

1		I. INTRODUCTION	
2	Q.	Please state your name, business address, and present position with Avista	
3	Corporation	n.	
4	A.	My name is William G. Johnson. My business address is 1411 East Mission	
5	Avenue, Spo	okane, Washington, and I am employed by the Company as a Senior Power Supply	
6	Analyst in the Energy Resources Department.		
7	Q.	What is your educational background?	
8	A.	I am a 1981 graduate of the University of Montana with a Bachelor of Arts Degree	
9	in Political	Science/Economics. I obtained a Master of Arts Degree in Economics from the	
10	University of	f Montana in 1985.	
11	Q.	How long have you been employed by the Company and what are your duties	
12	as a Senior	Power Supply Analyst?	
13	A.	I started working for Avista in April 1990 as a Demand Side Resource Analyst. I	
14	joined the Energy Resources Department as a Power Contracts Analyst in June 1996. My		
15	primary resp	onsibilities involve long-term resource planning and regulatory issues.	
16	Q.	What is the scope of your testimony in this proceeding?	
17	A.	My testimony will 1) describe the adjustments to the 2004 test period power	
18	supply reven	ues and expenses, 2) describe the increases in net power supply expense since the	
19	last general	rate case, and 3) describe the new base level of power supply costs for Energy	
20	Recovery Mechanism (ERM) calculation purposes, using the proforma costs proposed by the		
21	Company in	this filing. A table of contents for my testimony is as follows:	
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Q. Are you sponsoring any exhibits to be introduced in this proceeding?

9 A. Yes. I am sponsoring Exhibit Nos. ____(WGJ-2) through ____ (WGJ-5), which
10 were prepared under my supervision and direction.

Q. Are other company witnesses providing testimony regarding issues you are addressing?

A. Yes. Company Witness Kalich provides detailed testimony on the AURORA model used by the Company to develop short-term power purchase expense and fuel expense and short-term power sales revenue included in my exhibits.

II. SUMMARY

Q. Please provide an overview of your direct testimony.

A. My testimony explains adjustments made to normalize power supply revenue and expense items in the proforma period compared to the 2004 test period. This involves the determination of revenues and expenses based on normal stream flow and weather conditions, and expected wholesale market power prices. In addition, adjustments are made to reflect known and measurable power contract changes between the 2004 test period, and the time period that retail rates are expected to be in effect (i.e., the proforma period beginning January 1, 2006 and ending December 31, 2006). The net effect of my adjustments to the 2004-test period power supply revenues and expenses is a decrease in net expense of \$18,912,000 on a system basis.

1 The Washington allocation of this adjustment of \$12,323,059 is incorporated into the revenue requirement calculation for the Washington jurisdiction by Mr. Falkner. 2 3 III. PROFORMA POWER SUPPLY COSTS 4 Overview 5 0. Please identify the specific power supply cost items that are covered by your 6 testimony. 7 Exhibit No. (WGJ-2) identifies the power supply expense and revenue items A. 8 that fall within the scope of my testimony. These revenue and expense items are related to power 9 purchases and sales, wheeling expenses, thermal fuel expenses and other miscellaneous power 10 supply expenses and revenues. What is the basis for the adjustments to the 2004 actual power supply 11 Q. 12 revenues and expenses? Adjustments are made to set the power supply revenues and expenses based on 13 A. normal weather and normal stream flows. The AURORA model is used to normalize power 14 supply revenue and expenses that are dependent upon weather, stream flows and wholesale 15 16 electric and natural gas market prices. The AURORA Model dispatches Company resources on an hourly basis and calculates the level of generation from the Company's thermal resources 17 18 along with the short-term purchases and sales required to serve system requirements. Adjustments are also made to reflect known and measurable contract changes between 19

the 2004 test period and the proforma period. The Company has included proforma power

supply adjustments to reflect power costs for the twelve-month period beginning January 1, 2006

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and ending December 31, 2006. A brief description of each adjustment is shown in Exhibit No. 1 2 (WGJ-3). Detailed workpapers have also been provided for each adjustment. Adjustment from 2004 Test Year 3 Why have the proforma adjustments from the 2004 test period resulted in a 0. 4 reduction in net power supply expense? 5 The \$18,912,000 (system) reduction in net power supply expense from the 2004 6 A. test year is due in large part to removal of the Potlatch purchase, which is 100 percent allocated 7 to the Idaho jurisdiction. Apart from the Potlatch contract the proforma shows an approximately 8 9 \$4 million increase in net expense versus the 2004 test year. The \$4 million (system) increase in proforma net expense is driven primarily by reduced 10 11 hydro generation (\$7 million), transmission expense increases (\$4 million), WNP-3 purchase and Rathdrum lease expense increases (\$5 million). Offsetting those expense increases are 12 reductions in expense due to the elimination of the losses related to the sale of natural gas not 13 consumed for generation (\$8 million) and the reduction in proforma expense due to increased 14 operating margin from the second half of Coyote Springs 2 (approximately \$4 million). 15 **Changes from Prior General Rate Case** 16 What is the overall change in normalized power supply costs compared to the 17 0. 18 prior general rate case? Proforma power supply net expense has increased by approximately \$28.5 million 19 Α. (Washington allocation) from the currently authorized net expense. The currently authorized net 20 expense is based on a 2000 test year and a proforma period of November 2002 through October 21

1 2003. The proforma net expense in this case is based on a 2004 test year and a proforma period 2 of January 2006 through December 2006.

The increase in proforma expense is driven primarily by reduced hydro generation, increases in fuel related expenses, and a reduction in long-term wholesale revenues. Hydro generation in the proposed proforma net expense is 48.2 aMW lower than the currently authorized level. This reduction in hydro generation is primarily driven by the termination of the Priest Rapids contract with Grant PUD on October 31, 2005 (loss of 28 aMW). Other reductions in hydro generation are discussed in Mr. Kalich's testimony. Table 1 below summarizes the factors driving the increase in proforma power supply net expense.

Table 1
Proforma Net Expense Factors

Reason for Proforma Net Expense Increases		
	(\$000)	
Hydro Generaton Reduction (Priest Rapids contract ends, model changes)	\$11,654	
Fuel prices / Electric price / Thermal plants operating margins	\$3,365	
Transmission Expense (transmission for 2nd half of CS2 and BPA rate increase)	\$1,349	
Fixed Gas Transportation (gas transportation to CS2)	\$4,066	
Reduced Long-Term Sales Margin (PacifiCorp contract ended)	\$2,539	
Rathdrum Lease Expense	\$1,425	
Other	\$4,095	
Total Proforma Net Expense Increase (Washington Allocation)	\$28,494	

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Short-Term Purchases and Sales

Q. How are the short-term market purchases (Account 555) and sales (Account 447) determined in the proforma?

A. Short-term market purchases and sales are an output of the AURORA model. They are the purchases and sales made to balance the system obligations and resources on an hourly basis. Mr. Kalich explains the derivation of the \$56,331,869 (system) of short-term sales

- revenue, and \$20,917,019 (system) of short-term purchase expense in detail in his testimony.
- 2 Exhibit No. ____ (WGJ-4), shows the proforma monthly short-term purchases and sales amounts
- and average price. These figures were taken from Mr. Kalich's Exhibit No. ____(CGK-3).

Long-Term Contracts

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Q. What long-term purchase contracts are included in the proforma?

A. In addition to the Mid-Columbia hydroelectric purchases, there are seven long-term or medium-term purchases and several small PURPA purchases. The long-term purchases are the WNP-3 purchase from the Bonneville Power Administration (BPA), a 10-year wind power purchase that began in early 2004 and a purchase from Grant County PUD that is part of the new power purchase agreement for the Priest Rapids and Wanapum projects that begins November 2005. There are four medium-term purchases of 25 aMW, all with a term of January 2004 through December 2006. There are approximately 7.4 average megawatts of PURPA and other small power purchases. Additional details related to these agreements are included in workpapers.

Q. Please explain the two line items labeled Grant Displacement and Grant Revenue Credit included in the proforma?

A. Both of these items are part of the new power purchase agreement with Grant PUD for their Priest Rapids and Wanapum projects that begins November 2005. Avista currently purchases 6.1% of the Priest Rapids project and 8.2% of the Wanapum project. The Priest Rapids contract expires October 31, 2005. As part of the new agreement Avista will receive approximately 22 average megawatts of displacement power from Grant PUD through September 2011. This power will be priced at Bonneville Power Administration's (BPA) PF

rate. This expense is included on Line 9 of Exhibit No. _____ (WGJ-2) and is labeled Grant

Displacement. Another part of the new power purchase agreement with Grant PUD allows

Avista to receive revenue based on the difference between the market price of power and the cost

of the Priest Rapids project. Avista will receive revenue on its allocation of power

(approximately 8 aMW). This revenue is included in the proforma on line 10 of Exhibit No.

(WGJ-2) and is labeled Grant Revenue Credit. Additional details related to these

agreements are included in workpapers.

O. What long-term sale contracts are included in the proforma?

A. The Company has very few remaining long-term sales. One that remains is the Peaker capacity sale. This sale is the Portland General Electric capacity sale that was monetized in 1998. The other long-term sales include the Nichols pumping sale and the sale of load regulation and reserves. With the Nichols sale, Avista sells power to the other owners of Colstrip units 3 and 4 to supply power to the pumps that supply water to the plant. The contract rate is the Dow Jones Mid Columbia index price. For the proforma, the revenue from the sale is based on the average market purchase and sales prices developed by the AURORA model. The result is no net effect on overall net power supply expense since the revenue from the sale offsets the cost created by the obligation. The advantage of this sale is that it reduces the transmission losses associated with wheeling Colstrip energy to Avista's system since some of Avista's Colstrip energy is "laid-off" at Colstrip to serve the Nichols pumping load.

Other long-term sales include the sale of load control services (Dynamic Energy Services (DES)) to Kaiser Aluminum Company and Pend Oreille PUD. Additional details related to these agreements are included in workpapers.

Thermal Fuel Expense

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Q. How are thermal fuel expenses determined in the proforma?

3 Α. Thermal fuel expenses include the Colstrip coal costs, Kettle Falls wood waste costs and natural gas expense for the Company's gas-fired resources including Coyote Springs 2, 4 Rathdrum, Northeast, Boulder Park, and the Kettle Falls combustion turbine. Unit coal costs at 5 Colstrip are based on the long-term coal supply and transportation agreements. Unit wood fuel 6 costs at Kettle Falls are based on multiple contracts with fuel suppliers and existing inventory. 7 Unit fuel costs for natural gas are based on a 6-month average forward price as explained by Mr. 8 9 Kalich. Total fuel costs for each plant are based on the unit fuel cost and the plant's level of generation as determined by the AURORA model. Exhibit No. ____ (WGJ-4) shows the 10 11 proforma fuel costs by month for each plant.

Q. What is the change in Colstrip and Kettle Falls unit fuel costs?

A. The Colstrip per unit coal cost has increased from \$10.41 per ton in the 2004 test year to \$11.19 per ton in the proforma. The Kettle Falls per unit wood waste cost has increased from \$14.10 per green ton in the test year to \$17.67 per green ton in the proforma. Kettle Falls wood fuel cost increases are due to a variety of factors including increased transportation costs and increased competition for the fuel.

Q. What is the change in natural gas fuel costs?

A. Natural gas fuel expense in the proforma, including operation of the entire Coyote Springs plant for an entire year, totals approximately \$70 million. This is an increase of almost \$50 million from the 2004 test year. The increase is primarily due the addition of the second half of Coyote Spring 2. Coyote Springs 2 generates approximately 162 aMW and the

- Company's other gas fueled plants combined, which are primarily peaking units, generate approximately 8 aMW.
- Natural gas expenses in the proforma also include the expense for natural gas transportation agreements used to serve the Coyote Springs 2 plant. Details of the gas transportation arrangements for Coyote Springs 2 are discussed in Mr. Peterson's testimony.
- 6 Additional details related to these transportation agreements are included in workpapers

Transmission Expense

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- 8 Q. What factors are driving the increase in transmission expense in the 9 proforma?
 - A. Transmission expense in Account 565 increased by approximately \$3.9 million (system) over the test year. The primary reason for the increased expense is additional amounts of transmission purchased in the proforma period and BPA transmission rate increases. The total amount of BPA transmission purchased to integrate generation in the proforma is 466 MW, which includes 196 MW for Colstrip and 270 MW for Coyote Springs 2. Prior to acquiring the second half of Coyote Springs 2 the Company held 343 Megawatts of BPA transmission to integrate generation. On October 1, 2005 BPA transmission rates are set to increase approximately 18% for Point-to-Point transmission, and transmission expense for Avista's WNP-3 purchase is set to increase approximately 14%.
 - Q. How has the Company accounted for transmission expenses for the second half of Coyote Springs 2?
 - A. Avista has included in its proforma the cost of BPA long-term firm transmission to move power from the second half of the CS2 project to its system. BPA currently indicates

that no additional <u>annual</u> long-term firm transmission capability is available to move more power from CS2 to the Company's system, due to transmission constraints during the spring hydroelectric runoff period. BPA indicates that constraints occur in the second quarter under certain system conditions during the time of high hydroelectric generation levels. Transmission is generally available, however, during the 1st, 3rd and 4th quarters of the year when Avista needs

In the acquisition of the second half of CS2, Avista has the opportunity to acquire Mirant's higher position in the BPA queue for long-term firm transmission requests. Avista also has made its own long-term firm transmission request to BPA for the CS2 transaction. Avista may acquire firm long-term BPA transmission through either of those processes. Avista is participating in the 2005 BPA open season for transmission upgrades to the John Day – McNary 500 kV transmission line that will, if agreements are reached, provide adequate long-term firm transmission from the CS2 project to our system.

In the near-term Avista plans to contract with third parties for short-term BPA transmission, and use buy-sell arrangements, and/or exchange arrangements to move CS2 power to Avista's system. These opportunities will allow the same energy transfer that would occur with a firm BPA transmission purchase. Preliminary discussions with BPA indicate that adequate short-term transmission capacity will be available for Q1, Q3, and Q4. In the Company's experience, non-firm transmission has very seldom been curtailed by BPA.

The proforma includes the expense to purchase 123 MW of firm transmission for the second half of Coyote Springs 2. To the extent Avista enters into purchase, sale or exchange agreements to wheel power from Coyote Springs 2, the cost of those arrangements will be

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the generation.

- credited to customers in the ERM deferrals. In this manner customers will only pay for
- 2 transmission for the second half of Coyote Springs 2 in base rates and not through the ERM.

IV. ERM CALCULATIONS

Q. What changes in the ERM is the Company proposing?

- A. ERM deferral entries will continue to be calculated in the same manner as the current calculations. The final order in this case will determine the new authorized level of power supply revenues and expenses used in the ERM calculation. As discussed in Mr. Peterson's testimony, Avista is requesting that the ERM dead-band be eliminated and that all deferrals be subject to a 90%/10% sharing between customers and the Company. This change would not affect the other mechanics of the ERM deferral calculations.
- Q. How are the revenues and expenses from purchases and sales transactions related to the acquisition of natural gas for thermal generation treated in the ERM?
- A. The Company plans to fix the price in advance on some portion of natural gas necessary to run thermal generation. There will also be instances where the Company later, because of a change in market electric and natural gas prices, may sell the gas. These types of transactions may lead to a net gain or loss on the sale of the natural gas that will be recorded as a separate line in the ERM. The objective of these transactions is to provide some stability over time to the cost of natural gas to fuel these generators, while also having the opportunity to make the most economic decision when the time comes to either burn the gas or sell the gas and purchase electricity. The revenue and expenses from these transactions will be recorded in Account 557 (Other Power Supply Expenses) for the cost of the natural gas purchased and Account 456 (Other Electric Revenues) for the revenue from the natural gas sales.

1	Q.	Will there be any change in how the retail revenue adjustment is calculated	
2	in the ERM?		
3	A.	No. The only changes will be the new authorized level of retail sales and the	
4	average cost	of power that will be approved in this case. The Company has proposed that the	
5	authorized re	tail sales be based on the weather-adjusted 2004 sales used in this case. The	
6	proposed base level of retail sales is shown in Exhibit No (WGJ-5). The change in retail		
7	sales will be	multiplied by a proposed rate of \$33.99/MWh. This number comes from Ms.	
8	Knox's cost o	f service study, and represents the average production cost embedded in rates.	
9	Q.	What is the new authorized level of power supply expense proposed by the	
10	Company for	the ERM?	
11	A.	The proposed authorized level of annual power supply expense is \$105,245,450.	
12	This is the su	m of Accounts 555 (Purchased Power), 501 (Thermal Fuel), and 547 (Fuel) less	
13	Account 447	(Sale for Resale). The current level of authorized power supply expense is	
14	\$65,866,619.	The increase in expense is \$39,378,830 on a system basis. The proposed	
15	authorized mo	onthly power supply expense for ERM calculation purposes is shown in Exhibit No.	
16	(WGJ-5)).	
17	Q.	Does that conclude your pre-filed direct testimony?	
18	A.	Yes.	
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