DAVID J. MEYER
VICE PRESIDENT AND CHIEF COUNSEL FOR
REGULATORY & GOVERNMENTAL AFFAIRS
AVISTA CORPORATION
P.O. BOX 3727
1411 EAST MISSION AVENUE
SPOKANE, WASHINGTON 99220-3727
TELEPHONE: (509) 495-4316
DAVID.MEYER@AVISTACORP.COM

BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

IN THE MATTER OF THE APPLICATION	)	CASE NO. AVU-E-23-01
OF AVISTA CORPORATION FOR THE	)	
AUTHORITY TO INCREASE ITS RATES	)	
AND CHARGES FOR ELECTRIC SERVICE	)	DIRECT TESTIMONY
TO ELECTRIC CUSTOMERS IN	)	OF
THE STATE OF IDAHO	)	MARCUS J. GARBARINO
	)	

FOR AVISTA CORPORATION

(ELECTRIC ONLY)

I. INTRODUCTION

Q. Please state your name, business address and present position with Avista Corporation.

A. My name is Marcus J. Garbarino and my business address is 1411 East Mission Avenue, Spokane, Washington. I am employed as Manager of Regulatory Affairs in the Regulatory Affairs Department.

Q. What is your educational background and professional experience?

A. I am a 2008 graduate of Eastern Washington University with a Bachelor of Arts degree in Business Administration, majoring in Accounting, and became a Certified Public Accountant in May 2011. After spending four years in the public accounting sector, I joined Avista in April 2012 as a Resource Accounting Analyst. In July 2014, I moved to the Company’s Internal Audit Department as a Senior Internal Auditor until joining the Regulatory Affairs group in October 2020 as Manager of Regulatory Affairs. My primary responsibilities include electric cost of service, customer usage and revenue analysis, and preparing annual Purchased Gas Adjustment filings for all jurisdictions, amongst other things.

Q. What is the scope of your testimony in this proceeding?

A. My testimony and exhibits will cover the Company’s electric revenue normalization adjustment to the test year results of operations, the proposed Load Change Adjustment Rate to be used in the Power Cost Adjustment and Fixed Cost Adjustment mechanisms, and the electric cost of service study performed for this proceeding. A table of contents for my testimony is as follows:

	Description	Page
I.	Introduction	1
II.	Electric Revenue Normalization	2
III.	Proposed Load Change Adjustment Rate	5
IV.	Electric Cost of Service	7

Q. Are you sponsoring any exhibits in this case?

A. Yes. I am sponsoring Exhibit No. 16 composed of three schedules. Schedule 1 details the calculation of the proposed Load Change Adjustment Rate, Schedule 2 includes a narrative of the electric cost of service study process, Schedule 3 presents the base case electric cost of service study summary results.

Q. Were these exhibit schedules prepared by you or under your direction?

A. Yes, they were.

II. ELECTRIC REVENUE NORMALIZATION

Q. Would you please describe the electric revenue normalization adjustment included in Company witness Ms. Schultz' pro forma results of operations?

A. Yes. The electric revenue normalization adjustment represents the difference between the Company's actual recorded retail revenues during the test year, twelve-months-ended June 2022, and base rate retail revenues on a normalized (pro forma) basis. The total revenue normalization adjustment increases Idaho net operating income by $10,761,000, as shown in adjustment column 2.07 on page 7 of Ms. Schultz' Exhibit No. 4, Schedule 1.

The revenue normalization adjustment consists of four primary components: 1) re-pricing customer usage (adjusted for any known and measurable changes) to base tariff rates presently in effect, 2) adjusting customer load and revenue to a 12-month calendar basis (unbilled revenue adjustment), 3) weather normalizing customer usage and revenue, and 4) eliminating the deferred revenue associated with the Fixed Cost Adjustment (FCA) mechanism during the test year recorded in results.

Q. Since these elements are combined into a single adjustment, would you please identify the impact of each component?

A. Yes. A breakdown of the four components of the revenue normalization is as follows:

1. The re-pricing of billed usage, including the effects of the September 1, 2022 base rate increase, elimination of the revenue and expense associated with the Clearwater Purchase and Sale agreement, as well as the elimination of adder schedule revenue and related amortization expense (Schedule 59 Residential Exchange Credit, Schedule 75 Fixed Cost Adjustment, Schedule 76 Tax Customer Credit, Schedule 91 Public Purpose Tariff Rider, and Schedule 95 Optional Renewable Power)[1] results in an <u>increase</u> to net income of $8,683,000.

2. The re-pricing of unbilled calendar usage and elimination of unbilled adder schedule revenue and expense results in a <u>decrease</u> to net income of $655,000.[2]

3. The weather normalization adjustment <u>decreases</u> net income $1,435,000.

4. The elimination of the FCA deferred revenue recorded in the test year <u>increases</u> net income by $4,168,000.

The combined impact of these four elements is an <u>increase</u> to net income of $10,761,000.

[1] Municipal Franchise Fee and Power Cost Adjustment revenues and related expenses are eliminated in separate adjustments.

[2] The unbilled adjustment consists of removing June 2021 usage billed in July 2021 from the test year, adding June 2022 usage billed in July 2022 to the test year, and re-pricing the net usage at present base rates.

Q. Earlier you stated that customer usage is "adjusted for any known and measurable changes". What material usage adjustments were made to the test year?

A. No known and measurable changes were identified. Therefore, no adjustments were made to the test year.

Q. Please briefly summarize the electric weather normalization process.

A. The Company's electric weather normalization adjustment calculates the change in kWh usage required to adjust actual loads during the test period to the amount expected if weather had been normal. This adjustment incorporates the effect of both heating and cooling on weather-sensitive customer groups. The weather adjustment is developed from an analysis of ten years (January 2012 through December 2021) of calendarized usage-per-customer and calendar period heating and cooling degree-day data. The resulting monthly weather sensitivity factors (use-per-customer-per-heating-degree day and use-per-customer-per-cooling-degree day) are applied to the difference between normal heating/cooling degree-days and monthly test year observed heating/cooling degree-days.

Q. Is this proposed weather adjustment methodology consistent with the methodology utilized in the Company's last general rate case in Idaho?

A. The Company is proposing two changes to the weather normalization methodology. First, the Company proposes to change the definition of "normal" from a 30-year to a 20-year rolling average. Second, the Company proposes to adjust its non-degree day seasonal regression factors from seasonal factors to monthly factors. These two changes are discussed in detail in Company witness Dr. Forsyth's testimony.

Q. What data was used to determine "normal" heating and cooling degree days?

A. Normal heating and cooling degree days are based on a rolling 20-year average of heating and cooling degree-days reported for each month by the National Weather Service for the Spokane Airport weather station. Each year the normal values are adjusted to capture the most recent year with the oldest year dropping off, thereby reflecting the most recent information available at the end of each calendar year. The calculation includes the 20-year period from 2002 through 2021.

Q. What was the change in kWhs resulting from weather normalization for the twelve-months-ended June 2022 test year?

A. During the test year, weather was near normal during the winter and warmer than normal during the summer. Since electric usage is impacted by both heating and cooling, weather normalization required a reduction to usage for more heating degree days and a reduction to usage for more cooling degree days during the test year compared to normal. The annual total adjustment to Idaho electric sales volumes was a reduction of 19,508,484 kWhs, which is approximately 0.5% of billed usage. The electric system monthly weather adjustment volumes were provided to Company witness Mr. Kalich as an input to the Pro Forma Power Supply adjustment.

III. PROPOSED LOAD CHANGE ADJUSTMENT RATE

Q. What is the Load Change Adjustment Rate?

A. The Load Change Adjustment Rate (LCAR) is part of the Power Cost Adjustment (PCA) mechanism that prices the change in power supply-related costs associated with the change in actual retail loads from the retail loads that were used to set the PCA base costs. The LCAR determination process for all Idaho investor-owned utilities was established in IPUC Case No. GNR-E-10-03, Order No. 32206, which was approved on March 15, 2011. The LCAR is also a key component in the Company's electric Fixed Cost Adjustment (FCA) mechanism.[3]

Q. How was the LCAR determined?

A. The proposed LCAR was determined by first computing the proposed revenue requirement on the total production and transmission costs contained within Ms. Schultz' Idaho electric pro forma total results of operations. The production/transmission revenue requirement amount is then divided by the Idaho normalized retail load used to set rates in order to arrive at the average production and transmission cost-per-kWh embedded in proposed rates. This amount is then multiplied by the proportion of production and transmission costs classified as energy-related in the cost of service study. The LCAR, therefore, represents the energy-related portion of Avista's production and transmission costs, on a per-kWh basis.

Q. Do you have an exhibit schedule that shows the calculation of the proposed LCAR for the rate years beginning September of 2023 and 2024?

A. Yes. Exhibit No. 16, Schedule 1 begins with the identification of the production and transmission revenue, expense and rate base amounts included in each of Ms. Schultz' actual, restating, and pro forma adjustments to results of operations. The resulting production and transmission cost components are summarized on page 1. Rate

[3] As required in the Company's FCA, the LCAR from the PCA (grossed up for revenue-related expenses) multiplied by kWh sales is deducted from base rate revenues in the FCA to ensure that no overlap occurs between the PCA and the FCA.

Year 1 (September 1, 2023 – August 31, 2024) values are shown on Line 39 and Rate Year 2 (September 1, 2024 – August 31, 2025) values are shown on Line 53.

Page 2 shows the revenue requirement calculations for each rate year based on the production and transmission cost components from page 1. The rate of return and debt cost percentages on Line 2 are inputs from the proposed cost of capital (Exhibit No. 5, Schedule 1, Page 4). The normalized retail load on Line 10 comes from the workpapers supporting the revenue normalization adjustment. Line 11 represents the average total production and transmission cost-per-kWh proposed to be embedded in Idaho customer retail rates. Lines 12 and 13 are values taken from the cost of service study report titled "Functional Cost Components at Proposed Return" which represents total costs at unity. Line 12 shows the amount of production and transmission costs classified as energy-related, while Line 13 shows the total production and transmission costs in the study.

The resulting LCARs on Page 2, Line 14 are $0.02523 per kWh or $25.23 per MWh for Rate Year 1 and $0.02654 per kWh or $26.54 per MWh for Rate Year 2. The calculation of the LCAR for each rate year will be revised based on the final production and transmission costs, and rate of return, that are approved by the Commission in this case.

IV. ELECTRIC COST OF SERVICE

Q. As part of Settlement approved in the Company's last general rate case, did the Parties agree to "meet and confer" regarding the Company's electric cost of service study?

A. Yes. Provision 24 of the Settlement Stipulation in Case No. AVU-E-21-

01 stated the following:

> Electric Cost of Service and Basic Charge Workshop – The Parties agree, prior to the Company's next general rate case filing, to meet and confer regarding the Company's electric cost of service study and the appropriate level of basic charges. The purpose of the workshop will be to discuss the merits of differing cost of service methodologies and basic charge levels. The Company will provide available information, studies and data requested by any of the Parties so as to enable meaningful workshop participation and discussion of issues. No Party shall be bound by workshop discussions and may contest cost of service and rate spread or rate design issues in subsequent proceedings.

In compliance with that agreement, the Parties held a meeting on May 4, 2022, to discuss the Company's electric cost of service study. This resulted in no changes in the calculation or methodology used to perform the electric cost of service study.

Q. Please briefly summarize your testimony related to the electric cost of service study.

A. I believe the Base Case electric cost of service study presented in this case is a fair representation of the costs to serve each customer group. The Base Case study shows Residential Service Schedule 01, Large General Service Schedules 21/22, and Pumping Service Schedules 31/32 provide less than the overall rate of return under present rates. All of the other service schedules provide more than the overall rate of return under present rates to varying degrees.

Q. What is an electric cost of service study and what is its purpose?

A. An electric cost of service study is an engineering-economic study, which separates the revenue, expenses, and rate base associated with providing electric service to designated groups of customers. The groups are made up of customers with similar load characteristics and facilities requirements. Costs are assigned or allocated to each group based on, among other things, test year load and facilities requirements, resulting in an evaluation of the cost of the service provided to each group. The rate of return by customer group indicates whether the revenue provided by the customers in each group recovers the cost to serve those customers.

The study results are used as a guide in determining the appropriate rate spread among the groups of customers. Schedule 2 of Exhibit No. 16 explains the basic concepts involved in performing an electric cost of service study. It also details the specific methodology and assumptions utilized in the Company's Base Case cost of service study.

Q. What is the basis for the electric cost of service study provided in this case?

A. The electric cost of service study provided by the Company as Exhibit No. 16, Schedule 3 is based on the twelve-months-ended June 2022 Pro Forma Study presented by Ms. Schultz in Exhibit No.4, Schedule 1.

Q. Would you please explain the cost of service study presented in Exhibit No. 16, Schedule 3?

A. Yes. Exhibit No. 16, Schedule 3 is composed of a series of summaries of the cost of service study results. The summary on page 1 shows the results of the study by FERC account category. The rate of return by rate schedule and the ratio of each schedule's return to the overall return are shown on Lines labeled 645 and 646. This summary was provided to Company witness Mr. Miller for his consideration regarding rate spread and rate design. The results will be discussed in more detail later in my testimony.

Pages 2 and 3 are both summaries that show the revenue-to-cost relationship at current and proposed revenue. Costs by category are shown first at the existing schedule returns (revenue); next the costs are shown as if all schedules were providing equal recovery (cost). These comparisons show how far current and proposed rates are from rates that would be in alignment with the cost study. Page 2 shows the costs segregated into production, transmission, distribution, and common functional categories. Line 774 on page 2 shows the target change in revenue which would produce unity in this cost study. Page 3 segregates the costs into demand, energy, and customer classifications. Page 4 is a summary identifying specific customer-related costs embedded in the study.

The Excel model used to calculate the cost of service and supporting schedules has been included in its entirety electronically in the workpapers accompanying this case.

Q. Given that the specific details of this methodology are described in the narrative in Exhibit No. 16, Schedule 2, would you please give a brief overview of the key elements and the history associated with those elements?

A. Yes. Production costs are classified to energy and demand in this case based on the system load factor. The Company has presented this approach in prior general rate cases (Case Nos. AVU-E-11-01, AVU-E-15-05, AVU-E-16-03, AVU-E-17-01, AVU-E-19-04 and AVU-E-21-01).

Transmission costs are classified as 100% demand and allocated by the average of the 12 monthly coincident peaks. This methodology is the same treatment as the last five Idaho cases (Case Nos. AVU-E-12-08, AVU-E-15-05, AVU-E-16-03, AVU-E-17-01 AVU-E-19-04 and AVU-E-21-01) and reflects the methodology accepted in the Settlement in Case No. AVU-E-10-01.

Distribution costs are classified and allocated by the basic customer theory accepted by the Idaho Commission in Case No. WWP-E-98-11.[4] Additional direct assignment of demand-related distribution plant has been incorporated to reflect improvements accepted by the Commission in Case No. AVU-E-04-01.

Property insurance and taxes are functionalized and allocated based on plant in service. Pensions and employee insurance expenses are allocated based on salary and wages. FERC fees are identified and allocated based on energy consumption. Revenue-based fees, uncollectible accounts expenses, and excise taxes are allocated by relative share of total revenue. Other administrative and general costs which can be directly associated with production, transmission, distribution, or customer relations functions based on Company department (expenditure organization) are directly assigned to those functions and then allocated to customer class by the relevant plant or number of customers associated with the function. The remaining administrative and general costs are categorized as common costs and have been assigned to customer classes by the four-factor allocator accepted by the Idaho Commission in Case No. AVU-E-04-01.

Q. Does the Company's electric Base Case cost of service study follow the methodology filed in the Company's last electric general rate case in Idaho?

A. Yes.

Q. What are the results of the Company's electric Base Case cost of service study presented in this case?

A. Table No. 1 summarizes the Base Case cost of service study results. The first two columns show the rate of return and the relationship of the customer class return

---

[4] Basic customer cost theory classifies only meters, services, and street lights as customer-related plant; all other distribution facilities are considered demand-related.

to the overall return (relative return ratio) at present rates for each rate schedule.[5] The next column presents the ratio of revenue provided by present rates divided by the total cost of service at the requested overall return (revenue-to-cost ratio)[6], followed by the dollar value of the difference between total cost and present revenue for each customer class.[7]

Table No. 1:

Base Case Cost of Service Study Summary Statistics

Customer Class	Rate of Return	Return Ratio	Revenue to Cost Ratio	Cost Less Revenue ($000's)
Residential Service Schedule 01	4.10%	0.87	0.86	$ 22,376
General Service Schedules 11/12	5.89%	1.24	0.92	$ 3,686
Large General Service Schedules 21/22	4.18%	0.88	0.85	$ 8,116
Extra Large General Service Schedule 25	5.80%	1.22	0.93	$ 1,649
Extra Large General Service Clearwater Paper Schedule 25P	7.53%	1.59	0.99	$ 286
Pumping Service Schedules 31/32	3.58%	0.75	0.82	$ 1,354
Lighting Service Schedules 41 - 49	8.04%	1.70	1.00	$ (5)
Total Idaho Electric System	4.74%	1.00	0.88	$ 37,462

As can be observed from the above table, the return ratio measure of relative cost recovery shows that Residential Service Schedule 01, Large General Service Schedules 21/22, and Pumping Service Schedule 31/32 provide less than the overall rate of return under present rates (under unity). All other service schedules provide more than the overall rate of return under present rates to varying degrees (over unity). The revenue-

[5] Avista typically has used the relationship of each customer group's earned return to the overall Idaho electric earned return, called the return ratio, as the measure of relative cost recovery provided by present and proposed rates.

[6] Revenue-to-cost is a stand-alone measure of how each group's revenue compares to total cost of service for the group (as indicated by the cost study). It can be shown as a ratio of revenue divided by cost or the difference of cost less revenue. A revenue-to-cost ratio less than 1.00 indicates that the customer group is not covering the costs to serve them, whereas a ratio greater than 1.00 indicates that the customer group is paying more than the cost to serve them (providing a subsidy to other groups). When shown as the difference of cost less revenue, the value represents the revenue change necessary to equal the cost of service indicated by the cost study.

[7] In my cost of service exhibit the Cost less Revenue value is called "Target Revenue Change" and may be found on Exhibit 16, Schedule 3, page 2, at line 774.

to-cost ratio measure indicates that present revenues from the Lighting Service Schedules 41 – 49 meet the total cost of service produced by the study. Present revenues from all other customer groups provide less than the total cost to serve them. The summary results of this study were provided to Mr. Miller for consideration in the development of proposed rates.

Q. Does this conclude your pre-filed direct testimony?

A. Yes.