172	10298	Lane Electric	NT Peak Load	54.918	63.777	71.158	73.898	72.706	62.738	58.292	38.195	34.134	36.284	35.777	34.362
173	10298	Lincoln	NT Peak Load	20.319	23.698	26.995	28.290	25.496	23.302	19.664	16.832	13.984	12.830	12.759	15.203
174	10298	Northern Lights	NT Peak Load	45.561	65.410	71.140	69.291	60.312	53.806	44.325	40.343	38.095	37.896	37.554	41.150
175	10298	Okanogan Coop	NT Peak Load	9.102	13.451	17.298	16.743	13.198	10.956	8.728	8.325	6.448	7.245	7.154	6.783
176	10298	Raft River	NT Peak Load	31.406	22.229	25.604	25.660	24.547	23.772	44.290	74.761	79.453	82.443	73.812	61.734
177	10298	Umatilla	NT Peak Load	237.478	227.553	236.420	229.082	229.444	213.642	239.938	251.015	304.721	308.676	311.836	285.018
178	10298	West Oregon	NT Peak Load	12.399	14.588	16.010	15.540	15.241	14.403	13.187	11.522	9.413	9.142	9.102	9.455
179															
180	10706	Port	NT Peak Load	17.870	17.749	18.146	17.840	17.472	17.623	17.455	18.113	19.396	20.731	20.702	19.464
181															
182	10087	Port Angeles	NT Peak Load	84.593	97.342	99.776	103.465	105.733	88.394	76.564	70.556	66.592	60.874	60.814	61.962
183															
184	10312	Port Townsend Paper	NT Peak Load	14.123	17.502	17.838	19.073	19.026	14.932	17.680	17.873	19.235	16.194	17.085	18.966
185															
186	10333	Ravalli County	NT Peak Load	21.512	25.558	29.941	30.065	28.455	24.451	21.639	21.494	20.650	22.940	22.982	19.386
187															
188	10089	Richland	NT Peak Load	137.807	174.659	197.031	191.996	178.289	157.428	139.530	138.644	157.070	194.894	200.261	164.062
189															
190	10338	Riverside Electric	NT Peak Load	3.000	3.679	4.124	4.094	4.030	3.450	3.349	3.887	5.030	4.669	4.185	3.573
191															
192	10091	Rupert	NT Peak Load	13.167	15.525	17.661	17.857	17.222	15.410	13.944	12.007	11.046	12.007	11.551	10.526
193															
194	10342	Salem	NT Peak Load	50.517	60.588	70.017	66.355	62.334	56.110	52.118	45.772	48.772	59.638	60.892	53.847
195															
196	10343	Salmon River	NT Peak Load	35.077	37.643	39.554	42.749	42.168	36.203	36.613	38.977	37.633	35.603	34.751	36.205
197															
198	10352	Skamania	NT Peak Load	23.569	26.807	31.089	32.626	29.822	27.773	25.092	21.117	17.719	18.229	18.060	18.406
199															
200	10094	Soda Springs	NT Peak Load	4.063	4.666	5.143	4.989	4.779	4.391	4.138	3.783	3.630	3.871	3.848	3.588
201															
202	10360	South Side	NT Peak Load	6.425	6.850	7.939	7.971	7.392	6.522	8.018	11.323	17.043	16.830	14.093	10.924
203															
204	10379	Steilacoom	NT Peak Load	7.583	9.440	10.142	10.420	9.954	8.170	7.001	6.232	5.284	5.384	5.396	5.669
205															
206	10363	SUB	NT Peak Load	128.948	150.087	167.083	164.321	161.654	142.772	133.356	101.679	103.012	114.776	115.881	107.199
207															
208	10095	Sumas	NT Peak Load	5.450	5.655	5.847	5.818	5.752	5.605	5.452	5.240	5.335	5.337	5.227	5.283
209															
210	10369	Surprise Valley	NT Peak Load	16.571	16.462	21.514	20.439	18.421	18.953	19.688	33.861	29.435	37.910	37.047	27.800
211															
212	10371	Tanner	NT Peak Load	15.544	18.270	20.479	19.709	18.062	17.152	14.397	12.957	12.997	13.417	13.529	13.821

Table 14.2
NT Load Forecast at Customer Peak

	A	B	C	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1				FY 2017											
2	Cust Id	Customer	Product	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
213															
214	10376	Tillamook	NT Peak Load	84.882	98.037	104.124	92.497	88.036	90.104	84.664	65.939	56.857	55.841	55.907	63.832
215															
216	10097	Troy	NT Peak Load	3.386	3.899	4.646	4.678	4.171	4.103	3.643	2.818	2.471	2.582	2.531	2.793
217															
218	10482	UIUC	NT Peak Load	6.137	6.297	6.515	6.353	6.222	6.148	6.037	6.128	6.086	6.306	6.370	6.217
219															
220	10391	United Electric	NT Peak Load	30.807	34.345	37.158	40.166	38.401	34.152	33.670	36.645	49.265	49.103	42.035	37.183
221															
222	10409	USN Bangor	NT Peak Load	24.513	27.203	28.398	27.402	26.825	26.345	25.379	22.951	21.745	21.584	21.458	21.906
223															
224	10326	USN Bremerton	NT Peak Load	34.097	38.277	48.597	44.277	39.810	45.383	45.253	40.767	41.330	38.470	30.185	29.970
225															
226	10408	USN Everett	NT Peak Load	1.654	1.776	1.821	1.843	1.817	1.823	1.759	1.663	1.522	1.470	1.479	1.568
227															
228	10434	Vera	NT Peak Load	39.918	45.948	51.154	51.578	45.859	42.900	37.555	35.906	39.664	47.852	46.059	41.481
229															
230	10436	Vigilante	NT Peak Load	21.203	24.140	28.005	27.723	26.368	22.465	20.466	33.185	35.517	40.644	37.104	26.824
231															
232	10440	Wahkiakum	NT Peak Load	4.230	7.244	6.844	10.044	5.405	4.713	4.462	2.846	2.456	2.211	2.651	2.998
233															
234	10442	Wasco	NT Peak Load	14.637	18.648	22.833	21.751	19.184	18.106	17.499	17.441	18.322	21.842	19.456	14.369
235															
236	11680	Weiser	NT Peak Load	8.224	9.553	10.355	10.653	9.954	8.868	8.174	8.210	9.267	10.849	10.683	9.060
237															
238	10451	Whatcom	NT Peak Load	29.305	29.513	29.434	29.591	29.632	7.853	29.270	28.635	29.149	29.057	28.729	28.820
239															
240	10446	WREC	NT Peak Load	110.524	115.418	119.538	119.457	116.479	114.007	109.985	108.614	112.550	115.364	114.704	110.774
241															
242	10502	Yakama	NT Peak Load	7.731	8.033	8.024	8.129	7.964	7.667	7.222	7.627	8.104	8.465	8.684	8.083
243															
244			NT Peak Load	7,065	8,056	8,942	8,955	8,492	7,801	7,423	6,705	6,618	7,085	6,999	6,591

Table 15
Utility Delivery Forecast
(Annual Average of Monthly Peak MegaWatts)

Customer	Cust ID	Delivery Point	FY 2016											
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Ashland	10057	Mountain Avenue 12.5 kV	8.337	8.217	11.906	8.639	10.170	8.332	6.253	7.508	9.907	12.053	10.900	10.524
Bandon	10059	Bandon 12.5 kV - BNDN	5.310	6.580	6.673	8.696	7.736	7.191	4.992	3.554	3.868	3.715	3.648	3.904
Bandon	10059	Langlois 12.5 kV - BNDN	0.398	0.541	0.655	0.588	0.648	0.574	0.546	0.414	0.288	0.337	0.541	0.430
Bandon	10059	Two Mile 12.5 kV	2.814	3.292	3.543	4.109	3.906	3.880	3.892	2.720	1.979	2.206	2.361	1.945
Big Bend	10027	Eagle Lake 13.8 kV	4.550	4.511	4.809	4.868	4.307	2.939	6.329	8.243	11.066	12.731	10.778	8.256
Big Bend	10027	Glade 13.8 kV - BBEC	3.791	3.557	4.278	3.839	3.346	2.917	5.283	7.107	8.575	9.645	8.551	6.385
Big Bend	10027	Ringold 13.8-BBEC	2.028	1.743	1.821	1.842	1.717	1.339	3.210	3.842	5.160	5.778	5.242	3.574
Big Bend	10027	Scoteney 13.8-BBEC	1.680	1.413	1.634	1.583	1.049	1.089	1.974	2.744	3.960	4.532	4.053	2.797
Bonnors Ferry	10062	Bonnors Ferry 13.8-BNRF	2.863	3.486	3.887	2.932	2.619	2.698	1.699	1.588	1.754	2.419	1.725	1.854
Bonnors Ferry	10062	North Bench 13.8-BNRF	2.784	3.672	4.149	4.164	3.728	3.662	3.398	3.061	2.847	3.142	3.648	3.092
Cascade Locks	10065	Acton 13.8 kV	0.423	0.495	0.569	0.561	0.503	0.465	0.448	0.393	0.438	0.467	0.463	0.416
Cascade Locks	10065	Cascade Locks 13.8 kV	2.273	2.909	3.097	3.048	2.879	2.695	2.282	1.796	1.783	1.808	1.916	1.827
Central Lincoln	10047	Mapleton 12.5 kV	2.173	2.249	2.882	2.568	2.819	2.294	2.149	1.502	1.204	1.240	1.287	1.305
Columbia REA	10113	Burbank 12.5 kV	1.777	1.392	2.888	2.315	2.702	1.831	1.670	1.616	2.469	2.559	3.289	2.754
Columbia REA	10113	Stateline 12.5 kV	1.781	1.445	0.488	0.692	0.852	1.047	1.629	1.781	1.453	1.676	1.814	1.234
Coulee Dam	10378	Coulee Dam 12 kV-COUL	1.638	2.362	3.321	3.410	2.730	2.528	0.859	1.434	1.601	1.824	1.773	1.227
Drain	10071	Drain 12.5-Drain	2.279	2.625	2.768	3.049	3.097	2.723	2.237	1.949	1.721	1.950	2.152	2.013
Eatonville	10144	Lynch Creek 12.5-EATV	4.128	5.063	6.988	5.626	6.359	6.147	4.237	3.123	2.817	2.745	2.949	2.972
Franklin County	10183	Ringold 13.8-FCPD	2.273	1.584	2.113	1.769	1.688	1.330	3.934	4.108	5.631	6.827	6.514	4.965
Grant	10190	Grand Coulee 12 kV	3.362	5.195	5.204	6.206	4.992	3.413	3.670	2.374	2.426	3.201	3.223	2.559
Hood River	10202	Hood River 12.5 kV	0.279	0.558	0.248	0.759	0.634	0.537	0.461	0.337	0.127	0.172	0.217	0.194
Hood River	10202	Parkdale 12.5-HOOD	5.201	6.267	7.923	5.880	6.010	7.147	3.815	4.520	3.273	3.842	4.719	4.785
Lower Valley	10244	Swan Valley 12.5 kV	1.445	1.898	2.601	2.402	2.124	1.795	1.417	1.205	1.596	1.882	1.574	1.118
Mason 3	10247	Potlatch 12.5 kV	2.534	3.167	4.105	3.926	3.574	3.545	2.645	2.141	1.566	1.660	1.717	1.392
Milton	10080	Surprise Lake 12.5 kV	8.856	10.914	12.829	11.723	10.916	10.384	8.961	6.492	6.656	7.069	7.365	6.992
Minidoka	10082	Minidoka 2.4 kV	0.133	0.168	0.192	0.197	0.179	0.142	0.117	0.093	0.085	0.086	0.084	0.075
Monmouth	10083	Monmouth 12.5 kV - MONM	5.525	6.488	6.830	7.187	7.048	6.013	5.329	4.265	4.323	5.153	5.182	4.725
NETL	10406	Albany 12.5 kV-DOE	0.555	0.816	0.924	0.961	0.961	0.826	0.655	0.501	0.400	0.470	0.460	0.432
Ohop	10284	Lynch Creek 12.5-OHOP	0.722	0.995	1.192	1.020	1.061	0.969	0.723	0.411	0.351	0.521	0.519	0.336
PAC	10300	Albany PAC NT DP	6.293	6.158	8.753	6.496	6.649	6.201	5.782	4.890	5.421	6.650	7.648	6.656
PAC	10300	Bandon PAC NT DP	2.304	1.984	2.422	1.711	2.083	1.795	1.228	1.283	1.089	1.041	1.138	1.759
PNGC														
Blachly-Lane	10298	Alderwood 12.5 kV	3.874	4.973	6.420	5.638	5.423	4.616	4.358	3.087	2.708	3.079	3.328	2.938
Blachly-Lane	10298	Waton 12.5 kV	0.706	1.003	0.908	0.914	0.973	0.879	0.669	0.556	0.565	0.392	0.638	0.516
Consumers	10298	Burnt Woods 24.9 kV	1.507	1.871	2.054	1.928	1.933	1.877	1.391	1.287	1.121	1.121	1.177	0.874
Consumers	10298	Harrisburg 12.5 kV	2.917	3.149	3.534	3.562	3.484	3.130	3.676	2.163	1.687	3.280	4.224	3.267
Consumers	10298	Monmouth 12.5 kV - CP	1.656	1.808	1.915	2.110	1.867	1.856	1.875	1.196	0.812	1.400	1.483	0.952
Consumers	10298	North Butte 12.5 kV	1.085	1.397	1.593	1.425	1.454	1.320	1.127	0.877	0.993	0.758	0.954	1.151
Consumers	10298	Tumble Creek 24.9 kV	1.111	1.482	1.908	1.675	1.497	1.338	1.170	0.956	0.845	1.178	1.094	0.875
Coos-Curry	10298	Bandon 12.5 kV - CCEC	0.365	0.089	0.093	0.068	-0.215	-0.147	0.239	-0.129	-0.164	-0.046	-0.117	-0.730
Coos-Curry	10298	Langlois 12.5 kV - CCEC	1.953	1.885	1.777	1.666	1.627	1.899	1.317	1.149	1.194	1.226	1.103	1.153
Coos-Curry	10298	Port Orford 12.5 kV	3.883	4.458	4.733	4.895	4.226	4.216	3.656	2.910	2.796	2.752	3.409	3.466
Douglas Elec	10298	Drain 12.5-DEC	1.856	2.266	2.341	2.741	2.605	2.631	2.618	1.931	1.733	2.047	2.241	1.720
Douglas Elec	10298	Gardiner 13.8 kV-DEC	0.436	0.480	0.598	0.537	0.548	0.540	0.468	0.445	0.326	0.322	0.318	0.344
Douglas Elec	10298	Reedsport 12.5-DEC	0.540	0.656	0.857	0.814	0.766	0.665	0.614	0.597	0.347	0.399	0.330	0.372
Northern Lights	10298	Bonnors Ferry 13.8-NORT	2.388	3.102	3.794	3.122	2.500	2.545	2.147	1.734	1.715	1.829	1.747	2.041
Northern Lights	10298	Laclede 13.8 kV	3.947	5.209	5.180	4.560	4.154	4.815	3.183	4.986	3.975	4.469	4.630	4.192
Northern Lights	10298	North Bench 13.8-NORT	2.665	3.837	4.136	3.536	3.178	2.996	2.419	2.200	1.791	1.936	2.444	1.673
Northern Lights	10298	Sandpoint 13.8 kV	2.074	3.135	3.419	2.774	2.201	2.398	1.734	1.490	1.589	1.759	1.901	1.975
Northern Lights	10298	Selle 13.8 kV	4.105	6.672	8.746	6.744	5.324	5.519	3.762	3.077	2.497	2.925	2.967	3.150
Northern Lights	10298	Yaak 12.5 kV	0.837	1.143	1.237	1.078	0.950	0.893	0.762	0.623	0.656	0.716	0.703	0.682
Okanogan Coop	10298	Winthrop 12.47 kV	6.385	9.303	11.861	12.043	9.312	7.247	5.777	5.077	4.642	5.359	5.415	4.428
Raft River	10298	Grouse Creek 13.8 kV	0.223	0.302	0.451	0.467	0.425	0.344	0.353	0.799	0.817	0.819	0.933	0.545
West Oregon	10298	Necanicum 12.5 kV	0.438	0.463	0.423	0.518	0.500	0.505	0.438	0.289	0.194	0.189	0.176	0.198
Steilacoom	10379	Steilacoom 12.5 kV	6.594	8.841	9.542	8.907	8.681	7.378	5.594	4.823	3.834	4.311	4.472	4.372
Surprise Valley	10369	Davis Creek 12.5 kV	0.425	0.301	0.444	0.332	0.319	0.189	0.185	0.738	1.185	1.628	1.664	1.364
Tacoma Power	10370	Ketron Island	0.064	0.076	0.084	0.094	0.077	0.074	0.070	0.035	0.021	0.027	0.024	0.023
Troy	10097	Troy 13.8-Troy	2.752	3.090	4.147	3.471	3.106	3.246	2.465	1.909	1.821	2.281	2.272	1.941
Total Utility Delivery			145	173	204	188	176	161	144	132	136	156	157	136
Total PTP Delivery (Franklin)			2	2	2	2	2	1	4	4	6	7	7	5
Total NT Delivery			143	171	202	187	174	160	140	128	130	149	150	131

Table 15
Utility Delivery Forecast
(Annual Average of Monthly Peak MegaWatts)

1	FY 2017			FY 2017												
	A	B	C	P	Q	R	S	T	U	V	W	X	Y	Z	AA	
2	Customer	Cust ID	Delivery Point	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
3																
4	Ashland	10057	Mountain Avenue 12.5 kV	8.465	8.347	12.032	8.753	10.294	8.444	6.355	7.634	10.039	12.177	11.026	10.646	
5																
6	Bandon	10059	Bandon 12.5 kV - BNDN	5.324	6.598	6.691	8.719	7.756	7.210	5.006	3.563	3.878	3.725	3.658	3.915	
7	Bandon	10059	Langlois 12.5 kV - BNDN	0.398	0.541	0.655	0.588	0.648	0.574	0.546	0.414	0.288	0.337	0.541	0.430	
8	Bandon	10059	Two Mile 12.5 kV	2.821	3.300	3.552	4.119	3.916	3.891	3.902	2.727	1.985	2.212	2.368	1.951	
9																
10	Big Bend	10027	Eagle Lake 13.8 kV	4.611	4.586	4.884	4.943	4.382	2.985	6.399	8.320	11.154	12.815	10.856	8.330	
11	Big Bend	10027	Glade 13.8 kV - BBEC	3.794	3.559	4.278	3.839	3.348	2.920	5.290	7.114	8.582	9.647	8.553	6.386	
12	Big Bend	10027	Ringold 13.8-BBEC	2.030	1.744	1.822	1.842	1.717	1.340	3.215	3.847	5.165	5.779	5.243	3.574	
13	Big Bend	10027	Scotene 13.8-BBEC	1.682	1.414	1.634	1.583	1.049	1.090	1.976	2.748	3.964	4.533	4.054	2.797	
14																
15	Bonniers Ferry	10062	Bonniers Ferry 13.8-BNRF	2.867	3.490	3.892	2.935	2.621	2.701	1.701	1.593	1.756	2.425	1.731	1.856	
16	Bonniers Ferry	10062	North Bench 13.8-BNRF	2.788	3.676	4.151	4.168	3.732	3.666	3.402	3.062	2.852	3.143	3.650	3.096	
17																
18	Cascade Locks	10065	Acton 13.8 kV	0.423	0.495	0.569	0.561	0.503	0.465	0.448	0.393	0.438	0.467	0.463	0.416	
19	Cascade Locks	10065	Cascade Locks 13.8 kV	2.273	2.909	3.097	3.048	2.879	2.695	2.282	1.796	1.783	1.808	1.916	1.827	
20																
21	Central Lincoln	10047	Mapleton 12.5 kV	2.166	2.246	2.879	2.565	2.807	2.291	2.147	1.500	1.199	1.238	1.285	1.303	
22																
23	Columbia REA	10113	Burbank 12.5 kV	1.792	1.400	2.908	2.330	2.720	1.844	1.681	1.629	2.485	2.575	3.311	2.774	
24	Columbia REA	10113	Stateline 12.5 kV	1.800	1.457	0.493	0.698	0.860	1.057	1.645	1.799	1.466	1.691	1.831	1.246	
25																
26	Coulee Dam	10378	Coulee Dam 12 kV-COUL	1.655	2.386	3.355	3.444	2.856	2.553	0.868	1.448	1.617	1.842	1.791	1.239	
27																
28	Drain	10071	Drain 12.5-Drain	2.285	2.632	2.775	3.056	3.105	2.730	2.242	1.954	1.726	1.955	2.158	2.018	
29																
30	Eatonville	10144	Lynch Creek 12.5-EATV	4.138	5.076	7.005	5.640	6.374	6.162	4.248	3.131	2.824	2.752	2.957	2.979	
31																
32	Franklin County	10183	Ringold 13.8-FCPD	2.290	1.596	2.129	1.769	1.688	1.330	3.934	4.108	5.631	6.828	6.514	4.965	
33																
34	Grant	10190	Grand Coulee 12 kV	3.389	5.224	5.230	6.237	5.021	3.435	3.697	2.397	2.451	3.231	3.252	2.587	
35																
36	Hood River	10202	Hood River 12.5 kV	0.279	0.558	0.248	0.759	0.634	0.537	0.461	0.337	0.127	0.172	0.217	0.194	
37	Hood River	10202	Parkdale 12.5-HOOD	5.255	6.330	8.006	5.940	6.071	7.216	3.852	4.555	3.296	3.879	4.776	4.842	
38																
39	Lower Valley	10244	Swan Valley 12.5 kV	1.451	1.905	2.609	2.409	2.130	1.801	1.423	1.210	1.603	1.889	1.580	1.123	
40																
41	Mason 3	10247	Potlatch 12.5 kV	2.541	3.175	4.116	3.936	3.583	3.554	2.652	2.146	1.570	1.664	1.721	1.395	
42																
43	Milton	10080	Surprise Lake 12.5 kV	8.900	10.969	12.893	11.782	10.970	10.436	9.005	6.525	6.690	7.105	7.402	7.028	
44																
45	Minidoka	10082	Minidoka 2.4 kV	0.133	0.168	0.192	0.197	0.179	0.142	0.117	0.093	0.085	0.086	0.084	0.075	
46																
47	Monmouth	10083	Monmouth 12.5 kV - MONM	5.553	6.520	6.864	7.223	7.083	6.043	5.356	4.286	4.345	5.179	5.208	4.748	
48																
49	NETL	10406	Albany 12.5 kV-DOE	0.555	0.816	0.924	0.961	0.961	0.826	0.655	0.501	0.400	0.470	0.460	0.432	
50																
51	Ohop	10284	Lynch Creek 12.5-OHOP	0.724	0.998	1.196	1.025	1.064	0.972	0.725	0.412	0.352	0.523	0.520	0.337	
52																
53	PAC	10300	Albany PAC NT DP	6.319	6.181	8.797	6.533	6.684	6.231	5.812	4.917	5.447	6.680	7.690	6.665	
54	PAC	10300	Bandon PAC NT DP	2.360	2.031	2.476	1.756	2.135	1.840	1.261	1.321	1.123	1.073	1.175	1.806	
55																
56																
57	Blachly-Lane	10298	Alderwood 12.5 kV	3.874	4.973	6.420	5.638	5.423	4.616	4.358	3.087	2.708	3.079	3.328	2.938	
58	Blachly-Lane	10298	Waton 12.5 kV	0.706	1.003	0.908	0.914	0.973	0.879	0.669	0.556	0.565	0.392	0.638	0.516	
59	Consumers	10298	Burnt Woods 24.9 kV	1.511	1.875	2.059	1.933	1.938	1.882	1.394	1.290	1.124	1.123	1.180	0.876	
60	Consumers	10298	Harrisburg 12.5 kV	2.927	3.160	3.546	3.574	3.496	3.141	3.689	2.170	1.693	3.291	4.241	3.278	
61	Consumers	10298	Monmouth 12.5 kV - CP	1.661	1.815	1.921	2.117	1.873	1.862	1.881	1.200	0.815	1.405	1.488	0.956	
62	Consumers	10298	North Butte 12.5 kV	1.087	1.401	1.597	1.429	1.458	1.323	1.130	0.879	0.995	0.760	0.956	1.154	
63	Consumers	10298	Tumble Creek 24.9 kV	1.113	1.486	1.913	1.679	1.501	1.341	1.173	0.959	0.847	1.181	1.097	0.877	
64	Coos-Curry	10298	Bandon 12.5 kV - CCEC	0.365	0.089	0.093	0.068	-0.215	-0.147	0.239	-0.129	-0.164	-0.046	-0.117	-0.730	
65	Coos-Curry	10298	Langlois 12.5 kV - CCEC	1.953	1.885	1.777	1.666	1.627	1.899	1.317	1.149	1.194	1.226	1.103	1.153	
66	Coos-Curry	10298	Port Orford 12.5 kV	3.883	4.458	4.733	4.895	4.226	4.216	3.656	2.910	2.796	2.752	3.409	3.466	
67	Douglas Elec	10298	Drain 12.5-DEC	1.861	2.272	2.347	2.748	2.612	2.638	2.625	1.936	1.737	2.053	2.247	1.725	
68	Douglas Elec	10298	Gardiner 13.8 kV-DEC	0.436	0.480	0.598	0.537	0.548	0.540	0.468	0.445	0.326	0.322	0.318	0.344	
69	Douglas Elec	10298	Reedsport 12.5-DEC	0.540	0.656	0.857	0.814	0.766	0.665	0.614	0.597	0.347	0.399	0.330	0.372	
70	Northern Lights	10298	Bonniers Ferry 13.8-NORT	2.388	3.094	3.793	3.119	2.499	2.544	2.147	1.735	1.716	1.829	1.747	2.042	
71	Northern Lights	10298	Laclede 13.8 kV	3.942	5.189	5.174	4.552	4.149	4.810	3.180	4.983	3.972	4.463	4.626	4.189	
72	Northern Lights	10298	North Bench 13.8-NORT	2.661	3.834	4.131	3.530	3.174	2.992	2.416	2.198	1.789	1.933	2.442	1.671	
73	Northern Lights	10298	Sandpoint 13.8 kV	2.119	3.187	3.470	2.820	2.239	2.442	1.775	1.527	1.631	1.802	1.942	2.015	
74	Northern Lights	10298	Selle 13.8 kV	4.100	6.661	8.735	6.732	5.317	5.513	3.758	3.075	2.495	2.920	2.964	3.146	
75	Northern Lights	10298	Yaak 12.5 kV	0.852	1.158	1.253	1.092	0.963	0.908	0.776	0.636	0.669	0.730	0.718	0.695	
76	Okanogan Coop	10298	Winthrop 12.47 kV	6.387	9.306	11.864	12.046	9.314	7.251	5.780	5.080	4.647	5.364	5.420	4.432	
77	Raft River	10298	Grouse Creek 13.8 kV	0.223	0.302	0.451	0.467	0.425	0.344	0.353	0.799	0.817	0.819	0.933	0.545	
78	West Oregon	10298	Necanicum 12.5 kV	0.438	0.463	0.423	0.518	0.500	0.505	0.438	0.289	0.194	0.189	0.176	0.198	
79																
80	Steilacoom	10379	Steilacoom 12.5 kV	6.632	8.882	9.584	8.945	8.719	7.418	5.625	4.857	3.866	4.346	4.508	4.406	
81																
82	Surprise Valley	10369	Davis Creek 12.5 kV	0.425	0.301	0.444	0.332	0.319	0.189	0.185	0.738	1.185	1.628	1.664	1.364	
83																
84	Tacoma Power	10370	Ketron Island	0.064	0.076	0.084	0.094	0.077	0.074	0.070	0.035	0.021	0.027	0.024	0.023	
85																
86	Troy	10097	Troy 13.8-Troy	2.800	3.137	4.199	3.514	3.149	3.292	2.504	1.949	1.863	2.332	2.323	1.981	
87																
88	Total Utility Delivery			146	173	205	189	177	162	145	132	136	156	158	137	
89	Total PTP Delivery (Franklin)			2	2	2	2	2	1	4	4	6	7	7	5	
90	Total NT Delivery			144	172	203	187	175	161	141	128	131	149	151	132	

Table 16.1
Transmission Credit Projects, Credits, and Interest at Current Rates, FY 2015-FY2017

#	(A) Request	(B) (C) (D)			(E) (F) (G)		
		Forecasted Transmission Credit			Forecasted Interest		
		FY 2015	FY 2016	FY 2017	FY 2015	FY 2016	FY 2017
2	GI Request 1	\$ 728	\$ 270	\$ -	\$ 24	\$ 1	\$ -
3	GI Request 2	\$ 1,668	\$ 1,668	\$ 882	\$ 105	\$ 75	\$ 12
4	GI Request 3	\$ 6,034	\$ 6,034	\$ 6,034	\$ 2,709	\$ 2,592	\$ 2,466
5	GI Request 4	\$ 887	\$ 887	\$ 887	\$ 216	\$ 190	\$ 163
6	GI Request 5	\$ 984	\$ 984	\$ 984	\$ 180	\$ 219	\$ 249
7	GI Request 6	\$ 444	\$ 155	\$ -	\$ 12	\$ 1	\$ -
8	GI Request 7	\$ 1,100	\$ 1,100	\$ 1,100	\$ 109	\$ 108	\$ 83
9	GI Request 8	\$ 12,057	\$ 13,471	\$ 305	\$ 709	\$ 236	\$ -
10	GI Request 9	\$ 665	\$ 665	\$ 665	\$ 499	\$ 493	\$ 487
11	GI Request 10	\$ 646	\$ 646	\$ 646	\$ 54	\$ 48	\$ 27
12	GI Request 11	\$ 646	\$ 646	\$ 646	\$ 54	\$ 48	\$ 27
13	GI Request 12	\$ 50	\$ 50	\$ 50	\$ 4	\$ 4	\$ 2
14	GI Request 13	\$ 1,143	\$ 1,143	\$ 1,143	\$ 95	\$ 86	\$ 47
15	GI Request 14	\$ 625	\$ -	\$ -	\$ 6	\$ -	\$ -
16	GI Request 15	\$ -	\$ -	\$ 208	\$ -	\$ 3	\$ 5
17	GI Request 16	\$ -	\$ 3,578	\$ 4,771	\$ 918	\$ 901	\$ 765
18	GI Request 17	\$ -	\$ -	\$ -	\$ -	\$ 111	\$ 243
19	GI Request 18	\$ -	\$ -	\$ -	\$ 7	\$ 11	\$ 11
20	GI Request 19	\$ -	\$ -	\$ 104	\$ 7	\$ 71	\$ 144
21	GI Request 20	\$ -	\$ -	\$ -	\$ -	\$ 74	\$ 101
22	GI Request 21	\$ -	\$ -	\$ -	\$ -	\$ 16	\$ 175
23	GI Request 22	\$ -	\$ -	\$ -	\$ -	\$ 146	\$ 444
24	GI Request 23	\$ -	\$ -	\$ -	\$ -	\$ 122	\$ 323
25	COI Request 1	\$ 1,354	\$ 1,354	\$ 1,354	\$ 164	\$ 104	\$ 39
26	COI Request 2	\$ 1,354	\$ 1,354	\$ 1,354	\$ 164	\$ 104	\$ 39
27	COI Request 3	\$ 528	\$ 528	\$ 528	\$ 69	\$ 46	\$ 21
28	COI Request 4	\$ 1,354	\$ 1,354	\$ 1,354	\$ 178	\$ 119	\$ 55
29	COI Request 5	\$ 1,002	\$ 1,002	\$ 1,002	\$ 131	\$ 88	\$ 41
30	COI Request 6	\$ 41	\$ 41	\$ 41	\$ 5	\$ 4	\$ 2
31	COI Request 7	\$ 677	\$ 677	\$ 677	\$ 89	\$ 60	\$ 28
32	COI Request 8	\$ 677	\$ 677	\$ 677	\$ 89	\$ 60	\$ 28
33	COI Request 9	\$ 203	\$ 203	\$ 203	\$ 27	\$ 18	\$ 8
34	COI Request 10	\$ 162	\$ 162	\$ 162	\$ 21	\$ 14	\$ 7
35	Total Network	\$ 27,677	\$ 31,297	\$ 18,425	\$ 5,707	\$ 5,557	\$ 5,774
36	Total COI	\$ 7,350	\$ 7,350	\$ 7,350	\$ 939	\$ 619	\$ 268
37	Total	\$ 35,027	\$ 38,647	\$ 25,776	\$ 6,646	\$ 6,176	\$ 6,042

Table 16.2
Transmission Credit Projects, Credits, and Interest at Proposed Rates, FY 2015-FY2017

#	(A) Request	(B)			(C)			(D)			(E)			(F)			(G)		
		Forecasted Transmission Credit						Forecasted Interest											
		FY 2015	FY 2016	FY 2017	FY 2015	FY 2016	FY 2017												
2	GI Request 1	\$ 728	\$ 270	\$ -	\$ 24	\$ 1	\$ -												
3	GI Request 2	\$ 1,668	\$ 1,680	\$ 870	\$ 105	\$ 75	\$ 12												
4	GI Request 3	\$ 6,034	\$ 6,075	\$ 6,075	\$ 2,709	\$ 2,592	\$ 2,466												
5	GI Request 4	\$ 887	\$ 893	\$ 893	\$ 216	\$ 190	\$ 163												
6	GI Request 5	\$ 984	\$ 990	\$ 990	\$ 180	\$ 219	\$ 249												
7	GI Request 6	\$ 444	\$ 155	\$ -	\$ 12	\$ 1	\$ -												
8	GI Request 7	\$ 1,100	\$ 1,108	\$ 1,108	\$ 109	\$ 108	\$ 83												
9	GI Request 8	\$ 12,057	\$ 13,562	\$ 212	\$ 709	\$ 236	\$ -												
10	GI Request 9	\$ 665	\$ 670	\$ 670	\$ 499	\$ 493	\$ 487												
11	GI Request 10	\$ 646	\$ 650	\$ 650	\$ 54	\$ 48	\$ 27												
12	GI Request 11	\$ 646	\$ 650	\$ 650	\$ 54	\$ 48	\$ 27												
13	GI Request 12	\$ 50	\$ 50	\$ 50	\$ 4	\$ 4	\$ 2												
14	GI Request 13	\$ 1,143	\$ 1,151	\$ 1,151	\$ 95	\$ 86	\$ 47												
15	GI Request 14	\$ 625	\$ -	\$ -	\$ 6	\$ -	\$ -												
16	GI Request 15	\$ -	\$ -	\$ 208	\$ -	\$ 3	\$ 5												
17	GI Request 16	\$ -	\$ 3,578	\$ 4,771	\$ 918	\$ 901	\$ 765												
18	GI Request 17	\$ -	\$ -	\$ -	\$ -	\$ 111	\$ 243												
19	GI Request 18	\$ -	\$ -	\$ -	\$ 7	\$ 11	\$ 11												
20	GI Request 19	\$ -	\$ -	\$ 104	\$ 7	\$ 71	\$ 144												
21	GI Request 20	\$ -	\$ -	\$ -	\$ -	\$ 74	\$ 101												
22	GI Request 21	\$ -	\$ -	\$ -	\$ -	\$ 16	\$ 175												
23	GI Request 22	\$ -	\$ -	\$ -	\$ -	\$ 146	\$ 444												
24	GI Request 23	\$ -	\$ -	\$ -	\$ -	\$ 122	\$ 323												
25	COI Request 1	\$ 1,354	\$ 1,476	\$ 1,476	\$ 164	\$ 104	\$ 39												
26	COI Request 2	\$ 1,354	\$ 1,476	\$ 1,476	\$ 164	\$ 104	\$ 39												
27	COI Request 3	\$ 528	\$ 576	\$ 576	\$ 69	\$ 46	\$ 21												
28	COI Request 4	\$ 1,354	\$ 1,476	\$ 1,476	\$ 178	\$ 119	\$ 55												
29	COI Request 5	\$ 1,002	\$ 1,092	\$ 1,092	\$ 131	\$ 88	\$ 41												
30	COI Request 6	\$ 41	\$ 44	\$ 44	\$ 5	\$ 4	\$ 2												
31	COI Request 7	\$ 677	\$ 738	\$ 738	\$ 89	\$ 60	\$ 28												
32	COI Request 8	\$ 677	\$ 738	\$ 738	\$ 89	\$ 60	\$ 28												
33	COI Request 9	\$ 203	\$ 221	\$ 221	\$ 27	\$ 18	\$ 8												
34	COI Request 10	\$ 162	\$ 177	\$ 177	\$ 21	\$ 14	\$ 7												
35	Total Network	\$ 27,677	\$ 31,482	\$ 18,403	\$ 5,707	\$ 5,557	\$ 5,774												
36	Total COI	\$ 7,350	\$ 8,015	\$ 8,015	\$ 939	\$ 619	\$ 268												
37	Total	\$ 35,027	\$ 39,497	\$ 26,417	\$ 6,646	\$ 6,176	\$ 6,042												

Table 17
Calculation of Modified TOCA for Re-Allocation of the Portion of Oversupply Costs Allocated to Federal Generation

A	B	C		D		E		F		G		H	
		Preference Customer TOCAs		Preference Customer TOCAs		Loads in aMW for Tier 1 (Public)		Loads in aMW for Tier 1 (Public)		Ratio of Individual Customer Load to Total Load		Ratio of Individual Customer Load to Total Load	
		FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017
70	10209	Inland P & L	0.0152783	0.0152783	106.690	106.690	106.690	106.690	0.0153744	0.0152920			
71	10230	Kittitas County PUD #1	0.0013759	0.0013759	9.608	9.608	9.608	9.608	0.0013846	0.0013771			
72	10231	Klickitat County PUD #1	0.0051984	0.0051984	36.301	36.301	36.301	36.301	0.0052311	0.0052031			
73	10234	Kootenai Electric Coop	0.0072320	0.0072320	50.502	50.502	50.502	50.502	0.0072775	0.0072385			
74	10235	Lakeview L & P (WA)	0.0045457	0.0045685	31.743	31.902	31.743	31.902	0.0045743	0.0045726			
75	10236	Lane County Elec Coop	0.0039229	0.0039245	27.394	27.405	27.394	27.405	0.0039476	0.0039280			
76	10237	Lewis County PUD #1	0.0155287	0.0155562	108.438	108.630	108.438	108.630	0.0156264	0.0155702			
77	10239	Lincoln Elec Coop (MT)	0.0019660	0.0019643	13.729	13.717	13.729	13.717	0.0019784	0.0019661			
78	10242	Lost River Elec Coop	0.0013508	0.0013508	9.433	9.433	9.433	9.433	0.0013593	0.0013520			
79	10244	Lower Valley Energy	0.0122006	0.0122006	85.198	85.198	85.198	85.198	0.0122773	0.0122116			
80	10246	Mason County PUD #1	0.0012744	0.0012744	8.899	8.899	8.899	8.899	0.0012824	0.0012755			
81	10247	Mason County PUD #3	0.0113344	0.0113344	79.149	79.149	79.149	79.149	0.0114057	0.0113446			
82	10256	Midstate Elec Coop	0.0065060	0.0065354	45.432	45.637	45.432	45.637	0.0065469	0.0065413			
83	10258	Mission Valley	0.0052894	0.0053634	36.936	37.453	36.936	37.453	0.0053227	0.0053682			
84	10259	Missoula Elec Coop	0.0038086	0.0038267	26.596	26.722	26.596	26.722	0.0038326	0.0038301			
85	10260	Modern Elec Coop	0.0036743	0.0037062	25.658	25.881	25.658	25.881	0.0036974	0.0037095			
86	10273	Nespelem Valley Elec Coop	0.0008340	0.0008340	5.824	5.824	5.824	5.824	0.0008392	0.0008347			
87	10278	Northern Lights	0.0050947	0.0050947	35.577	35.577	35.577	35.577	0.0051267	0.0050993			
88	10279	Northern Wasco County PUD	0.0091841	0.0091841	64.133	64.133	64.133	64.133	0.0092419	0.0091924			
89	10284	Ohop Mutual Light Company	0.0013990	0.0014071	9.769	9.826	9.769	9.826	0.0014078	0.0014084			
90	10285	Okanogan County Elec Coop	0.0009245	0.0009258	6.456	6.465	6.456	6.465	0.0009303	0.0009266			
91	10286	Okanogan County PUD #1	0.0065104	0.0065104	45.463	45.463	45.463	45.463	0.0065514	0.0065162			
92	10288	Orcas P & L	0.0035075	0.0035075	24.493	24.493	24.493	24.493	0.0035296	0.0035107			
93	10291	Oregon Trail Coop	0.0111363	0.0112284	77.766	78.409	77.766	78.409	0.0112063	0.0112385			
94	10294	Pacific County PUD #2	0.0051514	0.0051514	35.973	35.973	35.973	35.973	0.0051838	0.0051560			
95	10304	Parkland L & W	0.0019864	0.0019950	13.871	13.931	13.871	13.931	0.0019989	0.0019968			
96	10306	Pend Oreille County PUD #1	0.0007952	0.0036533	5.553	25.511	5.553	25.511	0.0008002	0.0036566			
97	10307	Peninsula Light Company	0.0102080	0.0102080	71.283	71.283	71.283	71.283	0.0102722	0.0102172			
98	10326	U.S. Naval Base, Bremerton	0.0041036	0.0041035	28.656	28.655	28.656	28.655	0.0041294	0.0041072			
99	10331	Raft River Elec Coop	0.0049902	0.0050293	34.847	35.120	34.847	35.120	0.0050216	0.0050338			
100	10333	Ravalli County Elec Coop	0.0026255	0.0026255	18.334	18.334	18.334	18.334	0.0026420	0.0026279			
101	10338	Riverside Elec Coop	0.0003364	0.0003364	2.349	2.349	2.349	2.349	0.0003385	0.0003367			
102	10342	Salem Elec Coop	0.0053410	0.0053557	37.297	37.399	37.297	37.399	0.0053746	0.0053605			
103	10343	Salmon River Elec Coop	0.0017517	0.0017508	12.232	12.226	12.232	12.226	0.0017627	0.0017524			
104	10349	Seattle City Light	0.0742937	0.0742937	518.799	518.799	518.799	518.799	0.0747610	0.0743604			
105	10352	Skamania County PUD #1	0.0022023	0.0022139	15.379	15.460	15.379	15.460	0.0022162	0.0022159			
106	10354	Snohomish County PUD #1	0.1096407	0.1109414	765.630	774.713	765.630	774.713	0.1103304	0.1110411			
107	10360	Southside Elec Lines	0.0009593	0.0009593	6.699	6.699	6.699	6.699	0.0009653	0.0009602			
108	10363	Springfield Utility Board	0.0130671	0.0130936	91.249	91.434	91.249	91.434	0.0131493	0.0131054			
109	10369	Surprise Valley Elec Coop	0.0023160	0.0023302	16.173	16.272	16.173	16.272	0.0023306	0.0023323			
110	10370	Tacoma Public Utilities	0.0570613	0.0570613	398.464	398.464	398.464	398.464	0.0574202	0.0571126			
111	10371	Tanner Elec Coop	0.0015645	0.0015645	10.925	10.925	10.925	10.925	0.0015743	0.0015659			
112	10376	Tillamook PUD #1	0.0078521	0.0078746	54.832	54.989	54.832	54.989	0.0079015	0.0078817			
113	10378	Coulee Dam, City of	0.0002865	0.0002865	2.001	2.001	2.001	2.001	0.0002883	0.0002868			
114	10379	Steilacoom, Town of	0.0006818	0.0006818	4.761	4.761	4.761	4.761	0.0006861	0.0006824			
115	10388	Umatilla Elec Coop	0.0160557	0.0160557	112.118	112.118	112.118	112.118	0.0161567	0.0160701			
116	10391	United Electric Coop	0.0042508	0.0042508	29.684	29.684	29.684	29.684	0.0042775	0.0042546			
117	10406	U.S. DOE Albany Research Center	0.0000650	0.0000650	0.454	0.454	0.454	0.454	0.0000654	0.0000651			
118	10408	U.S. Naval Station, Everett (Jim Creek)	0.0002121	0.0002119	1.481	1.480	1.481	1.480	0.0002134	0.0002121			
119	10409	U.S. Naval Submarine Base, Bangor	0.0028959	0.0028959	20.222	20.222	20.222	20.222	0.0029141	0.0028985			
120	10426	U.S. DOE Richland Operations Office	0.0036962	0.0037282	25.811	26.034	25.811	26.034	0.0037194	0.0037315			
121	10434	Vera Irrigation District	0.0038510	0.0038510	26.892	26.892	26.892	26.892	0.0038752	0.0038545			
122	10436	Vigilante Elec Coop	0.0027158	0.0027158	18.965	18.965	18.965	18.965	0.0027329	0.0027182			
123	10440	Wahkiakum County PUD #1	0.0007097	0.0007097	4.956	4.956	4.956	4.956	0.0007142	0.0007103			
124	10442	Wasco Elec Coop	0.0018104	0.0018301	12.642	12.780	12.642	12.780	0.0018218	0.0018317			
125	10446	Wells Rural Elec Coop	0.0135810	0.0135810	94.837	94.837	94.837	94.837	0.0136664	0.0135932			
126	10448	West Oregon Elec Coop	0.0011857	0.0011856	8.280	8.279	8.280	8.279	0.0011932	0.0011867			
127	10451	Whatcom County PUD #1	0.0037220	0.0037330	25.991	26.068	25.991	26.068	0.0037454	0.0037364			
128	10482	Umpqua Indian Utility Cooperative	0.0004066	0.0004090	2.839	2.856	2.839	2.856	0.0004092	0.0004094			
129	10502	Yakama Power	0.0016497	0.0016497	11.520	11.520	11.520	11.520	0.0016601	0.0016512			
130	10597	Hermiston, City of	0.0017898	0.0017895	12.498	12.496	12.498	12.496	0.0018011	0.0017911			
131	10706	Port of Seattle - SETAC In'tl. Airport	0.0023647	0.0024502	16.513	17.110	16.513	17.110	0.0023796	0.0024524			
132	11680	Weiser, City of	0.0008975	0.0008975	6.267	6.267	6.267	6.267	0.0009031	0.0008983			
133	12026	Jefferson County PUD #1	0.0060440	0.0061009	42.206	42.603	42.206	42.603	0.0060820	0.0061064			
134		RT1SC	6983.085	6983.085	6848.435	6885.818	6848.435	6885.818					
135													
136	10007	Alcoa			75.000	75.000	75.000	75.000	0.0108078	0.0107499			
137	10312	Port Townsend Paper			16.000	16.000	16.000	16.000	0.0023057	0.0022933			
138					6939.435	6976.818	6939.435	6976.818	1.0000000	1.0000000			
139													
140	10298	PNGC Aggregate							0.0714533	0.0711460			

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