

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

DOCKET NO. UE-17_____

DIRECT TESTIMONY OF

JEFF A. SCHLECT

REPRESENTING AVISTA CORPORATION

1 **I. INTRODUCTION**

2 **Q. Please state your name, employer and business address.**

3 A. My name is Jeff A. Schlect. I am employed by Avista Corporation as Senior
4 Manager, FERC Policy and Transmission Services. My business address is 1411 East
5 Mission, Spokane, Washington.

6 **Q. Please briefly describe your educational background and professional
7 experience.**

8 A. I am a 1988 graduate of Washington State University with a degree in
9 Electrical Engineering. I spent five years with Puget Sound Energy in distribution engineering
10 and operations positions prior to joining the Company in 1993 as a Transmission Planning
11 Engineer. Over the past 23 years, in addition to stints in Customer Service and Power Supply
12 I have worked primarily in the Transmission Operations area with responsibilities covering
13 Federal Energy Regulatory Commission (FERC) transmission policy and compliance with
14 open access transmission regulations, transmission contracts, transmission and generation
15 interconnection processes, and regional transmission policy coordination. I have authored
16 testimony in Bonneville Power Administration (BPA) power and transmission rate
17 proceedings and provided comment before the US Senate Subcommittee on Water and Power.
18 In my current role I have responsibility for all transmission revenue and expenses and provide
19 support to the Company's transmission capital planning process.

20 **Q. What is the scope of your testimony?**

21 A. My testimony presents Avista's transmission revenues and expenses included
22 in the Company's request for rate relief effective May 1, 2018.

23 A table of contents for my testimony is as follows:

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8 **Q. Are you sponsoring any exhibits?**

9 A. Yes. Exh. JAS-2 provides the transmission revenue and expense during the
10 Three Year Rate Plan effective May 1, 2018.

11

12 **II. TRANSMISSION EXPENSES FOR THREE YEAR RATE PLAN**

13 **Q. Please describe the adjustments to the twelve-months-ended December 31,**
14 **2016, test year transmission expenses, to arrive at transmission expenses included in this**
15 **case effective May 1, 2018.**

16 A. Adjustments were made in this filing to incorporate updated information for
17 any changes in transmission expenses from the 2016 test year to that used in this case effective
18 May 1, 2018. As can be seen in Exh. JAS-2, I have provided the expected changes in
19 transmission expenses from the 2016 test period through 2020. As noted on Exh. JAS-2, the
20 calendar 2018 level of expenses are used as the rate year (May 1, 2018 – April 30, 2019), pro
21 forma level of transmission expense, as these amounts will be known by the new rate effective
22 date beginning May 1, 2018. Company witness Ms. Andrews pro forms this level of
23 transmission expense within her requested revenue requirement in this case. The changes in
24 expenses and a description of each is summarized in Table No. 1 below, and an explanation
25 of each change follows the table. Each expense item described below is at a system level and

1 is included in Exh. JAS-2 and supporting workpapers for each of the revenue and expense
2 items have been included with the Company's filed case.

3 **Table No. 1:**

Transmission Expense Adjustment	
(System)⁽¹⁾	
NWPP	\$ 12,000
Colstrip O&M - 500kV Line	32,000
ColumbiaGrid Funding	15,000
ColumbiaGrid PEFA	70,000
ColumbiaGrid Order 1000 Functional Agreement	25,000
NERC CIP	(12,000)
OASIS	10,000
PEAK Reliability - Reliability Coordination	37,000
WECC Dues	24,000
WECC - Loop Flow	10,000
Addy BPA Substation	-
Hatwai BPA Substation	-
Total change in Transmission Expense	\$ 223,000
<small>(1) Represents the change in expenses above or below the 2016 historical test year level.</small>	

18 Northwest Power Pool (NWPP) (\$12,000) – Avista pays its share of NWPP operating
19 costs. The NWPP serves the electric utilities in the Northwest by facilitating coordinated
20 power system operations and planning, including contingency generation reserve sharing,
21 Columbia River water coordination and providing support to coordinated regional
22 transmission planning. Avista's share of the costs is expected to be \$76,000, an increase of
23 \$12,000 over the 2016 test year. This estimated increase in expense is based upon the three-
24 year average growth rate in actual NWPP expenses.

25 Colstrip O&M – 500kV Line (\$32,000) – Avista is required to pay its portion of the
26 operation and maintenance (O&M) costs associated with its joint ownership share of the

1 Colstrip Transmission System pursuant to the Colstrip Project Transmission Agreement.
2 Under this agreement, NorthWestern Energy (NWE) operates and maintains the Colstrip
3 Transmission System. In accordance with NWE's proposed Colstrip construction and
4 maintenance plan, the Company's expected share of Colstrip O&M expense during the rate
5 year is \$319,000. This is an increase of \$32,000 from the actual expense of \$287,000 incurred
6 during the 2016 test year.

7 ColumbiaGrid Funding (\$15,000) – Avista became a member of the ColumbiaGrid
8 regional transmission organization in 2006. ColumbiaGrid's purpose is to enhance
9 transmission system reliability and efficiency, provide cost-effective coordinated regional
10 transmission planning, develop and facilitate the implementation of solutions relating to
11 improved use and expansion of the interconnected Northwest transmission system, and
12 support effective market monitoring within the Northwest and the entire Western
13 interconnection. Avista supports ColumbiaGrid's general developmental and regional
14 coordination activities under the ColumbiaGrid Funding Agreement and supports specific
15 functional activities under the Planning and Expansion Functional Agreement (PEFA) and the
16 FERC Order 1000 Functional Agreement. Avista's ColumbiaGrid general funding expenses
17 for the 2016 test year were \$89,000. The general funding expenses during the rate year are
18 expected to be \$104,000.

1 ColumbiaGrid PEFA (\$70,000) – The ColumbiaGrid PEFA¹ was accepted by FERC
2 on April 3, 2007, and Avista entered into the PEFA on April 4, 2007. Coordinated
3 transmission planning activities under the PEFA allow the Company to meet its coordinated
4 regional transmission planning requirements set forth in FERC Order 890 issued in February
5 2007, and as outlined in the Company’s Open Access Transmission Tariff. Actual PEFA
6 expenses for the 2016 test year were \$132,000. The Company’s PEFA expenses during the
7 rate year are expected to be \$202,000, reflecting ColumbiaGrid’s staffing levels and planning-
8 related expenses to support the PEFA.

9 ColumbiaGrid Order 1000 Functional Agreement (\$25,000) – FERC Order 1000
10 requirements are implemented under the Amended and Restated Order 1000 Functional
11 Agreement, signed on November 11, 2014 (Order 1000 Agreement). This contract with
12 ColumbiaGrid called for a \$50,000 payment late in 2014 that covered two years of payments
13 for 2015 and 2016 (expensed in 2015). Beginning in 2017, this contract calls for an annual
14 payment of \$25,000.

15 NERC Critical Infrastructure Protection (CIP) (-\$12,000) – The Company has
16 purchased several software and hardware products to assist in protecting critical transmission
17 control systems from intrusion and to meet applicable North American Electric Reliability
18 Corporation (NERC) standards. These products provide for physical security, intrusion

¹ Under the PEFA, ColumbiaGrid coordinates regional grid expansion planning based on a single-utility concept for the combined transmission grids of its planning parties. The goal of grid expansion planning is to determine reasonable solutions to transmission grid issues pertaining to serving load and complying with reliability standards. The PEFA sets forth the responsibilities of ColumbiaGrid and each planning party to complete annual transmission system assessments and a Biennial Transmission Expansion Plan. While the Company is required by FERC to participate in a coordinated regional planning process, the biennial transmission planning process under the PEFA is enhanced by the participation of many non-FERC jurisdictional entities, including BPA, with whom the Company has more transmission interconnections than with any other entity.

1 detection, virus protection and vulnerability assessment. The Company's NERC CIP
2 expenses are expected to be \$75,000 during the rate year, a decrease of \$12,000 from the 2016
3 test year actual expenses of \$87,000.

4 OASIS (\$10,000) – These Open Access Same-Time Information System (OASIS)
5 expenses are associated with travel and training costs for transmission pre-scheduling and
6 OASIS personnel. This travel is required to monitor and adhere to NERC reliability standards,
7 regional criteria development, FERC OASIS requirements and OASIS user group forums with
8 software vendor Open Access Technology International, Inc. (OATI). Issues regarding the
9 software are discussed and requests are made with the vendor for additional features that will
10 be needed for compliance standards mandated by NERC, NASB and FERC. Expenses during
11 the 2016 test year were \$0 due to the Company hosting a major OATI user group forum in
12 lieu of traveling. Accordingly, these expenses are expected to go up by \$10,000 during the
13 rate year.

14 Peak Reliability – Reliability Coordination (\$37,000) – The Company's Peak
15 Reliability (PEAK) fees are expected to increase from the amount paid in the historical test
16 year from \$678,000 to \$715,000 during the rate year. The formation of PEAK is attributable
17 to the FERC requirement that the western interconnection reliability coordination function be
18 corporately and physically separated from other Western Electricity Coordinating Council
19 (WECC) functions. This "bifurcation" was primarily the result of a transmission system
20 outage in the Pacific Southwest on September 8, 2011. A reference to the disturbance
21 including "Causes and Recommendations" may be found at [http://www.ferc.gov/legal/staff-](http://www.ferc.gov/legal/staff-reports/04-27-2012-ferc-nerc-report.pdf)
22 [reports/04-27-2012-ferc-nerc-report.pdf](http://www.ferc.gov/legal/staff-reports/04-27-2012-ferc-nerc-report.pdf). The Company is required to obtain reliability
23 coordination services under NERC standards. PEAK's budget is approved by its independent

1 board of directors and is allocated to the members of PEAK based upon net energy used to
2 serve load within a member's balancing area. Detailed allocation information is available on
3 PEAK's website www.peakrc.com. The Company's total WECC and PEAK allocations have
4 increased an average of 13.7% over the past five years. The Company is expecting its PEAK
5 allocation to increase approximately 5.5% during the rate effective period.

6 WECC – Dues (\$24,000) – WECC is the designated Regional Entity under federal
7 statute responsible for coordinating and promoting Bulk Electric System reliability throughout
8 the western interconnection. WECC is responsible for monitoring and measuring Avista's
9 compliance with reliability standards and has substantially increased its staff and other
10 resources to meet these FERC requirements. The Company's 2016 test year WECC dues and
11 fees were \$421,000. The Company's total WECC and PEAK allocations have increased an
12 average of 13.7% over the past five years. The Company's WECC allocation is expected to
13 be \$445,000, an increase of 5.7%, during the rate effective period.

14 WECC - Loop Flow (\$10,000) – Loop Flow charges are spread across all transmission
15 owners in the west to compensate utilities that make system adjustments to eliminate
16 transmission system congestion throughout the operating year. WECC Loop Flow charges
17 can vary from year to year since the costs incurred are dependent on transmission system
18 usage and congestion. Loop Flow expenses for the 2016 test year were \$35,000. Loop Flow
19 expenses are expected to be at \$45,000 during the rate year.

20 Addy BPA Substation (\$0) – The Company pays operation and maintenance fees to
21 BPA associated with a 115kV circuit breaker in BPA's Addy Substation that provides a direct
22 interconnection for Avista's retail load. These expenses for the 2016 test year were \$9,000
23 and are expected to remain unchanged during the rate year.

1 Hatwai BPA Substation (\$0) – The Company pays operation and maintenance fees to
2 BPA associated with a 230kV circuit breaker owned by Avista, but located in BPA’s Hatwai
3 Substation. These expenses for the 2016 test year were \$23,000 and are expected to remain
4 unchanged during the rate year.

5
6 **III. TRANSMISSION REVENUES FOR THREE YEAR RATE PLAN**

7 **Q. Please describe the adjustments to 2016 test year transmission revenues to**
8 **arrive at transmission revenues included in this case effective May 1, 2018.**

9 A. Adjustments have been made in this filing to incorporate updated information
10 for transmission revenue from the 2016 test year to that used in this case effective May 1,
11 2018. As can be seen in Exh. JAS-2, I have provided the expected changes in transmission
12 revenues for the period May 1, 2018 – April 30, 2019, as well as that expected for calendar
13 2019 and 2020.²

14 Each revenue item described below is at a system level and is included in Exh. JAS-
15 2. Ms. Andrews has pro formed the transmission revenues within the revenue requirement in
16 this case, reducing transmission revenues downward by \$1,876,000 effective May 1, 2018.
17 Table No. 2, below, provides a detailed summary of the changes in transmission revenues.
18 An explanation of each change follows the table.

² Transmission Revenues (FERC Account 456 other Electric Revenue) are included and tracked as a part of the Company’s Energy Recovery Mechanism (ERM). As explained by Company witness Mr. Ehrbar, the Company proposes to file annually, on or before February 15th, a power supply update prior to new rates going into effect May 1, 2019 and 2020, reflecting changes to revenues and expenses included in base retail rates and in the ERM.

Table No. 2:

Transmission Revenue Adjustment	
(System)⁽¹⁾	
BPA - Transmission	\$ (68,000)
- Low Voltage	184,000
- Ancillary Services	456,000
Consol Irrig Dist - Transmission	-
- Low Voltage	4,000
- Ancillary	4,000
East Greenacres - Transmission	-
- Low Voltage	-
- Ancillary	1,000
Grant PUD Transmission	-
Spokane Indian Tribe - Transmission	-
- Low Voltage	-
- Ancillary	2,000
Seattle/Tacoma Main Canal	(7,000)
Seattle/Tacoma Summer Falls	62,000
OASIS nf & stf Whl (Other Whl)	535,000
Pacificorp - Dry Gulch	14,000
Spokane Waste to Energy Plant	-
Columbia Basin Hydropower	-
First Wind Transmission	(200,000)
Palouse Wind O & M	-
Stimson Lumber	-
BPA Parallel Capacity Support	(2,268,000)
Morgan Stanley Capital Group	(600,000)
Hydro Tech Systems - Meyers Falls	-
Deep Creek Hydro	-
Kootenai Electric Cooperative Transmission	-
Kootenai Electric Cooperative Ancillary	5,000
	\$ (1,876,000)
(1) Represents the change in expense above or below the 2016 historical test year level.	

The Company provides transmission service to wholesale customers under the jurisdiction of the FERC. The components of what has traditionally been known as “wheeling” service include: (i) transmission service over the Company’s transmission facilities that are operated at or above 115kV, (ii) ancillary services (generation-related

1 services that are required to be offered in conjunction with transmission service) and (iii) low-
2 voltage wheeling services over substation and distribution facilities that are operated below
3 115kV. With respect to ancillary services, the Company attained FERC acceptance of revised
4 ancillary service rates effective September 1, 2016. Rates for Regulation Service and
5 Operating Reserves – Spinning increased from \$8.94/kW-month to \$12.83/kW-month, while
6 the rate for Operating Reserves – Supplemental increased from \$8.94/kW-month to
7 \$11.82/kW-month. All ancillary service rate adjustments noted herein are due primarily to
8 this rate change.

9 Bonneville Power Administration (Transmission: -\$68,000) (Low Voltage:
10 \$184,000) (Ancillary Services: \$456,000) – Network Integration Transmission Service
11 revenue, which is dependent upon variable BPA load amounts each month, is estimated based
12 upon a three-year average for the 2014-2016 time period, resulting in a figure of \$6,164,000
13 for the rate year compared to \$6,233,000 for the 2016 test year. The Company attained FERC
14 acceptance of increased substation and low voltage charges effective April 1, 2016, so the
15 2016 test year included three months’ time with the prior charges. Estimated revenues for the
16 rate year are \$1,663,000 compared to \$1,479,000 during the 2016 test year, reflecting an
17 increase of \$184,000 from the test year. Using three-year average monthly peak load figures
18 and the new ancillary service rates effective September 1, 2016, the Company estimates
19 annual ancillary service revenue of \$2,244,000 during the rate year compared to \$1,788,000
20 during the test year, an increase of \$456,000.

21 Consolidated Irrigation District (Transmission: \$0) (Low Voltage: \$4,000) (Ancillary
22 Services: \$4,000) – The prior transmission and distribution service agreements expired on
23 September 30, 2016 and new agreements were executed to be effective through September

1 30, 2021. Point-to-Point Transmission Service revenue for the 2016 test year was \$32,000
2 and is expected to remain unchanged during the rate year. Low voltage revenue for the 2016
3 test year was \$81,000 while charges under the new Electric Distribution Services Agreement
4 will result in revenue of \$85,000 per year during the rate year. Ancillary service revenue
5 during the 2016 test year was \$6,000 and, using three-year average peak load figures, is
6 expected to be \$10,000 during the rate year.

7 East Greenacres Irrigation District (Transmission: \$0) (Low Voltage: \$0) (Ancillary
8 Services: \$1,000) – Current transmission and distribution service agreements will remain in
9 effect through September 30, 2019. Point-to-Point Transmission Service revenue for the 2016
10 test year was \$11,000 and is expected to remain unchanged during the rate year. Low voltage
11 revenue under the current Electric Distribution Service Agreement for the 2016 test year was
12 \$51,000 and is expected to remain unchanged during the rate year. Ancillary service revenue
13 during the 2016 test year was \$5,000 and, using three-year average peak load figures, is
14 expected to be \$6,000 during the rate year.

15 Grant County PUD – Transmission (\$0) – Revenue under the Power Transfer
16 Agreement was \$28,000 for the 2016 test year. Using three-year average load figures the
17 Company is estimating annual revenue of \$28,000 during the rate year.

18 Spokane Tribe of Indians (Transmission: \$0) (Low Voltage: \$0) (Ancillary Services:
19 \$2,000) – Current transmission and distribution service agreements will remain in effect
20 through December 31, 2019. Point-to-Point Transmission Service revenue for the 2016 test
21 year was \$29,000 and is expected to remain unchanged during the rate year. Low voltage
22 revenue under the current Electric Distribution Service Agreement for the 2016 test year was
23 \$20,000 and is expected to remain unchanged during the rate year. Ancillary service revenue

1 during the 2016 test year was \$5,000 and, using three-year average peak load figures, is
2 expected to be \$7,000 during the rate year.

3 Seattle and Tacoma – Main Canal Project (-\$7,000) – Effective March 1, 2008, and
4 continuing through October 31, 2026, the Company entered into long-term point-to-point
5 transmission service arrangements with the City of Seattle and the City of Tacoma to transfer
6 output from the Main Canal hydroelectric project, net of local Grant County PUD load service,
7 to the Company’s transmission interconnections with Grant County PUD. Service is provided
8 during the eight months of the year (March through October) in which the Main Canal project
9 operates, and the agreements include a three-year ratchet demand provision. Revenues under
10 these agreements totaled \$362,000 during the 2016 test year and are expected to be \$355,000
11 during the rate year.

12 Seattle and Tacoma – Summer Falls Project (\$62,000) – Effective March 1, 2008, and
13 continuing through October 31, 2024, the Company entered into long-term use-of-facilities
14 arrangements with the City of Seattle and the City of Tacoma to transfer output from the
15 Summer Falls hydroelectric project across the Company’s Stratford Switching Station
16 facilities to the Company’s Stratford interconnection with Grant County PUD. Charges under
17 these use-of-facilities arrangements are based upon the Company’s investment in its Stratford
18 Switching Station and are not impacted by the Company’s transmission service rates under its
19 Open Access Transmission Tariff. The Company attained FERC acceptance of revised use-
20 of-facilities rates effective August 2016. Revenues under these two contracts totaled \$118,000
21 in the 2016 test year and under the revised rates will be \$180,000 during the rate year.

22 OASIS Non-Firm and Short-Term Firm Transmission Service (\$535,000) – OASIS is
23 an acronym for Open Access Same-time Information System. This is the system used by

1 electric transmission providers for selling available transmission capacity to eligible
2 customers. The terms and conditions under which the Company sells its transmission capacity
3 via its OASIS are pursuant to FERC regulations and Avista's Open Access Transmission
4 Tariff. The Company calculates its rate year adjustments using a three-year average of actual
5 OASIS Non-Firm and Short-Term Firm revenue. OASIS transmission revenue may vary
6 significantly depending upon a number of factors, including current wholesale power market
7 conditions, forced or planned generation resource outage situations in the region, the current
8 load-resource balance status of regional load-serving entities, and the availability of parallel
9 transmission paths for prospective transmission customers.

10 The use of a three-year average is intended to strike a balance in mitigating both long-
11 term and short-term impacts to OASIS revenue. A three-year period is intended to be long
12 enough to mitigate the impacts of non-substantial temporary operational conditions (for
13 generation and transmission) that may occur during a given year, and short-enough so as to
14 not dilute the impacts of long-term transmission and generation topography changes (e.g.,
15 major transmission projects which may impact the availability of the Company's transmission
16 capacity or competing transmission paths, and major generation projects which may impact
17 the load-resource balance needs of prospective transmission customers). If there are known
18 events or factors that occurred during the period that would cause the average to not be
19 representative of future expectations, then adjustments may be made to the three-year average
20 methodology. However, volatility in OASIS revenue from year-to-year can be expected,
21 entirely outside the scope and purview of the Company as a transmission provider. In this
22 filing, the Company is using a three year average for the time period of January 2014 to

1 December 2016. The OASIS revenue for the 2016 test year was \$2.373 million and the three-
2 year average calculated during the rate year is \$2.908 million.

3 PacifiCorp Dry Gulch (\$14,000) – Revenue under the Dry Gulch use-of-facilities
4 agreement has been adjusted to \$232,000 during the rate year, which is a \$14,000 increase
5 from the 2016 test year actual revenue of \$218,000. The Company is calculating its
6 adjustment using a three-year average of actual revenue. Revenue under the Dry Gulch
7 Transmission and Interconnection Agreement with PacifiCorp varies depending upon
8 PacifiCorp’s loads served via the Dry Gulch Interconnection and the operating conditions of
9 PacifiCorp’s transmission system in this area. The use of a three-year average is intended to
10 mitigate the impacts of potential annual variability in the revenues under the contract. The
11 contract includes a twelve-month rolling ratchet demand provision and charges under this
12 agreement are not impacted by the Company’s open access transmission service tariff rates.

13 Spokane Waste to Energy Plant (\$0) – The City of Spokane pays a use-of-facilities
14 charge for the ongoing use of its interconnection to Avista’s transmission system. Use-of-
15 facilities charges for the 2016 test year were \$28,000 and are expected to remain unchanged
16 during the rate year.

17 Columbia Basin Hydropower (\$0) – The Company provides operations and
18 maintenance services on the Stratford-Summer Falls 115kV Transmission Line to Columbia
19 Basin Hydropower (formerly known as the Grand Coulee Project Hydroelectric Authority)
20 under a contract signed in March 2006. These services are provided for a fixed annual fee.
21 Annual charges under this contract totaled \$8,100 in the 2016 test year and will remain the
22 same during the rate year.

1 First Wind Transmission (-\$200,000) – First Wind Energy Marketing (FWEM) signed
2 a transmission service contract with the Company based on its initial intent to sell the output
3 from a wind facility to an entity other than Avista. FWEM subsequently sold the output of its
4 Palouse Wind facility to Avista, thus voiding its need for transmission service. FWEM
5 extended its start date for transmission service the maximum allowed five years and, as of
6 February 2017 has defaulted on the transmission service contract. The Company filed a
7 request with FERC in March 2017, to terminate the contract and obtained FERC acceptance
8 of cancellation effective May 31, 2017. The Company received \$200,000 in revenue under
9 this agreement in the 2016 test year and, following termination, will not receive any further
10 revenue³.

11 Palouse Wind O&M (\$0) – Per Avista’s interconnection agreement with the Palouse
12 Wind project, the interconnection customer pays O&M fees associated with directly-assigned
13 interconnection facilities owned and operated by Avista. O&M revenue for the 2016 test year
14 was \$52,000. Revenue during the rate year is expected to remain unchanged.

15 Stimson Lumber (\$0) – Low-voltage facilities associated with the Company’s
16 Plummer Substation are dedicated for use by Stimson Lumber resulting in low voltage use-
17 of-facilities revenue of \$9,000 during the 2016 test year. Revenue during the rate year is
18 expected to remain unchanged.

19 Bonneville Power Administration – Parallel Capacity Support (-\$2,268,000) – Avista
20 and BPA executed a Parallel Operation Agreement on December 12, 2012, wherein Avista

³ Under the cancellation terms accepted by FERC, the Company will receive proceeds totaling approximately \$1,450,000. While these amounts are not reflected in either the 2016 test year or 2018 rate period, these amounts will be recorded as transmission revenue by June 2017 and reflected in the Company’s Energy Recovery Mechanism.

1 provides BPA with parallel transmission capacity in support of BPA's integration of several
2 wind resource projects. In 2014 BPA indicated its intent to construct additional transmission
3 facilities to bypass Avista's system and terminate this agreement. Avista and BPA completed
4 over two years of negotiations and executed a revised Parallel Capacity Support Agreement
5 that went into effect February 1, 2017, which provides for a reduced payment stream by BPA
6 but with an extended minimum term of ten years, through December 2026. Revenue for the
7 2016 test year was \$3,192,000. Reduced annual revenue under the revised agreement during
8 the rate year and beyond is \$924,000, a reduction of \$2,268,000 from the 2016 test year.

9 Morgan Stanley (-\$600,000) – Morgan Stanley Capital Group purchased 25 MW of
10 Long-Term Firm Point-to-Point Transmission Service from January 1, 2013 to December 31,
11 2017. Revenue for the 2016 test year was \$600,000 and will be reduced to \$0 during the rate
12 year, due to the expiration of the contract.

13 Hydro Tech Systems (\$0) – Low-voltage facilities in the Company's Greenwood
14 Substation are dedicated for use by the Meyers Falls generation project resulting in low
15 voltage use-of-facilities revenue of \$6,000 during the 2016 test year. Revenue during the rate
16 year is expected to remain unchanged.

17 Kootenai Electric Cooperative – Fighting Creek (Transmission: \$0) (Ancillary
18 Services: \$5,000) – Kootenai Electric Cooperative (KEC) has purchased 3 MW of Long-Term
19 Firm Point-to-Point Transmission Service from April 1, 2014 to March 31, 2019.
20 Transmission revenue for the 2016 test year was \$72,000 and is expected to remain unchanged
21 during the rate year. Ancillary service revenue during the 2016 test year was \$18,000 and is
22 expected to be \$23,000 during the rate year. As noted above the Company attained FERC
23 acceptance of revised ancillary service rates effective September 1, 2016. Rates for

1 Regulation Service and Operating Reserves – Spinning increased from \$8.94/kW-month to
2 \$12.83/kW-month, while the rate for Operating Reserves – Supplemental increased from
3 \$8.94/kW-month to \$11.82/kW-month, this increase is due to this rate change.

4

5 **IV. TRANSMISSION EXPENSES FOR ENERGY IMBALANCE MARKET**
6 **PARTICIPATION**

7 **Q. Please provide detail about any transmission expense associated with the**
8 **Company joining the CAISO Western Energy Imbalance Market?**

9 A. The Company is not including any transmission expense related to
10 participation in the California Independent System Operator (CAISO) Western Energy
11 Imbalance Market (EIM) in this filing. As discussed by Company witness Mr. Kinney, the
12 Company is currently evaluating the costs and benefits of joining the CAISO EIM and
13 anticipates making a decision on when to join the market by the end of 2017. The Company
14 is monitoring several operational drivers such as market liquidity and additional renewable
15 integration in our service territory that could influence our timing to join the market.

16 Mr. Kinney explains that EIM integration expenses are estimated to be \$3 million,
17 with another \$12 million in capital additions, while ongoing EIM operational expenses are
18 expected to be from \$3 to \$5 million annually. The Company expects approximately two
19 thirds of these costs will relate to transmission and system operations expense, with the
20 remaining expense related to energy resource and technology expenses. The Company is not
21 requesting recovery of costs in this filing. However, for any such expenses that may be
22 incurred during the Three-Year Rate Plan proposed by the Company in this case, the Company

1 may submit a filing for accounting or ratemaking treatment of these costs for prior to the end
2 of the Three-Year Rate Plan.

3 **Q. Does this complete your pre-filed direct testimony?**

4 A. Yes it does.