#### BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

DOCKET NO. UE-19\_\_\_\_\_

DOCKET NO. UG-19\_\_\_\_\_

DIRECT TESTIMONY OF

MARK T. THIES

REPRESENTING AVISTA CORPORATION

1		I. INTRODUCTION
2	Q.	Please state your name, business address, and present position with Avista
3	Corporation	
4	А.	My name is Mark T. Thies. My business address is 1411 East Mission Avenue,
5	Spokane, Wa	shington. I am employed by Avista Corporation as Senior Vice President, Chief
6	Financial Off	icer and Treasurer.
7	Q.	Would you please describe your education and business experience?
8	А.	I received a Bachelor of Arts degree in 1986 with majors in Accounting and
9	Business Adı	ministration from Saint Ambrose College in Davenport, Iowa, and became a
10	Certified Pul	blic Accountant in 1987. I have extensive experience in finance, risk
11	management,	accounting and administration within the utility sector.
12	I joine	ed Avista in September of 2008 as Senior Vice President and Chief Financial
13	Officer (CFO	). Prior to joining Avista, I was Executive Vice President and CFO for Black
14	Hills Corpora	tion, a diversified energy company, providing regulated electric and natural gas
15	service to are	as of South Dakota, Wyoming and Montana. I joined Black Hills Corporation
16	in 1997 upon	leaving InterCoast Energy Company in Des Moines, Iowa, where I was the
17	manager of a	ccounting. Previous to that I was a senior auditor for Arthur Andersen & Co. in
18	Chicago, Illin	iois.
19	Q.	What is the scope of your testimony in this proceeding?
20	А.	I will provide a financial overview of Avista Corporation as well as explain
21	our credit rati	ings and the Company's proposed capital structure and overall rate of return in
22	this case. Con	mpany witness Mr. McKenzie will provide additional testimony related to the
23	appropriate re	eturn on equity for Avista, based on our specific circumstances, together with the

- 1 current state of the financial markets. I will provide an overview of our capital expenditures
- 2 program, and other witnesses will provide details on what capital expenditures we are making,
- 3 and why they are necessary in the time frame in which they are planned.
  - In brief, I will provide information that shows:

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- 5 1. Avista's corporate credit rating from Standard & Poor's (S&P) is currently BBB 6 and Baa2 from Moody's Investors Service. Avista must operate at a level that will 7 support a solid investment grade corporate credit rating in order to access capital 8 markets at reasonable rates. A supportive regulatory environment is an important 9 consideration by the rating agencies when reviewing Avista. Maintaining solid 10 credit metrics and credit ratings will also help support a stock price necessary to 11 issue equity under reasonable terms to fund capital requirements.
- We are proposing an overall rate of return of 7.52 percent, which includes a 50 percent common equity ratio, a 9.9 percent return on equity, and a cost of debt of 5.15 percent. We believe our proposed overall rate of return of 7.52 percent and the proposed capital structure provide a reasonable balance between safety and economy.
- 193. Avista's plans call for a continuation of utility capital investments in generation,20transmission and distribution systems and technology to preserve and enhance21service reliability for our customers. Capital expenditures of \$405 million per year22(system) are planned for the five-year period ending December 31, 2023. Avista23needs adequate cash flow from operations to fund these requirements, together24with access to capital from external sources under reasonable terms, on a25sustainable basis.
- 27 A table of contents for my testimony is as follows:

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29	I.	Introduction	1
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34	VI.	Credit Ratings	30

#### Q. Are you sponsoring any exhibits with your direct testimony?

- 2 A. Yes. I am sponsoring Exh. MTT-2 pages 1 through 7, which were prepared under my direction. Avista's credit ratings by S&P and Moody's are summarized on page 1. 3 4 Avista's proposed capital structure and cost of capital are included on page 2, with supporting 5 information on pages 3 through 7. Confidential Exh. MTT-3C is our Interest Rate Risk 6 Management Plan. Exh. MTT-4 is the Company's March 2019 Infrastructure Investment 7 Plan. Confidential Exh. MTT-5C shows the Company's planned capital expenditures and 8 long-term debt issuances by year for 2019-2023. 9 10 **II. FINANCIAL OVERVIEW O**. 11 Please provide an overview of Avista's financial situation. 12 Avista has and will continue to operate the business efficiently to keep costs as A. 13 low as practicable for our customers, while at the same time ensuring that our energy service 14 is reliable and our customers are satisfied. An efficient, well-run business is not only 15 important to our customers but also important to investors. Our capital financing plan, and 16 our execution of that plan, provides a prudent capital structure and liquidity necessary for 17 utility operations. We initiate regulatory processes to recover our costs in a timely manner 18 with the goal of achieving earned returns close to those allowed by regulators in each of the 19 states we serve. These elements - cost management, ready access to capital and revenues that 20 support operations – are key determinants to the rating agencies when they are reviewing our 21 overall credit ratings.
- Q. What steps is the Company taking to maintain and improve its financial
  health?

1 A. We are working to assure there are adequate funds for operations, capital 2 expenditures and debt maturities. We obtain a portion of these funds through the issuance of 3 long-term debt and common equity. We actively manage risks related to the issuance of long-4 term debt through our interest rate risk mitigation plan and we maintain a proper balance of 5 debt and common equity through regular issuances and other transactions. We actively 6 manage energy resource risks and other financial uncertainties inherent in supplying reliable 7 energy services to our customers. We create financial plans and forecasts to model our 8 income, expenses and investments, providing a basis for prudent financial planning. We seek 9 timely recovery of our costs through general rate cases and other ratemaking mechanisms.

10 The Company currently has a sound financial profile and it is very important for Avista 11 to maintain and enhance its financial position in order to access debt and equity financing 12 under reasonable terms as Avista funds significant future capital investments and refinances 13 maturing debt.

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#### **III. CAPITAL EXPENDITURES**

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#### What is the Company's recent history related to capital investments?

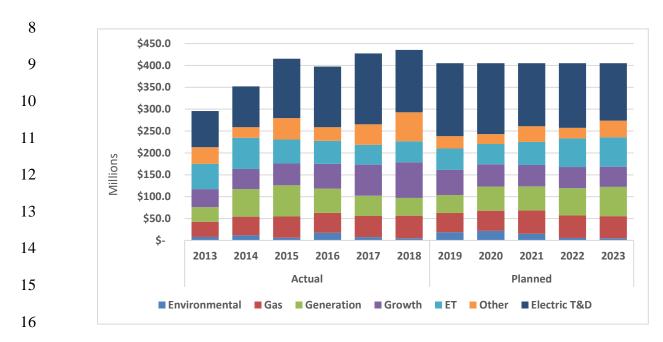
A. We are making significant capital investments in our electric generation, transmission and distribution facilities, natural gas distribution system, and new technology to better serve the needs of our customers. These investments are focused on, among other things, the preservation and enhancement of safety, service reliability and the replacement of aging infrastructure. For the period 2014 through 2018, our capital expenditures were approximately \$400 million per year, on a system basis. While there are variations among the functional areas targeted for investment each year, the predominant areas have included natural gas distribution

plant, electric generation, transmission and distribution facilities, new customer hookups,
 environmental and regulatory requirements, information technology and other supporting
 functions, such as fleet services and facilities.

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#### Q. What are Avista's recent and planned capital expenditure levels?

5 A. Illustration No. 1 below summarizes the capital expenditure levels for recent 6 years, as well as planned expenditures through 2023.



#### 7 <u>Illustration No. 1 – Capital Expenditures</u>

17 The capital expenditure level is expected to remain constant at \$405 million (system)18 annually from 2019 through 2023.

Q. Please explain how Avista identifies and prioritizes capital investments,
and why the investments are made in the time frame they are completed.

A. I will summarize why Avista is making capital investments in the time frame they are being completed, and the process we use for identifying and prioritizing those investments. Company witnesses Mr. Thackston, Ms. Rosentrater, and Mr. Kensok provide

details of our completed capital projects, as well as major projects included in Company witness Ms. Schuh's pro forma capital adjustment. Those witnesses address why they need to be done in the planned time frame, and what the risks and consequences are of not completing the projects in that time frame.

5 As discussed in greater detail in Exh. MTT-4, Avista's "Infrastructure Investment 6 Plan", our process to identify and prioritize capital investment is designed to meet the overall 7 need for investment, in the appropriate time frame, in a manner that best meets the future 8 needs and expectations of our customers, in both the short-term and long-term. The 9 Company's practice has been to constrain the level of capital investment each year, such that 10 not all of the prioritized projects and programs<sup>1</sup> will be funded in a given year at the level Avista believes that holding capital spending below the level requested 11 requested. 12 accomplishes several important objectives, including:

- Promotes Innovation Encourages ways to satisfy the identified investment needs in a manner that may identify potential cost savings, defer implementation, or other creative options or solutions.
  - **Balances Cost and Risk** Captures the customer benefits of deferring needed investments by prudently managing the cost consequences and risks associated with such deferrals.
    - *Efficiently Allocates Capital* Ensures that the highest-priority needs are adequately funded in the most efficient and effective way.
  - *Reduces Variability* Moderates the magnitude of year-to-year variability to avoid excessive rate impacts, and more efficiently optimizes the number and cost of personnel necessary to carry out the capital projects.

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<sup>&</sup>lt;sup>1</sup> "Project" refers to an individual investment for a specific period of time. "Programs" represent investments that address systemic needs that are ongoing with no recognized endpoint, such as the wood pole management or Aldyl-A Pipe Replacement programs. For ease of reference, the term "capital project" will be used to represent both capital projects and capital programs.

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Avista currently has chosen to stabilize the level of annual capital spending at what can be described as a constrained level of \$405 million (system), in an effort to accomplish the objectives described above.

4 Q. As Avista removes old equipment and replaces it with new, does the 5 depreciation component currently included in retail rates cover the cost to replace 6 facilities?

7 A. No. The depreciation component currently included in retail rates generally 8 covers a very small amount of the new facilities and equipment placed into service, especially 9 for the long-lived assets. Avista's retail rates are cost-based, which means the prices 10 customers are paying today for natural gas pipe, gate stations, transformers, distribution poles, 11 substations, and transmission lines, among other facilities, are based on the cost to install those 12 facilities, in some cases, 40, 50, and even 60 years ago. The costs of the same equipment and 13 facilities today are many times more expensive. The depreciation component built into retail 14 rates today is based on the much lower cost to install those facilities many years ago. 15 Therefore, the depreciation component in retail rates covers only a small fraction of the annual 16 costs associated with the new investment in facilities.

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#### Q. How does Avista identify and prioritize its capital investments?

18 A. Avista's capital investments originate from the following six major
19 "investment drivers":

- 20 1. Respond to customer requests for new service or service enhancements;
- 2. Meet our customers' expectations for quality and reliability of service;

22 3. Meet regulatory and other mandatory obligations;

23 4. Address system performance and capacity issues;

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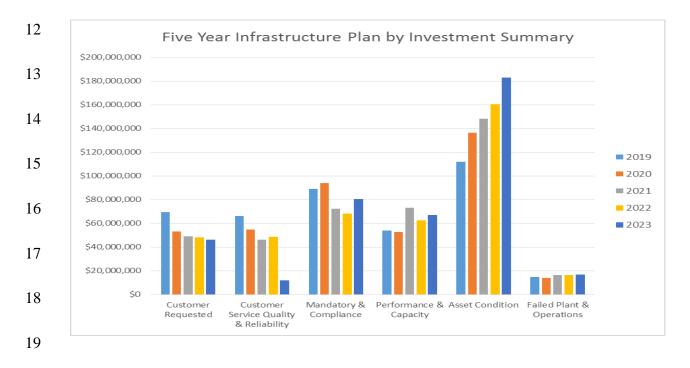
5. Replace infrastructure at the end of its useful life based on asset condition; and

6. Replace equipment that is damaged or fails, and support field operations.

3 An explanation of each of these drivers, as well as examples of specific capital projects 4 under these drivers, is provided in the Infrastructure Investment Plan, attached as Exh. MTT-5 4. In addition, Company witnesses Mr. Thackston, Ms. Rosentrater, and Mr. Kensok provide 6 details on the specific capital projects planned and in progress, why the projects need to be 7 done in the time frame they will be completed, as well as what the risks and consequences are 8 of not completing the projects.

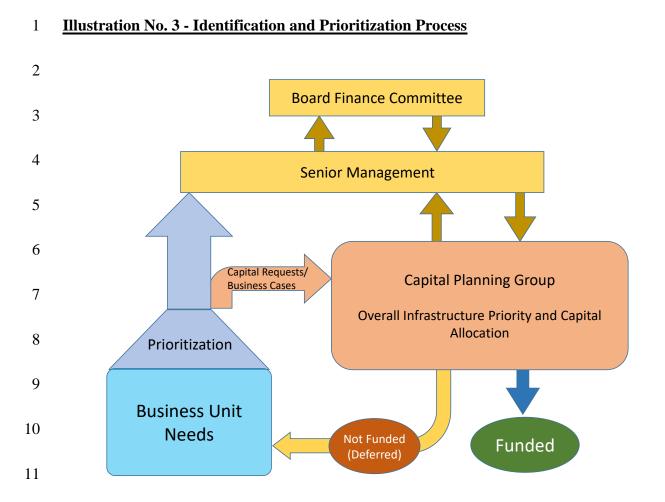
9 A breakdown of planned investments for each driver for 2019-2023 is shown in 10 Illustration No. 2 below.





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The process under which Avista's planned capital expenditures are identified and 21 prioritized is illustrated in Illustration No. 3 below.



The capital projects are identified in the lower-left portion of the diagram labeled "Business Unit Needs," and are then <u>prioritized within each department</u>. This prioritization occurs with the knowledge of the continuing constraint on the capital spend level for the Company, while at the same time the leadership of each department informs Senior Management of both the near-term and longer-term needs that are being delayed. For the prioritized projects, Business Cases<sup>2</sup> are developed for each of the Capital Requests that go to the Capital Planning Group (CPG) (as illustrated in the diagram). The CPG prioritizes the

<sup>&</sup>lt;sup>2</sup> A Business Case is a summary document that defines the business problem addressed by a project or program, along with a proposal and recommended solution. The Business Case explains why the work is necessary, and the risks associated with not making the investment, as well as the alternatives considered, the selected alternative and the timeline associated with the project.

1 Capital Requests across departments, such that the overall planned capital spend stays within 2 the constrained spend level established by Senior Management. The highest priority Capital 3 Requests are "Funded", and a portion of the Capital Requests are "Not Funded" (Deferred), 4 as shown on the diagram. Each year, the Board Finance Committee reviews and approves the 5 first year of the rolling five-year capital investment plan. Under this Identification and 6 Prioritization Process, the capital projects are screened and prioritized twice; once within the 7 departments, and then a second time across departments within the CPG. This Identification 8 and Prioritization Process is explained in more detail in the Infrastructure Investment Plan in 9 Exh. MTT-4.

## 10Q.What does Avista consider in setting the overall level of capital investment11each year?

A. A range of factors influences the level of capital investment made each year, including: 1) the level of investment needed to meet safety, service and reliability objectives and to further optimize our facilities; 2) the degree of overall rate pressure faced by our customers; 3) the variability of investments required for major projects; 4) unanticipated capital requirements, such as an unplanned outage on a large generating unit; 5) the cost of debt; and 6) the opportunity to issue equity on reasonable terms.

## Q. Why did the Company increase the level of its capital expenditures beginning in 2015?

A. The primary drivers that have affected Avista's level of capital investment includes the business need to fund a greater portion of the departmental requests for new capital investment that, in the past, have not been funded, and the need to capture investment opportunities and benefits identified by our asset management programs.

#### 0. If a project is delayed for whatever reason, can the Company simply lower the capital budget for that year rather than find another project to fund?

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A. The continuing progress on projects in the queue is very important to avoid the 4 creation of a large "bow-wave" of investment that needs to be done in a relatively short period 5 of time. Generally, if a project is delayed, moving the next priority project up helps to 6 alleviate that bow-wave. This reprioritization occurs within the CPG, which is charged with 7 ensuring that the total capital spend for the year stays within the constrained spending limit 8 established by the Company. The dollar amount of capital projects requested by departments 9 with the amounts approved by the Company is provided in Table No. 1 below. The dollar 10 amounts for projects that were delayed (not approved) are also shown:

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Table No. 1: Capital Project Requests/Approvals (\$ in millions)

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12	Year	Requested	Approved	Delayed	% Capital Delayed
13	2017	\$461	\$405	\$56	12%
	2018	\$455	\$405	\$50	11%
14	2019	\$528	\$405	\$123	23%
	2020	\$516	\$405	\$111	22%
15	2021	\$501	\$405	\$96	19%
	2022	\$467	\$405	\$62	13%

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17 As demonstrated in Table No. 1 above, the Company has a significant capital 18 investment need, as determined by Company subject matter experts. If Avista were simply 19 just trying to grow rate base for purposes of increasing earnings, we would not constrain 20 ourselves to the \$405 million capital budget level. Put another way, Avista could fully justify 21 increasing its capital budget to \$500 million over the next several years, but it is choosing not 22 to in order to balance investment need with customer rate impact.

#### Q. What is driving the investment in utility plant in Washington?

2 A. As discussed in more detail by Company witness Ms. Andrews, the increase 3 in overall costs to serve customers is driven primarily by the continuing need to replace and 4 upgrade the facilities and technology we use every day to serve our customers, while revenue 5 growth remains low. In particular, Rate Year 1 of the Company's requested rate relief is 6 higher primarily because Rate Year 1 is in a sense, trying to "catch up" its recovery of capital 7 investment in-service, serving customers through calendar-year 2018, compared to that 8 currently included in rates. This "catch up" of capital investment through 2018 alone equates 9 to approximately \$238.9 million for electric and \$100.8 million for natural gas in increased 10 gross plant investment. Additionally, the Company has pro formed gross plant additions for 11 2019 (20 discreet "major" projects) into the Company's electric and natural gas cases, totaling 12 \$84.9 million and \$26.5 million, respectively.

13 Ms. Schuh sponsors the restating and pro forma capital adjustments which incorporate 14 the effects of these capital investments in the determination of the Company's proposed 15 revenue requirements. Other Company witnesses, (i.e., Mr. Thackston regarding production 16 assets; Ms. Rosentrater regarding transmission, electric and natural gas distribution and 17 general assets; and Mr. Kensok regarding the costs associated with Avista's Information 18 Service/Information Technology (IS/IT) projects) provide more specific information on 19 certain "major" capital projects during the historical periods 2017 and 2018, as well as the 20 2019 "major" pro forma capital projects included in this case, describing the need for and 21 timing of these capital projects. These investments reflect, among other things, replacement 22 and maintenance of Avista's utility system and to sustain reliability, safety, and service to 23 customers. Major projects include the continued Aldyl-A Pipe Replacement program, Nine

1	Mile and Little Falls Redevelopment, Distribution Grid Modernization, certain transmission
2	and substation rebuilds, Customer Facing Technology Projects, Enterprise & Control
3	Network Infrastructure, Central Office Facility updates, and the overall systematic
4	replacement of aging infrastructure, among others.
5	
6	IV. MATURING DEBT
7	Q. How is Avista affected by maturing debt obligations from 2019 through
8	2023?
9	A. Beginning in 2019 through 2023 the Company is obligated to repay maturing
10	long-term debt totaling \$405.5 million as shown in Table No. 2 below. Within this forward
11	looking five-year period, a large concentration - \$250 million - matures within the second
12	quarter of 2022.
13	Table No. 2

14	Avista Corp								
		Long-Term Debt Maturities, 2019-2023							
15	Maturity Year	Pri	ncipal Amount	Coupon Rate	Date Issued	Maturity Date			
15	2019	\$	90,000,000	5.450%	11/18/2004	12/1/2019			
16	2020	\$	52,000,000	3.890%	12/20/2010	12/20/2020			
16	2021		-	-	-	-			
	2022	\$	250,000,000	5.125%	9/22/2009	4/1/2022			
17		\$	5,500,000	7.530%	5/6/1993	5/5/2023			
	2023	\$	1,000,000	7.540%	5/7/1993	5/5/2023			
18		\$	7,000,000	7.180%	8/12/1993	8/11/2023			
	Total	\$	405,500,000						

These debt obligations originated as early as 1993 and their original terms were between 10 and 30 years. These maturing obligations represent 23 percent of the Company's long-term debt outstanding at the end of 2018, which is a significant portion of our capital structure. It will be necessary for Avista to be in a favorable financial position to complete

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the expected debt refunding under reasonable terms, while also obtaining debt and equity to fund capital expenditures each year.

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## Q. What are the Company's expected long-term debt issuances through 2023?

Has Avista considered recalling of debt to take advantage of current low

- 5 A. To provide adequate funding for the significant capital expenditures noted in 6 Section III above and to repay maturing long-term debt, we are forecasting the issuance of 7 long-term debt in each year through 2023. We plan to issue \$165 million in 2019. Issuances 8 planned for 2020 through 2023 are provided in Confidential Exh. MTT-5C.
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#### 10 long-term interest rates?

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A. Yes. However, the recall provisions of debt issued require penalties (makewhole provisions) that exceed the value gained from current market interest rates. As discussed later in my testimony, Avista has an Interest Rate Risk Management Plan for issuance of long-term debt that includes hedging a portion of future issuance through interest rate swaps.

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#### Are there other debt obligations that the Company must consider?

A. Yes. In addition to long-term debt, the Company's \$400 million revolving credit facility expires in April 2021. The Company relies on this credit facility to provide, among other things, funding to cover daily and month-to-month variations in cash flows, interim funding for capital expenditures, and credit support in the form of cash and letters of credit that are required for energy resources commitments and other contractual obligations. Our credit facility was amended in May 2016, which extended the expiration date to April 18, 2021, and reduced interest rates and fees. The Company expects to initiate the renewal or

replacement of the credit facility before the existing arrangement expires. Any outstanding balances borrowed under the revolving credit facility become due and payable when the facility expires. A strong financial position will be necessary to gain access to a new or renewed revolving credit facility, under reasonable terms, prior to expiration of the existing facility.

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#### V. PROPOSED CAPITAL STRUCTURE AND COST OF CAPITAL

### 8 Q. What capital structure and rate of return does the Company request in 9 this proceeding?

A. Our proposed capital structure is 50 percent debt and 50 percent equity, with a proposed cost of debt of 5.15 percent, a proposed 9.9 percent return on equity (ROE), and a requested overall rate of return (ROR) in this proceeding of 7.52 percent, as shown in Table No. 3 below.<sup>3</sup> The proposed capital structure for the Two-Year Rate Plan is calculated excluding short-term debt.

15 **Table No. 3** 

AVISTA CORPORATION							
	Proposed Cost of Capital						
		Proposed Structure	Component Cost	Weighted Cost			
Total Debt		50.0%	5.15%	2.57%			
Common Equity		50.0%	9.90%	4.95%			
	Total	100.0%		7.52%			

<sup>&</sup>lt;sup>3</sup> The calculations of the proposed capital structure (excluding short-term debt), cost of debt and overall cost of capital are provided with Exh. MTT-2. The calculation of the cost of debt includes \$100 million of short-term debt.

#### 0. Why is Avista proposing to exclude short-term debt from the capital structure calculation in this case?

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3 A. As explained by Mr. Vermillion and Ms. Andrews, the results from the electric 4 and natural gas Pro Forma Studies will not yield the rate relief necessary to provide the Company the opportunity to earn the proposed ROR requested in this case. One of the rate 5 6 making "tools" identified by this Commission that can be used to arrive at an end result that provides sufficient revenues is the use of an adjusted capital structure.<sup>4</sup> Both Idaho and 7 8 Oregon currently use this ratemaking tool of adjusting the capital structure by excluding short-9 term debt from the calculation. Avista's currently approved capital structure in Idaho and 10 Oregon includes 50 percent equity and 50 percent debt. In this case Avista is proposing a 11 similar adjustment to its capital structure, excluding short-term debt from the calculation. The 12 calculation of the proposed capital structure is provided at page 6 of Exh. MTT-2.

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#### Why is the Company planning to maintain an equity ratio at this level? 0.

14 A. Maintaining a 50 percent common equity ratio, excluding short-term debt, has 15 several benefits for customers. We are dependent on raising funds in capital markets 16 throughout all business cycles. These cycles include times of contraction and expansion. A 17 solid financial profile will assist us in accessing debt capital markets on reasonable terms in 18 both favorable financial markets and when there are disruptions in the financial markets.

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Additionally, this common equity ratio solidifies our current credit ratings and moves 20 us closer to our long-term goal of moving our corporate credit rating from BBB to BBB+. A

<sup>&</sup>lt;sup>4</sup> The WUTC acknowledged at page 181 of its Order 08 in Docket No. UE-111048 and UG-111049 of Puget Sound Energy's rate proceeding, the consideration of adjustments to rate base beyond the historical test period by stating they were open to considering "Use of plant accounts (rate base) measured at the end, or subsequent to the end of the test-year rather than the test-year average," and their openness to consider an "upward adjustment to the equity share in the capital structure." (emphasis added)

1 rating of BBB+ would be consistent with the natural gas and electric industry average, which 2 I will further explain later in my testimony. We rely on credit ratings in order to access capital 3 markets on reasonable terms. Moving further away from non-investment grade (BB+) 4 provides more stability for the Company, which is also beneficial for customers. We believe 5 the proposed 50 percent equity appropriately balances safety and economy for customers.

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#### Q. Did the Commission recently reject Avista's proposed 50 percent equity layer in its last general rate case?

8 A. Yes, but what is different than before is that Avista was downgraded by 9 Moody's Investors Service in December 2018. As I stated before, granting a higher equity 10 layer in this case could assist us in moving further away from non-investment grade. Further, 11 the Commission does not employ bright lines, even in this case. While the Commission stated 12 in Order 07 in our last general rate case that use of a hypothetical capital structure should be 13 reserved for financial hardship or access to capital market conditions, use of such a capital 14 structure is "not limited to" such conditions.

15 Q. Would acceptance of a hypothetical capital structure perhaps send a 16 positive signal to rating agencies, and put Avista perhaps on a path towards an upgrade? 17 A. I believe so. One of the conditions that led to the recent Moody's downgrade 18 was that the "Baa2 rating also looks at Avista's less predictable regulatory outcomes in 19 Washington, where the Company generates about 60% of its revenue. Although the state has 20 some credit supportive mechanisms, such as revenue decoupling, the use of historic test years 21 results in the need file general rate cases more frequently."<sup>5</sup> They later state that a "rating

<sup>&</sup>lt;sup>5</sup> Moody's Investors Service, "Moody's Downgrades Avista Corp. to Baa2, Outlook Stable", December 20, 2018, p. 1

upgrade could be considered with a demonstrated improvement in regulatory relationships."<sup>6</sup>
In our view, approval of a hypothetical capital structure, approval of the continuation of the
Decoupling Mechanisms (as discussed by Company witness Mr. Ehrbar), and inclusion of
more capital additions in rates would be helpful.

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# Q. How important is the regulatory environment in which the Company operates?

A. A key component of a continued long-term sound financial profile is the ability to receive timely recovery of capital additions and expenses, so the Company can earn its authorized return. When regulatory mechanisms do not respond to changing cost factors, the level of return can move substantially below the authorized level. This creates financial weakness and concern in financial markets about the long-term stability of the Company.

Both Moody's and S&P cite the regulatory environment in which a regulated utility operates as the dominant qualitative factor to determine a company's creditworthiness. Moody's rating methodology is based on four primary factors. Two of those factors – a utility's "regulatory framework" and its "ability to recover costs and earn returns" – make up 50 percent of Moody's rating methodology<sup>7</sup>.

17 S&P states the following<sup>8</sup>:

18 Regulation is the most critical aspect that underlies regulated integrated 19 utilities' creditworthiness. Regulatory decisions can profoundly affect 20 financial performance. Our assessment of the regulatory environments in 21 which a utility operates is guided by certain principles, most prominently 22 consistency and predictability, as well as efficiency and timeliness. For a 23 regulatory process to be considered supportive of credit quality, it must limit 24 uncertainty in the recovery of a utility's investment. They must also eliminate,

<sup>&</sup>lt;sup>6</sup> Moody's Investors Service, "Moody's Downgrades Avista Corp. to Baa2, Outlook Stable", Dec. 20, 2018, p. 2

<sup>&</sup>lt;sup>7</sup> Moody's Investors Service, Rating Methodology: Regulated Electric and Gas Utilities, June 23, 2017.

<sup>&</sup>lt;sup>8</sup> Standard and Poor's, Key Credit Factors: Business and Financial Risks in the Investor-owned Utility Industry, March 2010.

1 2 3 4	or at least greatly reduce, the issue of rate-case lag, especially when a utility engages in a sizable capital expenditure program. Because of the major capital expenditures planned by Avista and future maturities of						
5	long-term debt, a supportive regulatory environment is essential in maintaining our current						
6	credit rating. Language from Moody's Credit Opinion on Avista Corporation issued on						
7	December 21, 2018, emphasizes the need for timely recovery of costs in Washington: <sup>9</sup>						
8 9 10 11 12 13 14 15 16 17 18 19	the company has had a contentious regulatory relationship with the commission in recent history. Avista's February 2016 rate filing was rejected by the WUTC in December 2016, and the company's request for reconsideration of the decision was rejected by the commission in February 2017. This was a surprising outcome considering our view that a core competency of utility management is managing regulatory relationships, making an outright denial by the regulator unusual and unexpected. Since the WUTC is Avista's most important regulator, overseeing roughly 60% of the company's rate base and revenue generation, a strong regulatory relationship with the WUTC is important for adequate regulatory relief and for Avista's credit.						
20	Q. Is recent federal tax reform another reason by the Commission should						
21	approve the Company's proposed hypothetical capital structure?						
22	A. Yes. As Mr. McKenzie testifies to on behalf of the Company, Amendments						
23	to the tax code stemming from the Tax Cuts and Jobs Act ("TCJA") have served to reduce						
24	rates for customers, but they also have had detrimental implications for the credit standing of						
25	regulated utilities. By lowering the income tax allowance reflected in rates and requiring the						
26	eventual refund of excess accumulated deferred income taxes, the TCJA results in reduced						
27	cash flow and weaker credit metrics for utilities.						

<sup>&</sup>lt;sup>9</sup> Moody's Investors Service, Credit Opinion, "Avista Corp.: Update following downgrade to Baa2, outlook stable", December 21, 2018.

1	For example, Moody's initially revised its ratings outlook for 24 utilities from "stable"
2	to "negative," and one utility from "positive" to "stable," due to the potential impact of the
3	TCJA on cash flows and financial integrity. <sup>10</sup> As Moody's observed:
4 5 6 7 8 9 10	Investors-owned utilities' rates, revenue and profits are heavily regulated. The rate regulators allow utilities to charge customers based on a cost-plus model, with tax expense being one of the pass-through items. In practice, regulated utilities collect revenues from customers based on book tax expense but typically pay much less tax in cash. Under the new tax regime, utilities will collect less revenue associated with tax expenses and pay out more cash tax, squeezing its cash flows. <sup>11</sup>
11	Moody's noted that supportive regulatory actions, in the form of timely cost recovery and
12	constructive determinations regarding capital structure and ROE, would be important to stave
13	off deterioration in credit metrics and potential ratings downgrades. <sup>12</sup>
14	Similarly, S&P highlighted the potential negative financial consequences of the TCJA
15	for rate-regulated utilities:
16 17 18 19 20 21 22 23	The impact of tax reform on utilities is likely to be negative to varying degrees depending on a company's tax position going into 2018, how its regulators react, and how the company reacts in return. It is negative for credit quality because the combination of a lower tax rate and the loss of stimulus provisions related to bonus depreciation or full expensing of capital spending will create headwinds in operating cash-flow generation capabilities as customer rates are lowered in response to the new tax code <u>Regulators must also recognize that tax reform is a strain on utility credit quality, and we expect companies to</u>
24 25	request stronger capital structures and other means to offset some of the negative impact. <sup>13</sup>

<sup>&</sup>lt;sup>10</sup> Moody's Investors Service, Moody's changes outlooks on 25 US regulated utilities primarily impacted by tax reform, Ratings Action (Jan. 19, 2018).

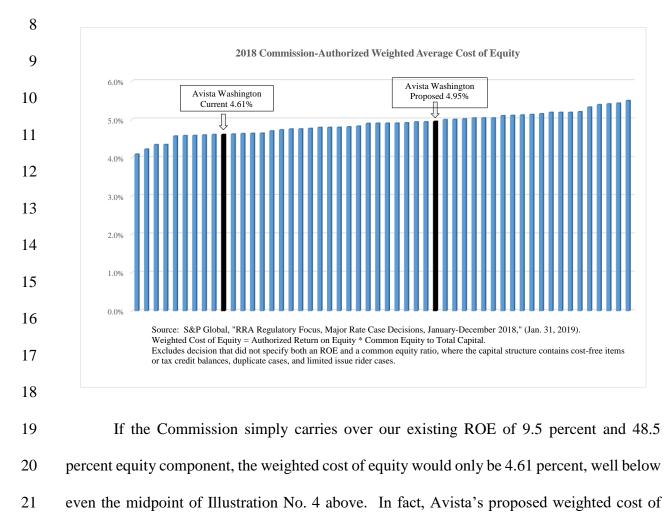
<sup>&</sup>lt;sup>11</sup> Moody's Investor Service, Tax reform is credit negative for sector, but impact varies by company, Sector Comment (Jan. 24, 2018).

<sup>&</sup>lt;sup>12</sup> Moody's Investors Service, Moody's changes outlooks on 25 US regulated utilities primarily impacted by tax reform, Ratings Action (Jan. 19, 2018).

<sup>&</sup>lt;sup>13</sup> S&P Global Ratings, U.S. Tax Reform: For Utilities' Credit Quality, Challenges Abound, RatingsDirect (Jan. 24, 2018) (emphasis added).

### Q. How does the Company's weighted average cost of equity compare to others natural gas utilities in the United States?

A. As shown in Illustration No. 4, Avista <u>proposed</u> weighted average cost of equity is in-line with other utilities <u>authorized</u> weighted average cost of equity, and that our present weighted average cost of equity is at the low end of actual, commission-authorized values:



#### 7 Illustration No. 4

22 equity puts very close to the midpoint.

Q. In attracting capital under reasonable terms, is it necessary to attract capital from both debt and equity investors?

2

3 A. Yes, it is absolutely essential. As a publicly traded company we have two 4 primary sources of external capital: debt and equity investors. As of December 31, 2018, we 5 had approximately \$3.6 billion of long-term debt and equity. Approximately half of our 6 capital structure is funded by debt holders, and the other half is funded by equity investors 7 and retained earnings. Rating agencies and potential debt investors place significant emphasis 8 on maintaining credit metrics and credit ratings that support access to debt capital markets 9 under reasonable terms. Leverage – or the extent that a company uses debt in lieu of equity 10 in its capital structure – is a key credit metric and, therefore, access to equity capital markets 11 is critically important to long-term debt investors. This emphasis on financial metrics and credit ratings is shared by equity investors who also focus on cash flows, capital structure and 12 13 liquidity, much like debt investors.

The level of common equity in our capital structure can have a direct impact on investors' decisions. A balanced capital structure allows us access to both debt and equity markets under reasonable terms, on a sustainable basis. Being able to choose among a variety of financing methods at any given time also allows the Company to take advantage of better choices that may prevail as the relative advantages of debt or equity markets can ebb and flow at different times.

20

#### Q. Are the debt and equity markets competitive markets?

A. Yes. Our ability to attract new capital, especially equity capital, under reasonable terms is dependent on our ability to offer a risk/reward opportunity that is equal to or better than investors' other alternatives. We are competing with not only other utilities but

1	also with businesses in other sectors of the economy. Demand for our stock supports our stock
2	price, which provides us the opportunity to issue additional shares under reasonable terms to
3	fund necessary capital investments.

#### О. What is Avista doing to attract equity investment?

5 We are requesting a capital structure that provides us the opportunity to have A. 6 financial metrics that offer a risk/reward proposition that is competitive and/or attractive for 7 equity holders. We have steadily increased our dividend for common shareholders over the 8 past several years, which is an essential element in providing a competitive risk/reward 9 opportunity for equity investors.

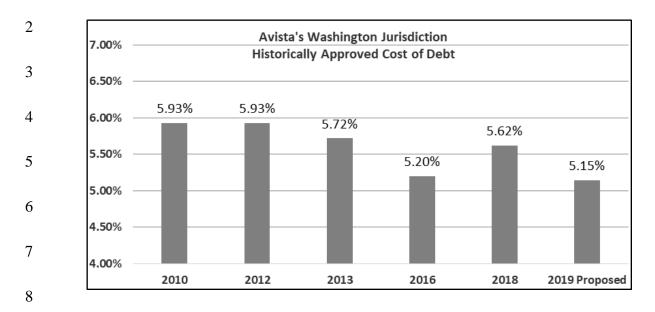
10 Tracking mechanisms, such as the Decoupling Mechanisms, the Energy Recovery 11 Mechanism and the Purchased Gas Adjustment approved by the regulatory commissions, help 12 balance the risk of owning and operating the business in a manner that places us in a position 13 to offer a risk/reward opportunity that is competitive with not only other utilities, but with 14 businesses in other sectors of the economy.

15

#### Q. What is the Company's overall proposed cost of debt, and how does it 16 compare to its historically-approved cost?

17 A. Our requested overall cost of debt is 5.15%. The authorized cost of debt has 18 trended downward for Avista from 2010 to 2016, with an uptick in 2018 due to low-cost debt 19 that rolled off in 2016, as shown in Illustration No. 5 below.





#### Q. Please explain why Avista's cost of long-term debt is trending down.

A. There has been a general decline in interest rates over the past decade. At the same time Avista has issued new debt to fund capital expenditures and to replace higher cost debt maturing, which has caused the Company's overall cost of debt to decrease. We have been prudently managing our interest rate risk in anticipation of these periodic debt issuances, which has involved fixed rate long-term debt with varying maturities, and executing forward starting interest rate swaps to mitigate interest rate risk on a portion of the future maturing debt and our overall forecasted debt issuances.

There is a decrease in the proposed cost of debt for 2019, as compared to 2018 authorized, due in part to the maturation of \$272.5 million of debt with an average coupon of 6.93% and an effective yield of 8.425% during 2018.

From 2014 through 2018 the Company issued \$800 million in long-term debt. The weighted average interest rate of these issuances is 4.11%. These issuances have varying maturities ranging from 30 years to 35 years. Our most recent issuance was funded on May

1 22, 2018. This issuance of \$375 million of first mortgage bonds with a thirty-year maturity 2 was completed at a coupon rate of 4.35%. On the same day as the debt was priced, \$275 3 million of interest rate swaps were settled. These swaps were entered into at various times in 4 accordance with the Company's Interest Rate Risk Management Plan (discussed in more 5 detail later in my testimony). The effective cost of this debt is 4.874%, including the issuance 6 costs and the cost of settled interest rate hedges. In May and June of 2018, we had debt 7 maturities that totaled \$272.5 million with average yield of approximately 8.42%. This reduced our overall cost of debt from 2018 to 2019 as shown in Illustration No. 5.<sup>14</sup> 8

9 We have continued to issue debt with varying maturities to balance the cost of debt 10 and the weighted average maturity. This practice has provided us with the ability to take 11 advantage of historically low rates. The Company's credit ratings have supported reasonable 12 demand for Avista debt by potential investors. We have further enhanced credit quality and 13 reduced interest cost by issuing debt that is secured by first mortgage bonds.

14

### Q. What is the Company doing to mitigate interest rate risk related to future

15 long-term debt issuances?

A. As mentioned earlier, we are forecasting \$405 million (system) in capital expenditures per year over the next five years. Additionally, we have \$405.5 million of debt maturing in a similar time frame. This results in a significant need for the issuance of longterm debt, while maintaining an appropriate capital structure.

<sup>&</sup>lt;sup>14</sup> As provided by Ms. Andrews in Exh. EMA-1T, the actual 2018 cost of debt on an average-monthly-average (AMA) basis, per Washington Commission Basis Reports filed with the Commission on April 26, 2019, was 5.38%. Additional forecasted issuances in September 2019 brings the total cost of debt down to the 5.15% proposed in this filing.

We usually rely on short-term debt as interim financing for capital expenditures, with issuances of long-term debt in larger transactions approximately once a year. As a result, we access long-term debt capital markets on limited occasions, so our exposure to prevailing long-term interest rates can occur all at once rather than across market cycles. To mitigate interest rate risks, we hedge interest rates for a portion of forecasted debt issuances over several years leading up to the date we anticipate each issuance.

We have continued to issue debt with varying maturities to balance the cost of debt
and the weighted average maturity. This practice has provided us with the ability to take
advantage of historically low rates on both the short end and long end of the yield curve.

10 There are a number of factors that should be taken into consideration in choosing the 11 term of new debt issuances. For example, in the current interest rate environment where the 12 interest rate spread for 30-year and 10-year terms is relatively narrow (i.e. presently there is a 13 low premium for 30-year debt versus 10-year debt), supports increased reliance on longer-14 term debt.

In addition, the average life of plant assets for Avista exceeds 30 years. A 30-year term for debt is a closer match to the average life of the underlying assets that are being financed. Decisions on the term of the debt are generally made closer to the time that new debt is issued. Based on information available today, although the Company will consider some amount of 10-year debt in 2019, the issuances will likely be heavily weighted toward a 30-year term, due in large part to the matching of the financing to the life of the assets being financed, and the narrow rate spread for 30-year vs 10-year terms.

The Company's credit ratings have supported reasonable demand for Avista debt by 2 potential investors. We have further enhanced credit quality and reduced interest cost by 3 issuing debt that is secured by first mortgage bonds.

4 О. Does the Company have guidelines regarding its interest rate risk 5 management?

6 Yes. The Company's "Interest Rate Risk Management Plan", attached as A. 7 Confidential Exh. MTT-3C, is designed to provide a certain level of stability to future cash 8 flows and the associated retail rates related to future interest rate variability. The Plan 9 provides guidelines for hedging a portion of interest rate risk with financial derivative 10 instruments. We settle these hedge transactions for cash simultaneously when a related new 11 fixed-rate debt issuance is priced in the market. The settlement proceeds (which may be 12 positive or negative) are amortized over the life of the new debt issuance.

13 The Interest Rate Risk Management Plan provides that hedge transactions are executed 14 solely to reduce interest rate uncertainty on future debt that is included in the Company's five-15 year forecast. The hedge transactions do not involve speculation about the movement of future 16 interest rates.

17

18

#### Has the Commission previously opined on the Company's Interest Rate **Q**. **Risk Management Plan?**

19 Yes. In the Company's last general rate case (Dockets UE-170485 and UG-A. 20 170486), Commission Staff witness Mr. McGuire took issue with the Company's interest rate 21 hedging practices, recommending that "certain hedging losses" should be eliminated from the

1	Company's cost of debt, in essence proposing a disallowance of certain hedges. <sup>15</sup> The					
2	Commission rejected Staff's proposal in Order 07, stating:					
3 4 5 6 7 8	We accept Mr. Thies' assertions that the Company adhered to its Interest Rate Risk Management Plan operational guidelines. Mr. Thies appropriately notes the Plan was finalized in 2013 after consultation with Staff and has been included as an appendix to his testimony in each GRC since that time, with hedging settlements being included as part of the cost of capital calculations. <sup>16</sup>					
9	Q. Did the Commission give guidance in as to how the Company should hedge					
10	interest rates in the future?					
11	A. Yes. In Order 07, the Commission agreed with Mr. McGuire that "the					
12	Company is expected to apply to its interest rate hedges the risk mitigation approach as					
13	provided in the March 2016 [natural gas] policy statement." <sup>17</sup>					
14	Q. Before discussing more recent changes to the Company's Interest Rate					
15	Risk Management Plan, were the hedges that are included in the Company's cost of debt					
16	in this filing consistent with the same hedging plan that the Company operated under in					
17	its last general rate case?					
18	A. Yes. The hedges included in this filing were entered into a manner that is					
19	consistent with the Company's Interest Rate Risk Management Plan in effect in Dockets UE-					
20	170485 and UG-170486 and were approved by the Commission. The Company has executed					
21	interest rate swaps, for purposes of reducing interest rate risk for our customers as early as					
22						
22	2004 and has been fully transparent in communicating its interest rate hedging activities. The					
22	2004 and has been fully transparent in communicating its interest rate hedging activities. The settlement values, either losses or gains, of the interest rate swaps have been clearly included					

<sup>&</sup>lt;sup>15</sup> Docket Nos. UE-170485 and UG-170486, Order 07, ¶90.
<sup>16</sup> Id. ¶91.
<sup>17</sup> Id. ¶92.

2

### Q. Has the Company made any recent changes to the Interest Rate Risk Management Plan?

3 A. Yes. After the issuance of the "Policy and Interpretive Statement on Local 4 Distribution Companies' Natural Gas Hedging Practices" (Policy Statement) in Docket G-5 132019 related to natural gas hedging, Avista has instituted natural gas risk responsive 6 hedging. As Company witness Ms. Morehouse discusses in Exh. JM-1T, on August 31, 2018, 7 the Company filed its 2018 Washington Natural Gas Hedge Report and Exhibits (Docket UG-8 180734) in accordance with the requirements of UG-132019. That report and associated 9 exhibits are provided as Exh. JM-3. Since the issuance of the Policy Statement, Avista 10 developed and tested a "Risk Responsive Hedging Tool" which integrates the use of Value at 11 Risk analysis for natural gas hedging purposes. As a direct result of that work on the natural 12 gas side, on January, 1, 2019, the Company added a Risk Responsive Hedging component to 13 its existing Interest Rate Risk Management Plan.

14 The interest rate Risk Responsive Hedging component employs Value at Risk (VaR) 15 calculations to further monitor and respond to dramatic interest rate volatility for unhedged 16 forecasted debt issuances. Risk Responsive Hedging is in effect for the two forward calendar 17 year's debt issuances. In conjunction with implementing this new component, the Company 18 reduced the Minimum Hedge Ratio for its existing Dynamic Window Hedging component to 19 40%. The Company believes that Risk Responsive Hedging is an additional protection for 20 customers against extreme market swings associated with the interest rate market. The 21 Company executed its first hedge under the newly implemented Interest Rate Risk 22 Management Plan in April 2019; however, this particular hedge was not a Risk Responsive 23 Hedge.

It is important to note that Avista only in the past five months has instituted risk responsive hedging in compliance with the Policy Statement. Within two months of deploying this on the natural gas side, similar risk responsive hedging analysis was deployed on the interest rate side. Up to that point, however, the Company was continuing to follow the thencurrent Interest Rate Risk Management Plan. The most current Interest Rate Risk Management Plan has been included as Exh. MTT-3.

7

8

### Q. Turning now to return on equity ("ROE"), the Company is requesting a 9.9 percent ROE. Please explain why the Company believes this is reasonable.

A. We agree with the analyses presented by Mr. McKenzie which demonstrate that the proposed 9.9 percent ROE,<sup>18</sup> together with the proposed equity layer of 50 percent, would properly balance safety and economy for customers, provide Avista with an opportunity to earn a fair and reasonable return, and provide access to capital markets under reasonable terms and on a sustainable basis. Please see the direct testimony of Mr. McKenzie for his support of a 9.9 percent ROE.

- 15
- 16

#### VI. CREDIT RATINGS

17

#### Q. Please describe Avista's credit facility.

A. We have a five-year credit facility in the amount of \$400 million with a maturity date of April 18, 2021. The credit facility involves participation by ten banks. This credit facility was originally established in 2011 and it was amended in April 2014 and extended in May 2016. Our credit facility provides the ability to take out or repay short-term

<sup>&</sup>lt;sup>18</sup> As stated by Mr. McKenzie, a 9.9 percent ROE is a conservative estimate of investors' required ROE for Avista.

1 debt based on day-to-day liquidity needs and to have letters of credit issued on the Company's 2 behalf. The Company pays fees under three price elements in the agreement: 1) a facility fee 3 to maintain the right to draw on the credit facility at any time, 2) interest on amounts borrowed, 4 and 3) fees for letters of credit.

5 The Company may request letters of credit (LCs) underwritten by the participating 6 banks and established for the benefit of counterparties to Avista. LCs are often used as 7 collateral when required for energy resources forward commitments, forward swap 8 transactions to hedge interest rate risk on future long-term debt, and other contractual or legal 9 requirements that involve the Company. The maximum amount available for LCs is \$200 10 million. The amount available for cash borrowing out of the overall \$400 million credit 11 facility is reduced by the amount of LCs outstanding. Table No. 4 below summarizes the rates 12 paid to maintain and use the credit facility.

13	<u>Table No. 4 – Credit Facility Fees</u>	<u>; (2014 S</u>	Second	Amendment	to t	he 2011	Avista
14	Corporation Credit Agreement)						

-1	_
1	J .

16	Pricing Level	Facility Fee	Eurodollar Margin (1)	ABR Margin (2)	LC Participation Fee	
17	I	0.075%	0.675%	0.000%	0.675%	
18	II	0.100%	0.775%	0.000%	0.775%	
19	ш	0.125%	0.875%	0.000%	0.875%	
19	IV	0.175%	0.950%	0.000%	0.950%	
20	V	0.200%	1.050%	0.050%	1.050%	
21	VI	0.250%	1.250%	0.250%	1.250%	
22	Borrowing may be either of two types of short-term loans at the Company's discretion:					
23	<ol> <li>Borrowing with a Eurodollar-based interest rate requires three days notice. Interest rate is based on the London interbank offered rate (LIBOR) plus a margin.</li> <li>Borrowing under the alternative borrowing rate (ABR) may be completed on the day</li> </ol>					
24	requested. ABR interest rate is the prime rate set by the administrative agent bank plus a margin.					

1 The Pricing Level and associated rates that we are charged is based upon our 2 underlying credit ratings as well as the security supporting the borrowings. Our current rates 3 are based upon Pricing Level III, which became effective in December 2018 based on the 4 Company's downgraded credit rating by Moody's. We achieve this Pricing Level by securing 5 the credit facility with First Mortgage Bonds. If we did not secure this credit facility with 6 First Mortgage Bonds, the costs would be based on Pricing Level IV, which would increase 7 costs to customers. There are also upfront costs paid for setting up the credit facility (i.e. legal 8 arrangement, bank commitments) that are amortized over the term of the credit facility.

9

О.

#### How important are credit ratings for Avista?

10 A. Utilities require ready access to capital markets in all types of economic 11 environments. The capital intensive nature of our business, with energy supply and delivery 12 dependent on long-term projects to fulfill our obligation to serve customers, necessitates the 13 ability to obtain funding from the financial markets under reasonable terms at regular 14 intervals. In order to have this ability, investors need to understand the risks related to any of 15 their investments. Financial commitments by our investors generally stretch for many years 16 - even decades - and the potential for volatility in costs (arising from energy commodities, 17 natural disasters and other causes) is a key concern to them. To help investors assess the 18 creditworthiness of a company, nationally recognized statistical rating organizations (rating agencies) developed their own standardized ratings scales, otherwise known as credit ratings. 19 20 These credit ratings indicate the creditworthiness of a company and assist investors in 21 determining if they want to invest in a company and its comparative level of risk compared to 22 other investment choices.

#### 23 Q. Please summarize the credit ratings for Avista.

A. Avista' credit ratings, assigned by Standard & Poor's (S&P) and Moody's
 Investor Service (Moody's) are as follows:

	S&P	Moody's
Senior Secured Debt	A-	A3
Senior Unsecured Debt	BBB	Baa2
Outlook	Stable	Stable

6 Additional information on our credit ratings has been provided on page 1 of Exh.7 MTT-2.

Please explain the implications of the credit ratings in terms of the

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**Q**.

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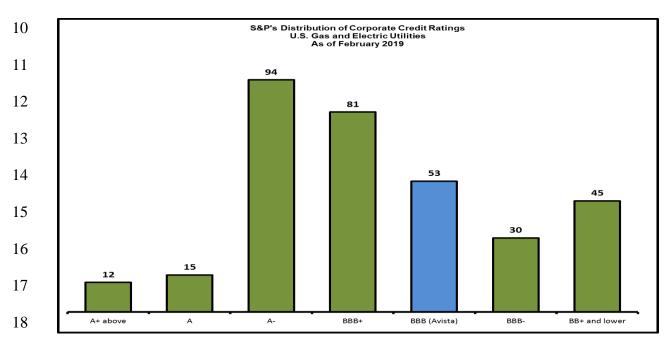
### Company's ability to access capital markets.

10 Credit ratings impact investor demand and expected returns. A. More 11 specifically, when we issue debt, the credit rating can affect the determination of the interest 12 rate at which the debt will be issued. The credit rating can also affect the type of investor who 13 will be interested in purchasing the debt. For each type of investment a potential investor 14 could make, the investor looks at the quality of that investment in terms of the risk they are 15 taking and the priority they would have for payment of principal and interest in the event that the organization experiences severe financial stress. Investment risks include, but are not 16 17 limited to, liquidity risk, market risk, operational risk, regulatory risk, and credit risk. These 18 risks are considered by S&P, Moody's and investors in assessing our creditworthiness.

In challenging credit markets, where investors are less likely to buy corporate bonds (as opposed to U.S. Government bonds), a stronger credit rating will attract more investors, and a weaker credit rating could reduce or eliminate the number of potential investors. Thus, weaker credit ratings may result in a company having more difficulty accessing capital markets and/or incurring higher costs when accessing capital.

#### Q. What credit rating does Avista believe is appropriate?

A. Avista's current S&P corporate credit rating is BBB. We believe operating at a corporate credit rating level (senior unsecured) of BBB gives us the ability to continue to attract investors and to achieve competitive debt pricing. Although a corporate credit rating of BBB is a strong investment-grade credit rating, we continue to target a credit rating of BBB+ which is comparable with other US utilities providing both electricity and natural gas. As shown in Illustration No. 6, credit ratings for U.S. Regulated Combined Gas and Electric Utilities are highly concentrated at A- or BBB+.



#### 9 <u>Illustration No. 6</u>

We expect that a continued focus on the regulated utility, conservative financing strategies and a supportive regulatory environment will contribute toward an upgrade to a BBB+ corporate credit rating for Avista. Operating with a BBB+ credit rating would likely attract additional investors, lower our debt pricing for future financings, and make us more competitive with other utilities. In addition, financially healthy utilities are better able to

- 1 invest in the required infrastructure over time to serve their customers, and to withstand the
- 2 challenges facing the industry and potential financial market disruptions.
- 3 Q. Does this conclude your pre-filed direct testimony?
- 4 A. Yes.