



Avista Corp.

1411 East Mission P.O. Box 3727
Spokane, Washington 99220-0500
Telephone 509-489-0500
Toll Free 800-727-9170

April 28, 2017

Steven V. King
Executive Director and Secretary
Washington Utilities and Transportation Commission
1300 S. Evergreen Park Drive, S.W.
PO Box 47250
Olympia, WA 98504-7250

RE: Avista's 2016 Affiliated Interest and Subsidiary Transactions Report

Dear Mr. King:

Pursuant to WAC 480-100-264 and WAC 480-90-264, the Company has electronically submitted the 2016 Affiliate Interest and Subsidiary Transaction Report. This report contains summaries of all transactions or agreements between Avista and its subsidiaries over the preceding year ending December 31, 2016.

Included within this report are the financial statements of certain Company subsidiaries. The filed statements are prepared for internal use only and are unaudited. Due to the consolidation process it may not be possible to reconcile line items to our publically issued financial statements. We have also included unaudited financial statements, statement of work and addendum to master software and licensing agreement with one of our affiliates, and a professional services agreements with one of our affiliates that we are requesting to be kept confidential for contractual terms and pricing reasons. Therefore, we request these documents be treated confidentially pursuant to WAC 480-07-160. These documents are stamped "CONFIDENTIAL per WAC 480-07-160."

Please direct any questions on this matter to Jennifer Smith at (509) 495-2098.

Sincerely,



Patrick Ehrbar
Senior Manager, Rates and Tariffs
pat.ehrbar@avistacorp

STATE OF WASHINGTON
AFFILIATED INTEREST AND SUBSIDIARY
TRANSACTIONS REPORT
OF
AVISTA CORPORATION
d/b/a AVISTA UTILITIES

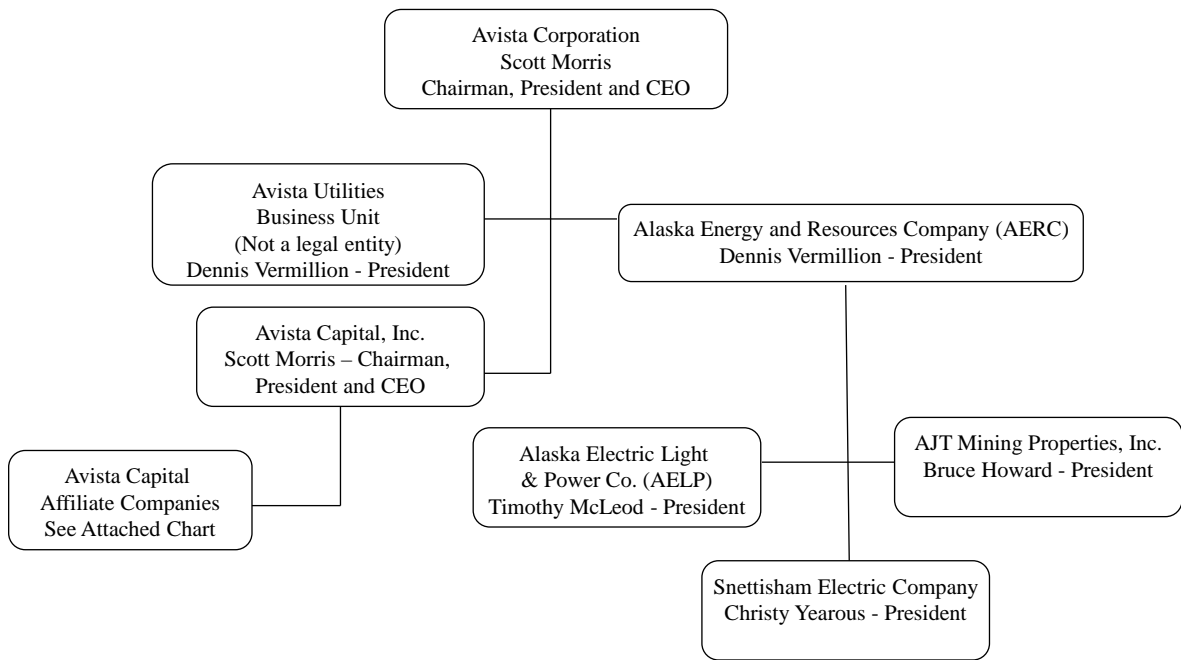
FOR THE YEAR ENDED DECEMBER 31, 2016

Pursuant to WAC 480-100-264 and WAC 480-90-264, “Affiliated Interest and Subsidiary Transactions Report”, the following report summarizes all transactions, except transactions provided at tariffed rates, that occurred between Avista Corporation (hereinafter Avista or Company) and its subsidiaries and affiliates. The Company operates in its service territories as Avista Utilities.

Avista Utilities is a combination utility that provides service to approximately 375,000 electric customers and 336,000 natural gas customers in a 30,000-square-mile area in eastern Washington, northern Idaho, and parts of southern and eastern Oregon, with a population of 1.6 million. The largest community served in the area is Spokane, Washington, which is the location of its main offices.

I. ORGANIZATION INFORMATION

1. Organizational Chart



Included in **Attachment 1** is additional detail of Avista Capital subsidiaries.

2. Directors and/or Officers

See **Attachment 2** for Officer and Director listings for Avista Corporation and all wholly owned subsidiaries.

3. Narrative Descriptions of Subsidiaries

Avista Capital, Inc., is a wholly owned subsidiary of Avista Corp. and is the parent corporation of Avista Corporation's non-regulated subsidiary investments and operations.¹ As of December 31, 2016, Avista Capital had the following non-utility subsidiary investments:

- **Avista Energy, Inc. and Avista Energy Canada, Ltd.** (100% ownership–Inactive), were energy marketing and resource management companies. On June 30, 2007, Avista completed the sale of the operations of Avista Energy to Coral Energy Holding, L.P., and certain of its subsidiaries, a subsidiary of Shell (Coral).
- **Avista Development, Inc.** (100% ownership-no employees, passive income) was established to manage real estate investments including:
 - * **Steam Plant Square, LLC** (85% ownership) Manages and operates the Steam Plant Square in Spokane, Washington.
 - **Steam Plant Brew Pub, LLC** (100% ownership) Manages and operates the Steam Plant Grill in Spokane, Washington.
 - * **Court Yard Office Center, LP** (100% ownership) Owns and operates commercial office space rentals.
- **Pentzer Corporation** is a wholly owned private investment company that serves as parent of the non-utility businesses listed below (100% ownership-no employees, passive income):
 - * **Advanced Manufacturing and Development, Inc., dba METALfx**, (89.2% ownership), located in Willits, California, is a manufacturer and turnkey assembler of electronic enclosures, parts, and systems primarily for the computer and instrumentation industries. This company is held by **Bay Area Manufacturing, Inc.** (100% ownership)
 - * **Pentzer Venture Holdings II, Inc.** (100% ownership) Holding company for an inactive sewage treatment plant near Spokane Industrial Park.
 - * **Avista Northwest Resources, LLC** (100% ownership) was formed for the purpose of holding unregulated investments in the energy industry.

¹ The only exceptions relate to Avista Receivables, Inc., a special purpose subsidiary formed in connection with the sale of accounts receivable, an entity directly owned by Avista Corp. In addition, Spokane Energy, LLC, was also a special purpose limited liability company formed for the purpose of implementing a long-term capacity contract between Avista Utilities and Portland General Electric Company until its dissolution in 2015. See page 3 for a further description of Spokane Energy, LLC.

- **Salix, Inc.** (100% ownership) was formed October 8, 2013, for the purpose of exploring business opportunities.

Alaska Energy & Resources Company (AERC), a wholly-owned subsidiary of Avista Corp, based in Juneau, Alaska and its subsidiaries were purchased July 1, 2014.

- **Alaska Electric Light & Power Co. (AEL&P)**, a wholly-owned subsidiary of AERC, which is a vertically integrated electric utility providing electric service to the City and Borough of Juneau, Alaska, and is regulated by the Regulatory Commission of Alaska (RCA).
- **AJT Mining Properties, Inc.**, a wholly-owned subsidiary of AERC which is an inactive mining company holding certain properties.
- **Snettisham Electric Company**, a non-operating subsidiary of AERC, has the option to purchase the Snettisham project at any time for the principal amount of the bonds outstanding at that time. The Snettisham hydroelectric project is AEL&P's primary generation facility and the main power source for Juneau, supplying approximately two-thirds of the area's electricity.

4. Narrative Descriptions of Affiliates

As of December 31, 2016, Avista Capital had the following affiliates:

- **Avista Development** (100% ownership by Avista Capital)
- **Pivotal Investment Partners I, L.P.** (30.34% ownership by Avista Northwest Resources, LLC)
- **EnerTech II** (2.24% ownership by Avista Development, Inc.)
- **Woodside IV** (3.56% ownership by Avista Development, Inc.)
- **Kick Start II LLC** (7.69% ownership by Avista Development, Inc.)
- **Matrix Genetics, LLC** (18.22% ownership by Avista Development, Inc.)
- **Trove Predictive Data Analytics, LLC** (32.33% ownership by Avista Development, Inc.)
- **Dragon Jacket, LLC** (5% ownership by Avista Development, Inc.)
- **Toolbox, LLC** (9.52% ownership by Avista Development, Inc.)
- **Spirae** (11.12% ownership by Avista Development, Inc.)
- **Energy Impact Fund** (11.25% ownership by Avista Development, Inc.)
- **Rohinni** (.81% ownership by Avista Development, Inc.)

As of December 31, 2016, Salix had the following affiliates:

- **Plum Energy** (24.80% ownership by Salix, Inc.)

II. TRANSACTIONS BETWEEN AVISTA AND SUBSIDIARIES AND AFFILIATES

1. Transactions with subsidiaries and affiliates totaling less than \$100,000 for the reporting period ended December 31, 2016:

Subsidiary/Affiliate Name	Account No.	Acct. Description	System Amount	Washington Amount
(3) Trove Predictive Data Analytics, LLC	165	Prepayments**	\$ 65,220	\$ -
(5) Alaska Energy & Resources Company	146	Accts Rec.	\$ 100	\$ -
(5) Alaska Electric Light & Power	146	Accts Rec.	\$ 34,016	\$ -
(5) Avista Capital, Inc	146	Accts Rec.	\$ 71,622	\$ -
(5) Avista Energy, Inc.	146	Accts Rec.	\$ 8,168	\$ -

2. Transactions with subsidiaries and affiliates totaling or exceeding \$100,000 for the reporting period ended December 31, 2016:

Subsidiary/Affiliate Name	Account No.	Acct. Description	System Amount	Washington Amount
(1) Avista Capital II (Trust)	427	Interest Exp.	\$ 817,499	\$ -
(5) Salix	146	Accts Rec.	\$ 767,092	\$ -
(4) Spirae, LLC	107	CWIP	\$ 200,000	\$ 200,000
(2) Steam Plant Square, LLC	107	CWIP	\$ 22,000	\$ 15,692
(2) Steam Plant Square, LLC	931	Rents	\$ 74,100	\$ 55,062
(2) Steam Plant Square, LLC	935	Maint. of Structure	\$ 2,000	\$ 1,570

See descriptions below, Section II. 2. (b), pages 5 through 7

(a) Financial Statements:

A Balance Sheet and Income Statement for the subsidiaries listed above whose transactions exceeded \$100,000 is included as **Attachment 3**. See descriptions below in section II.2 (b). Please note that Attachment 3 is CONFIDENTIAL PER WAC 480-07-160.

(b) Description of Services or Transactions:

(1) Avista Capital II (Trust) Expenses

In 1997, the Company issued Floating Rate Junior Subordinated Deferrable Interest Debentures, Series B, with principle amount of \$51.5 million to Avista Capital II, an affiliated business trust formed by the Company. Avista Capital II then issued to investors \$50.0 million of Preferred Trust Securities and also issued \$1.5 million of Common Trust Securities to the Company. In December 2000, the Company purchased \$10.0 million of the Preferred Trust

Securities. In the end, customers are paying for the \$40.0 million (\$51.5 - \$1.5 - \$10.0) of Floating Rate Junior Subordinated Deferrable Interest Debentures (debt). The current interest rate on this debt is 2.062% and matures June 1, 2037. The associated interest charges for the trust carried on Avista's books for 2016 totaled \$817,499 and were recorded in FERC Account No. 427 (interest expense). There are no other costs associated with this trust.

(2) Steam Plant Square, LLC Lease

Avista Utilities leases office space (two leases under separate Multi-Tenant Lease Agreements) from Steam Plant Square, LLC. For the first lease (suite 201/202), Avista Corporation assumed a lease in May 2003 from Avista Capital, Inc. that was renewed May 1, 2010. The basic terms of this lease (i.e. square footage, monthly rents, etc.) remained the same. A copy of the lease agreement was provided to the Commission in Docket No. UE-110067. Lease payments for this space during 2016 was recorded to FERC Account No. 931 (Rents) in the amount of \$74,100.

The second space was leased in August 2010 (suites 211). A copy of the lease agreement was provided to the Commission in Docket No. UE-101859. Payments associated with this lease were recorded in 2016 in the amount of \$22,000 in FERC Account No. 107 (CWIP) and \$2,000 in FERC Account No. 935 (Maint of Structure). This lease was replaced effective January 1, 2016 by a new lease with essentially the same contract terms, but for a more limited space requirement². The terms of this lease has decreased from three spaces to one space (suite 211) and the monthly expense has decreased from \$6,267 to \$2,000 per month.

(3) Trove Predictive Data Analytics, LLC

In September 2012, Avista Development, Inc., a wholly-owned subsidiary of Avista loaned funds to GridGlo, Inc., a predictive data science company based in Del Ray, FL. In addition to customary considerations for the secured loan, Avista Development received certain rights to discounted services from GridGlo, the benefit of which was assigned to Avista Utilities. Avista Utilities and GridGlo subsequently entered into a Master Software License and Services Agreement, effective on June 26, 2013.

² On April 26, 2016, Avista filed a copy of the new lease with the Commission. As stated in that letter, the only change between the old lease and the new lease a reduction in space and amount of rent.

GridGlo was unable to repay its loans when due in March 2014. Avista Development, GridGlo and another secured lender entered into a forbearance and temporary funding agreement for the purpose of exploring mutually satisfactory ways to restructure GridGlo in satisfaction of the debts. The parties agreed to a restructuring of GridGlo such that the lenders, joined by another investor, acquired all of the assets and select liabilities of GridGlo via new limited liability corporation named Trove Predictive Data Analytics, LLC (“Trove”). The GridGlo contract with Avista Utilities was among the assets transferred as of the date the transaction closed, October 28, 2014.

Trove is a Predictive Data Science business that develops software applications for the utility industry. The foundation of its technology is the application platform “Sunstone”, which is a predictive data science and analytics platform. It utilizes utility and non-utility data fused with third party data (i.e., demographic, weather, etc) to produce actionable insights into how to improve efficiency in utility operations and customer service.

Since the restructuring transaction on October 28, 2014, Avista Development has made staged equity payments and held Class A equity units in Trove equal to 32.33% on a fully diluted basis as of December 31, 2016.

The rights to discounted services assigned to Avista Utilities upon the restructuring completed October 28, 2014, included a Statement of Work, signed June 17, 2014. This Statement of Work included the development, delivery and integration of a platform related to a load forecasting application.

The terms of this Statement of Work included a fixed fee for the integration of the product in the amount of \$300,000. This work was complete, and expensed, during 2014. Additionally, the agreement included payment of annual fees for maintenance and support for 2015 and 2016 for \$35,000 per year, and third party data access fees in the amount of \$25,000 for January 1, 2014 through June 30, 2015 and July 1, 2015 through December 31, 2016. Please refer to **Attachment 4** for the GridGlo Statement of Work.³

On October 13, 2016, the Company entered into to an addendum to the Master Software License and Services Agreement (MSLSA), between Avista Corporation and GridGlo, LLC,

³ Prior to October 28, 2014, Avista Development had no ownership in GridGlo or Trove Predictive Data Analytics, LLC, and GridGlo and Trove were therefore not an Affiliate. This information was previously provided in Avista’s Affiliated Interest and Subsidiary Transaction Report for the year ended December 31, 2014.

d/b/a TROVE. Under the terms of the Addendum, Avista has engaged Trove to upgrade the current platform and provide additional training, software development, software upgrades and data science consulting services. The data science consulting services will consist of software development by Trove Data Scientist to develop algorithms with their platform to analyze our data. Under the terms of the Addendum, Trove will configure the ‘Predictive Analytics’ module of TROVE’s Sunstone platform, which includes a Customer Segmentation data. We will utilize Trove professional services for data science consulting services throughout 2017 with a not to exceed of \$75,000. Please refer to **Attachment 5** for the Trove Addendum.

Avista has not yet fully developed the data sets that will be used with the Trove platform to provide these operational efficiencies or benefits to our customers. Until applications are more fully developed, Avista is charging these costs to non-utility.

(3) Spirae, LLC

In April of 2016 Avista Capital, a wholly-owned subsidiary of Avista Corp., and the parent corporation of Avista’s non-regulated subsidiary investments and operations, made an investment in Spirae, resulting in Avista Development’s 10% ownership of Spirae.

Spirae is a technology company that provides software, hardware, and services to connect distributed energy resources to a utility distribution system to maximize customer benefits while ensuring effective operation of the utility distribution system. Spirae was awarded a Professional Services Agreement to deploy their “Wave” product hardware and software, to allow Avista to operate the Turner Energy Storage Project in a microgrid, as well as determine the optimal economic application of that asset.

The offerings of Spirae provide for the effective operation of a microgrid, a subset of a utility distribution system, in the event of a utility system disturbance or isolation from the larger grid. Spirae assists utilities in delivering new services to customers as well as to operate more efficiently. With new Distributed Energy Resources (DER) technologies becoming both technically and financially viable, the ability to manage a dynamic portfolio of distributed resources for utility, customer, and market applications will be critical for both utilities and consumers. This capability improves reliability for customers and improves resiliency of the grid. Spirae’s business focus and business model relate to the development of new products,

services, and technologies, and how those items can help integrate DER into the traditional grid.

On September 6, 2016, Avista Corp entered into a Professional Services Agreement with Spirae. Under the terms of the agreement, Spirae will deploy at Avista its “Wave” application for fees not to exceed \$778,000. The Wave application is an enterprise application which is designed to operate distributed energy resources to optimize their economic value. The Wave product is designed to determine both day-ahead and real-time forecasts to derive the operational schedule for the distributed energy resource. A copy of the Professional Services Agreement was provided to the Commission in Docket No. UE-161056. Please refer to **Attachment 6** for the Spirae Professional Services Agreement.⁴

(5) Non-Service Transactions Related to Avista Capital, Avista Development, Avista Energy, Salix, AEL&P, and AERC

Avista Corporation Corporate Services:

On a regular basis, general office employees of Avista Corporation spend time on corporate service support, such as accounting, federal income tax filing, planning, supplies, postage, legal, graphic services, etc. for subsidiaries. Their time is charged to suspense accounts (Deferred Debit Account No. 186), are loaded for benefits, and then established as a receivable (FERC Account No. 146) when billed to the subsidiary. If other resources are expended during the course of this work, such as travel or consulting services, these costs are also charged to suspense accounts and billed to the subsidiary.

All corporate services provided, and costs incurred, are direct billed to subsidiaries at cost. No additional margin or profit is included and no assets are allocated. Suspense and capture of Avista Corporation employee costs, which are then billed back to the subsidiary at cost, serve to reduce the utility expenses.

(c) Description of pricing basis or costing method for allocating costs, and amounts and accounts charged during the year:

⁴ Prior to April 2016, Avista Development had no ownership in Spirae, LLC, and Spirae was therefore not an Affiliate.

Please see the individual descriptions in Section II. 2, pages 5 through 7. Services are provided at cost. Any charges allocated to Washington are allocated based on the Company's four-factor allocation methodology. (Please refer to **Attachment 7** for the allocation factors.)

(d) Inter-Company Loans:

• **Avista Corp / Avista Capital Note Payable / Receivable**

During 2016, Avista Corp. recorded short-term note payable to Avista Capital, Inc. The year-end note payable amount at December 31, 2016 was \$5,634,684. The maximum note payable amount outstanding during the year, due to Avista Capital, was \$21,334,614 at January 31, 2016. Total interest expense in 2016 was \$131,612.

According to the Cash Management Guidelines and Procedures filed with the Commission in April of 2011, investment/borrowing rates between Avista Corporation and Avista Capital that were in effect during 2016 were:

- a. Upon receiving appropriate approvals, excess Avista Capital cash may be invested with (loaned to) Avista Corp. at a rate equal to Avista Corp.'s avoided short-term borrowing cost currently estimated at the one-month LIBOR plus 130 basis points (this is the short-term borrowing rate related to Avista Corp.'s credit facility). The rate will be reset monthly with the LIBOR rate in effect on the second business day of each month.

At times Avista Corp may have no outstanding borrowings under the credit facility. If there are no outstanding borrowings under the credit facility, excess cash should be utilized to pay down borrowings on other short-term borrowing instruments (if any) and the borrowing rate should be adjusted to the avoided short-term borrowing rate applicable to the borrowings that were re-paid.

At times, Avista Corp may have no outstanding cash borrowings on the credit facility or other short-term borrowing facilities. If there are no cash borrowings under any facility, excess cash should be invested at the subsidiary until the funds can be utilized.

- b. Avista Capital may borrow from Avista Corp., subject to board-approved limits, at a rate equal to at least the Prime rate plus 30 basis points. This rate will be reset at such time as the Agent bank on the Avista Corp. credit agreement changes the Prime rate or the margin is changed per the credit facility pricing grid. If an Alternate Base Rate (as defined in the credit facility) is in effect, the borrowing rate would be adjusted accordingly.

(e) Description of Parent Guaranteed Debt:

Avista Corporation does not guarantee debt of its subsidiaries. See Section III. Miscellaneous Agreements.

(f) Description of Activities of Subsidiaries:

See Section I. 3 on pages 2 through 3.

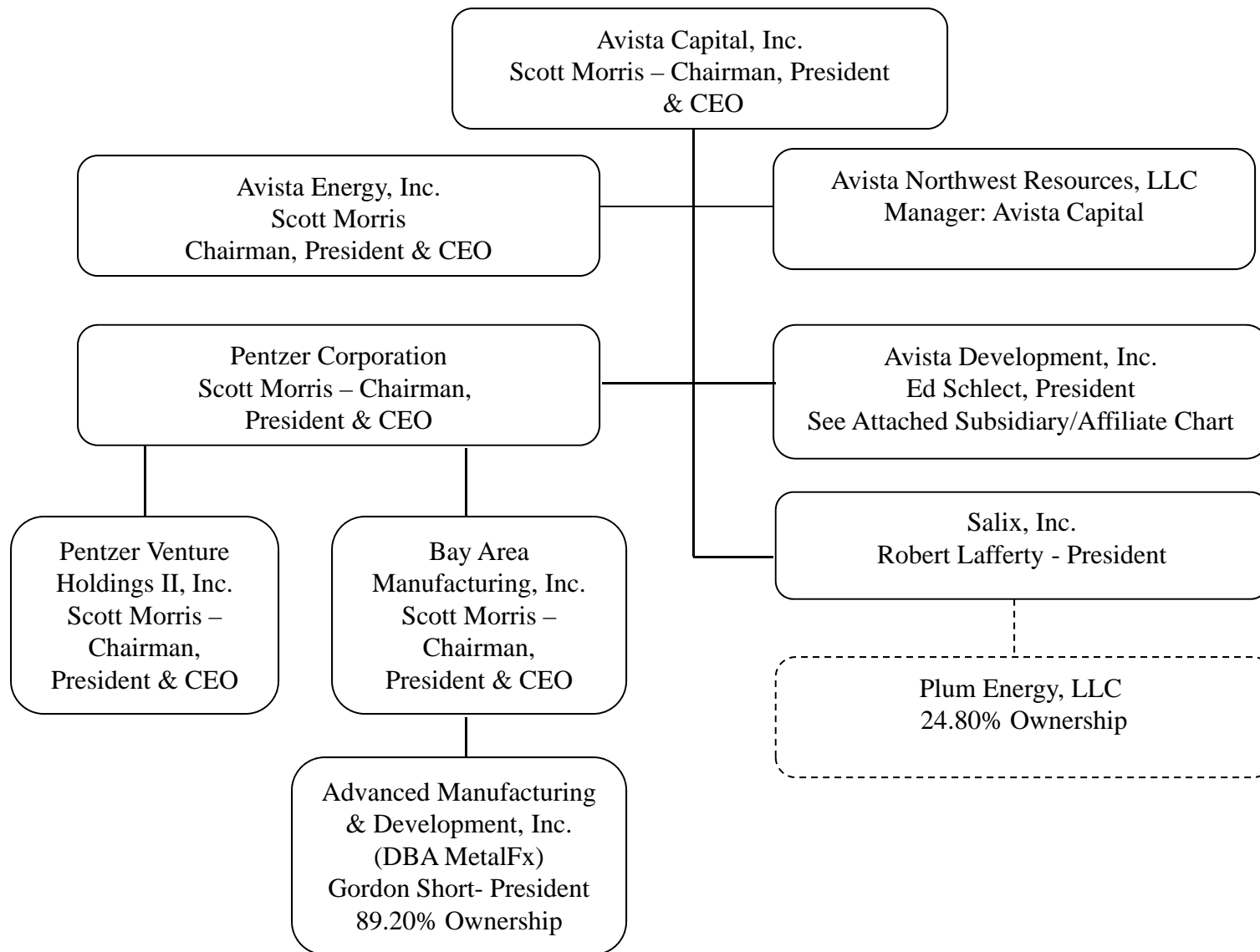
(g) List of all common officers and directors:

See Section I. 2 at page 1.

III. MISCELLANEOUS AGREEMENTS AND TRANSACTIONS

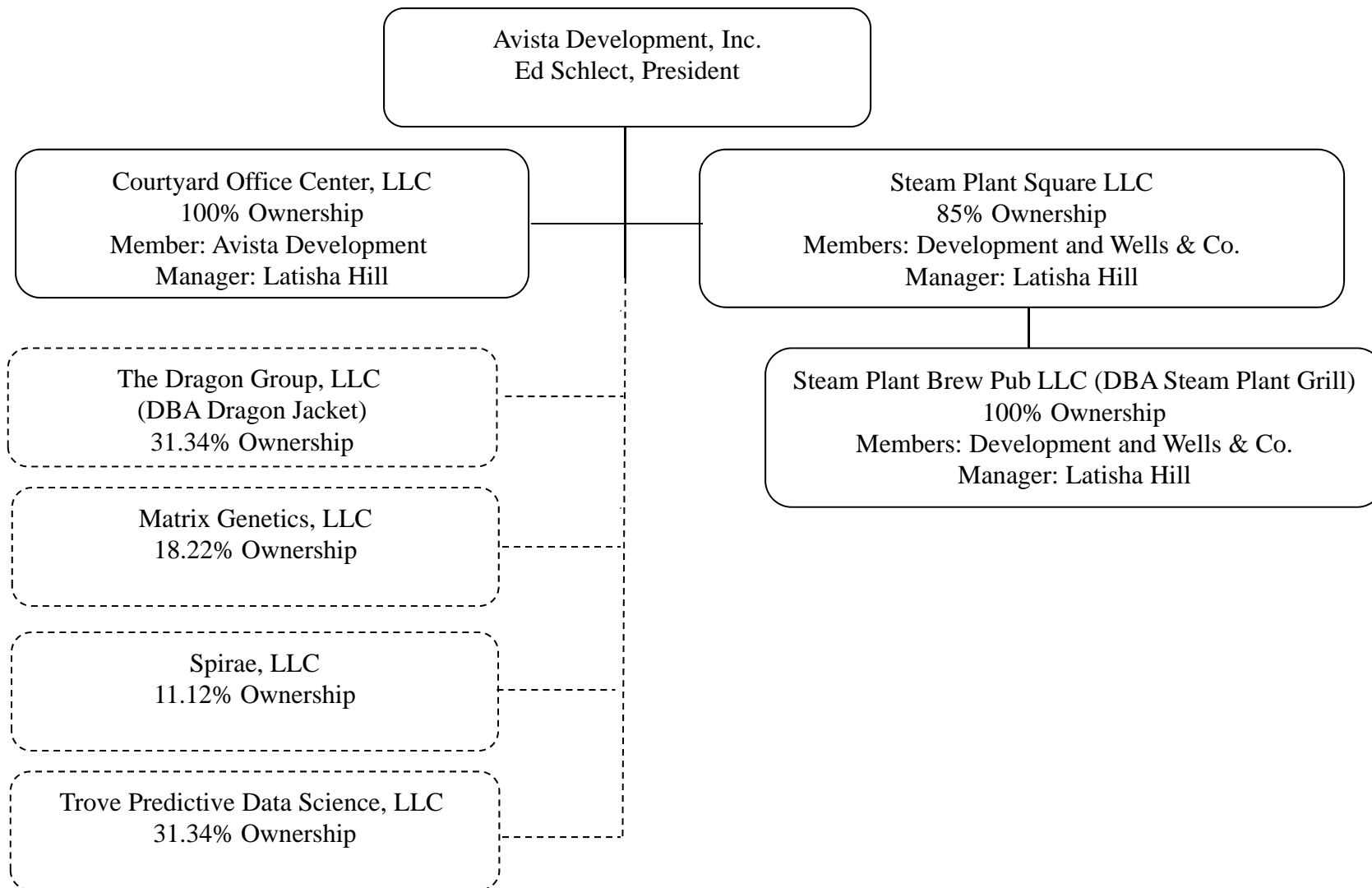
During 2016 there were no Miscellaneous Agreements or Transactions to report.

ATTACHMENT 1



Companies are wholly owned unless otherwise indicated. Companies in dotted lines are affiliates in which we own greater than 5% non-controlling interest. This chart does not include limited partnership investment funds.

Revised 3/15/2017



Companies in dotted lines are affiliates in which we own greater than 5% non-controlling interest. This chart does not include limited partnership investment funds.

Revised 3/15/2017

ATTACHMENT 2



Corporate Secretary Department
Current as of February 3, 2017

Annual Meeting Held in May of Each Year

Directors:

Erik J. Anderson	Scott L. Morris
Kristianne Blake	Marc F. Racicot
Donald C. Burke	Heidi B. Stanley
John F. Kelly	R. John Taylor
Rebecca (Becky) A. Klein	Janet D. Widmann
Scott H. Maw	

Officers:

Scott L. Morris	Chairman of the Board, President & Chief Executive Officer
Mark T. Thies	Senior Vice President, Chief Financial Officer & Treasurer
Marian M. Durkin	Senior Vice President, General Counsel, Corporate Secretary and Chief Compliance Officer
Karen S. Feltes	Senior Vice President & Chief HR Officer
Dennis P. Vermillion	Senior Vice President & Environmental Compliance Officer and President, Avista Utilities
Jason R. Thackston	Senior Vice President, Energy Resources
Kevin J. Christie	Vice President, Customer Solutions
James M. Kensok	Vice President, Chief Information Officer & Chief Security Officer
Ryan L. Krasselt	Vice President, Controller & Principal Accounting Officer
David J. Meyer	Vice President & Chief Counsel for Regulatory & Governmental Affairs
Kelly O. Norwood	Vice President, State & Federal Regulation
Heather L. Rosentrater	Vice President, Energy Delivery
Edward D. Schlect Jr.	Vice President & Chief Strategy Officer
Don M. Falkner	Assistant Treasurer
Patrice K. Gorton	Assistant Treasurer
Susan Y. Fleming	Assistant Corporate Secretary

Corporate Governance/

Nominating Committee

Kristianne Blake
Donald C. Burke
R. John Taylor
John F. Kelly – Chair

**Compensation & Organization
Committee**

John F. Kelly
Rebecca A. Klein
Scott H. Maw
R. John Taylor – Chair

Executive Committee

Kristianne Blake
John F. Kelly
R. John Taylor
Scott L. Morris – Chair

Finance Committee

Scott H. Maw
Marc F. Racicot
Janet D. Widmann
Erik J. Anderson – Chair

Audit Committee

Donald C. Burke (financial expert)
Heidi B. Stanley
Kristianne Blake – Chair

**Environmental, Technology &
Operations Committee**

Erik J. Anderson
Marc F. Racicot
Janet D. Widmann
Rebecca A. Klein – Chair

All Committees are comprised of independent Board members as defined under the rules of the NYSE, with the exception of the Executive Committee (not required to be independent). The Company was formed as The Washington Water Power Company in 1889 and changed its name to Avista Corp. on January 1, 1999.

ADVANCED MANUFACTURING & DEVELOPMENT, INC.

Doing business as METAL_{fx}

(A Subsidiary of Bay Area Manufacturing, Inc.)

(A California Corporation)

200 North Lenore Ave.

Willits, CA 95490

(707) 459-9451

Directors:

Marian M. Durkin

Scott L. Morris

Mark T. Thies

Officers:

Scott L. Morris

Gordon B. Short

Ryan L. Krasselt

Mark T. Thies

Marian M. Durkin

Susan Y. Fleming

Jill Porterfield

Chairman of the Board

President & Chief Executive Officer

Vice President & Treasurer

Senior Vice President & Chief Financial Officer

Senior Vice President & Corporate Secretary

Assistant Corporate Secretary

Assistant Corporate Secretary

AJT MINING PROPERTIES, INC.

(A Subsidiary of Alaska Energy and Resources Company)

5601 Tongard Ct.

Juneau, AK 99801

(907) 790-2222

Directors:

Marian M. Durkin

Karen S. Feltes

Mark T. Thies

Dennis P. Vermillion

Officers:

Dennis P. Vermillion Chairman of the Board

Bruce Howard President

Connie Hulbert Treasurer and Assistant Corporate Secretary

Christy Yearous Vice President and Generation Engineer

Debbie Driscoll Corporate Secretary

ALASKA ELECTRIC LIGHT AND POWER COMPANY

(A Subsidiary of Alaska Energy and Resources Company)

5601 Tonsgard Ct.

Juneau, AK 99801

(907) 790-2222

Directors:

Marian M. Durkin

Karen S. Feltes

Timothy McLeod

Mark T. Thies

Dennis P. Vermillion

Officers:

Dennis P. Vermillion	Chairman of the Board
Timothy McLeod	President
Connie Hulbert	Vice President, Treasurer & Corporate Secretary
Christy Yearous	Vice President, Generation Engineer
Debbie Driscoll	Vice President, Director of Consumer Affairs and Assistant Corporate Secretary
Eric Eriksen	Vice President, Transmission and Distribution Engineer
Rod Ahlbrandt	Vice President, Director of Information Technology and Revenue Metering
Alec Mesdag	Vice President, Director of Energy Services
Catherine Johnson	Assistant Treasurer
Oksana Midgett	Assistant Treasurer, Controller
Bryan Farrell	Assistant Treasurer, Assistant Generation Engineer Mechanical
Darrell Wetherall	Assistant Corporate Secretary, Assistant Transmission and Distribution Engineer
Stuart Stephens	Assistant Corporate Secretary, Assistant Director of Information Technology and Revenue Metering

ALASKA ENERGY AND RESOURCES COMPANY

(A Subsidiary of Avista Corp.)

5601 Tonsgard Ct.

Juneau, AK 99801

(907) 790-2222

Directors:

Marian M. Durkin

Karen S. Feltes

Scott L. Morris

Mark T. Thies

Dennis P. Vermillion

Officers:

Scott L. Morris

Chairman of the Board

Dennis P. Vermillion

President

Timothy McLeod

Vice President

Connie Hulbert

Treasurer

Marian M. Durkin

Corporate Secretary

Susan Y. Fleming

Assistant Corporate Secretary

Debbie Driscoll

Assistant Corporate Secretary

Current as of May 13, 2016

AVISTA CAPITAL, INC.

(A Subsidiary of Avista Corporation)

1411 E. Mission Ave.

Spokane, WA 99202

(509) 489-0500

Directors:

Marian M. Durkin

Scott L. Morris

Mark T. Thies

Officers:

Scott L. Morris

Mark T. Thies

Marian M. Durkin

Ryan L. Krasselt

Susan Y. Fleming

Don M. Falkner

Chairman of the Board, President & CEO

Senior Vice President, Chief Financial Officer & Treasurer

Senior Vice President & Corporate Secretary

Vice President

Assistant Corporate Secretary

Assistant Treasurer

The Company was formed as Avista Corp. before changing its name to Avista Capital on August 17, 1998.

AVISTA DEVELOPMENT, INC.

(A Subsidiary of Avista Capital, Inc.)

1411 E. Mission Ave.

Spokane, WA 99202

(509) 489-0500

Directors:

Marian M. Durkin

Scott L. Morris

Mark T. Thies

Officers:

Scott L. Morris

Chairman of the Board and CEO

Edward D. Schlect Jr.

President

Mark T. Thies

Senior Vice President, Chief Financial Officer & Treasurer

Marian M. Durkin

Senior Vice President & Corporate Secretary

Dennis P. Vermillion

Senior Vice President & Environmental Compliance Officer

Latisha Hill

Senior Vice President

Susan Y. Fleming

Assistant Corporate Secretary

Don M. Falkner

Assistant Treasurer

The Company was formed as WP Finance Co. before changing its name to Avista Development. Pentzer Development, Inc. and Washington Irrigation & Development Company merged with and into Avista Development in October 1998.

Current as of May 13, 2016

AVISTA ENERGY, INC.

(A Subsidiary of Avista Capital, Inc.)

1411 E. Mission Ave.

Spokane WA 99202

(509) 489-0500

Directors:

Marian M. Durkin

Scott L. Morris

Mark T. Thies

Officers:

Scott L. Morris

Chairman of the Board, President & CEO

Mark T. Thies

Senior Vice President, Chief Financial Officer & Treasurer

Marian M. Durkin

Senior Vice President & Corporate Secretary

Tracy Van Orden

Controller

Susan Y. Fleming

Assistant Corporate Secretary

Don M. Falkner

Assistant Treasurer

The Company was formed as WWP Resource Services, Inc., before becoming Avista Energy.

AVISTA NORTHWEST RESOURCES, LLC

(An Affiliate of Avista Capital)

1411 E. Mission Ave.

Spokane, WA 99202

(509) 489-0500

Member:

Avista Capital

Officers (Managers):

Scott L. Morris

President & Chief Executive Officer

Mark T. Thies

Senior Vice President & Chief Financial Officer

Ryan L. Krasselt

Vice President & Treasurer

Marian M. Durkin

Senior Vice President & Corporate Secretary

Susan Y. Fleming

Assistant Corporate Secretary

Most of our LLC's do not have officers. This particular one was formed with officers as the managers.

Current as of May 13, 2016

BAY AREA MANUFACTURING, INC.

(A Subsidiary of Pentzer Corporation)

1411 E. Mission Ave.

Spokane, WA 99202

(509) 489-0500

Directors:

Marian M. Durkin

Scott L. Morris

Mark T. Thies

Officers:

Scott L. Morris

Mark T. Thies

Marian M. Durkin

Susan Y. Fleming

Don M. Falkner

Chairman, President & Chief Executive Officer

Senior Vice President, Chief Financial Officer & Treasurer

Senior Vice President & Corporate Secretary

Assistant Corporate Secretary

Assistant Treasurer

Current as of August 1, 2016

COURTYARD OFFICE CENTER, LLC

(An Affiliate of Avista Capital, Inc.)

1411 E. Mission Ave.

Spokane, WA 99202

(509) 489-0500

Member:

Avista Development, Inc.

Manager

Latisha Hill

PENTZER CORPORATION

(A Subsidiary of Avista Capital, Inc.)

1411 E. Mission Ave.

Spokane, WA 99202

(509) 489-0500

Directors:

Scott L. Morris

Mark T. Thies

Jason Thackston

Officers:

Scott L. Morris

Mark T. Thies

Marian M. Durkin

Susan Y. Fleming

Don M. Falkner

Chairman, President & Chief Executive Officer

Senior Vice President, Chief Financial Officer & Treasurer

Senior Vice President & Corporate Secretary

Assistant Corporate Secretary

Assistant Treasurer

PENTZER VENTURE HOLDINGS II

(A Subsidiary of Pentzer Corporation)

1411 E. Mission Ave.

Spokane, WA 99202

(509) 489-0500

Directors:

Scott L. Morris

Mark T. Thies

Jason R. Thackston

Officers:

Scott L. Morris

Mark T. Thies

Marian M. Durkin

Susan Y. Fleming

Don M. Falkner

Chairman, President & Chief Executive Officer

Senior Vice President, Chief Financial Officer & Treasurer

Senior Vice President & Corporate Secretary

Assistant Corporate Secretary

Assistant Treasurer

SALIX, INC.

(A Subsidiary of Avista Capital)

1411 E. Mission Ave.

Spokane, WA 99202

(509) 489-0500

Directors:

Marian M. Durkin

Scott L. Morris

Edward D. Schlect Jr

Mark T. Thies

Dennis P. Vermillion

Officers:

Robert J. Lafferty

Mark T. Thies

Marian M. Durkin

Susan Y. Fleming

President

Treasurer

Corporate Secretary

Assistant Corporate Secretary

SNETTISHAM ELECTRIC COMPANY

(A Subsidiary of Alaska Energy and Resources Company)

5601 Tonsgard Ct.

Juneau, AK 99801

(907) 780-2222

Directors:

Eric Eriksen

Timothy McLeod

Jason Thackston

Officers:

Christy Yearous

President

Timothy McLeod

Vice President

Eric Eriksen

Treasurer

Debbie Driscoll

Corporate Secretary

Connie Hulbert

Assistant Corporate Secretary

Current as of August 1, 2016

STEAM PLANT BREW PUB, LLC
Doing Business as Steam Plant Grill
(An Affiliate of Steam Plant Square, LLC)
1411 E. Mission Ave.
Spokane, WA 99202
(509) 489-0500

Members:

Avista Development, Inc.
Wells & Co.

Manager

Latisha Hill

Current as of August 1, 2016

STEAM PLANT SQUARE, LLC
(An Affiliate of Avista Capital, Inc.)
1411 E. Mission Ave.
Spokane, WA 99202
(509) 489-0500

Members:
Avista Development, Inc.
Wells & Co.

Manager
Latisha Hill

ATTACHMENT 3

REDACTED

ATTACHMENT 4

REDACTED

**STATEMENT OF WORK TO THE
MASTER SOFTWARE LICENSE AND SERVICES AGREEMENT**

Originally Signed: June 26, 2013
Revised and Restated: April __, 2014

REDACTED

REDACTED

REDACTED

REDACTED

REDACTED

REDACTED

T E R M S A N D C O N D I T I O N S

REDACTED

REDACTED

REDACTED

REDACTED

Sunstone and Blue Cube or equivalent	Feature 2	2.1.2	11/11/2012	02/02/2014
--------------------------------------	-----------	-------	------------	------------

REDACTED

REDACTED

REDACTED

REDACTED

REDACTED

REDACTED

ATTACHMENT 5

REDACTED



Addendum No. 2
to
Avista Contract No. R-39421
Master Software License and Services Agreement
between
Avista Corporation (“Avista”)
and
TROVE Predictive Data Science, LLC (“Contractor”)

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

- [Redacted list item]

- [Redacted list item]

- [Redacted list item]

[Redacted text block]

[Redacted text block]

Avista Corporation
East 1411 Mission Ave.
Spokane, WA 99202



● [Redacted text]

[Redacted]	[Redacted]	[Redacted]
------------	------------	------------

● [Redacted text]

[Redacted]	[Redacted]	[Redacted]
------------	------------	------------

● [Redacted text]

● [Redacted text]

● [Redacted text]

● [Redacted text]

● [Redacted text]

● [Redacted text]

● [Redacted text]



Addendum No. 2
Appendix D

[Redacted text block containing multiple paragraphs and bulleted lists, all obscured by black bars]

ATTACHMENT 6
REDACTED



[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]



[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]



[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]



[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

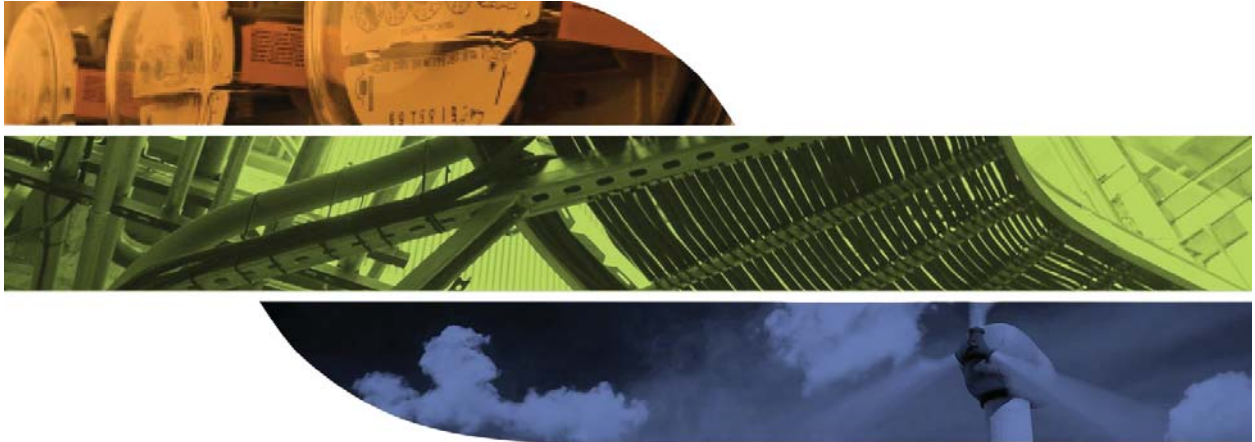
Marian Durkin
MARIAN DURKIN
SVP General Counsel
970/116

[Redacted text block]

[Redacted text block]

Exhibit A: Statement of Work

Avista - Linn Energy Storage Optimization - Phase II



[Redacted]

[Redacted]



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

(b)(3)

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]

- [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
 - [REDACTED]

- [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]

- [REDACTED]
 - [REDACTED]

- [REDACTED]
 - [REDACTED]

- [REDACTED]
 - [REDACTED]

- [REDACTED]
 - [REDACTED]

- [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]

- [REDACTED]
 - [REDACTED]

- [REDACTED]
- [REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]
- [REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

Deliberations

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

LEGISLATION

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

Deliberations

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

Assessments

- [Redacted]
- [Redacted]
- [Redacted]

[Redacted]

[Redacted]

- [Redacted]

- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]

Governmental

- [Redacted]
 - [Redacted]
 - [Redacted]
- [Redacted]
 - [Redacted]
 - [Redacted]
 - [Redacted]
- [Redacted]
 - [Redacted]
- [Redacted]
 - [Redacted]
 - [Redacted]
- [Redacted]
 - [Redacted]
- [Redacted]
 - [Redacted]
 - [Redacted]
- [Redacted]
 - [Redacted]
 - [Redacted]
- [Redacted]
 - [Redacted]

[Redacted]

- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]

[Redacted]
[Redacted]
[Redacted]
[Redacted]

[Redacted]
[Redacted]

Assumptions:

[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]

[Redacted]
[Redacted]
[Redacted]
[Redacted]

Tasks:

[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]

[Redacted]
[Redacted]
[Redacted]
[Redacted]

Recommendations:

[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]

[Redacted]
[Redacted]

Administrative

- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]

Legal

- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]

Administrative

- [Redacted]
- [Redacted]
- [Redacted]

[Redacted]

[Redacted]

- [Redacted]
- [Redacted]
- [Redacted]

Legal

- [Redacted]

Administrative

- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]

- [REDACTED]
- [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Findings

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

Recommendations

- [REDACTED]

Conclusions

- [REDACTED]

[REDACTED]

(b) (5) - DPP

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

(b) (5) - DPP

- [REDACTED]
- [REDACTED]
- [REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

(b) (5) - DPP

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

(b) (5) - DPP

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]

• [REDACTED]
[REDACTED]

• [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

(b) (5) - DPP

• [REDACTED]
• [REDACTED]
• [REDACTED]

(b) (5) - DPP

• [REDACTED]

• [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

(b) (5) - DPP

• [REDACTED]
• [REDACTED]
• [REDACTED]
• [REDACTED]
• [REDACTED]

(b) (5) - DPP

• [REDACTED]
[REDACTED]
[REDACTED]

(b) (5) - DPP

• [REDACTED]
• [REDACTED]

[REDACTED]

Table

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

References

- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Task	Deliverable	Delivery Date
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

SDW Section	Descriptor	Type or Code	Amount	Notes
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

				[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]			[REDACTED]	
[REDACTED]			[REDACTED]	

[REDACTED]

Activity	Destination	No. of of Days	No. of Travelers and Duration	Cost Estimate
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]			[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]
[REDACTED] load balancing
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED] voltage regulation services
[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]

[REDACTED]

[Redacted]

[Redacted]

[Redacted]

- [Redacted]
- [Redacted]

- [Redacted]

- [Redacted]
- [Redacted]
- [Redacted]

- [Redacted]
- [Redacted]

- [Redacted]
- [Redacted]

- [Redacted]
- [Redacted]
- [Redacted]

[Redacted]

[Redacted]

[Redacted]

- [Redacted]

[Redacted]

- [Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]

- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted text]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

[Redacted text block containing multiple lines of blacked-out content]

Mode Use Case II (MCD-UCII) Manual Operation Requirements

[Redacted text block]

[Redacted text block]

- [Redacted list item 1]
- [Redacted list item 2]
- [Redacted list item 3]
- [Redacted list item 4]
- [Redacted list item 5]
- [Redacted list item 6]
- [Redacted list item 7]

- [Redacted list item 1]
- [Redacted list item 2]
- [Redacted list item 3]
- [Redacted list item 4]
- [Redacted list item 5]
- [Redacted list item 6]
- [Redacted list item 7]

- [Redacted list item 1]
- [Redacted list item 2]
- [Redacted list item 3]
- [Redacted list item 4]
- [Redacted list item 5]

[Redacted text block]

[Redacted text block]

- [Redacted list item 1]
- [Redacted list item 2]
- [Redacted list item 3]
- [Redacted list item 4]
- [Redacted list item 5]

[Redacted text block containing multiple lines of obscured content]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

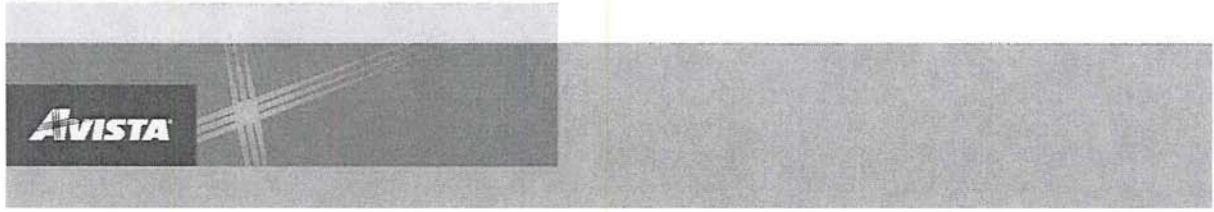
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text]

[Redacted text block containing multiple paragraphs and bulleted lists]

[Redacted footer text]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[Redacted text block]

[Redacted text block]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]
[REDACTED]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

- [REDACTED]

- [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[Redacted]

- [Redacted]

[Redacted]

- [Redacted]

[Redacted]

- [Redacted]

[Redacted]

- [Redacted]

[Redacted]

[Redacted]

- [Redacted]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

ATTACHMENT 7

RESULTS OF OPERATIONS
ELECTRIC ALLOCATION PERCENTAGES
For Twelve Months Ended December 31, 2016
Average of Monthly Averages Basis

Report ID:
E-ALL-12A

AVISTA UTILITIES

Basis	Ref	Description	Based on Data from:	System	Washington	Idaho
1	Input	Production/Transmission Ratio	01-01-2016 thru 12-31-2016	100.000%	65.730%	34.270%
2	Input	Number of Customers - AMA Percent	01-01-2016 thru 12-31-2016	374,507 100.000%	245,916 65.664%	128,591 34.336%
3	E-OPS	Direct Distribution Operating Expense Percent	01-01-2016 thru 12-31-2016	23,251,240 100.000%	15,470,596 66.537%	7,780,644 33.463%
	Input	Jurisdictional 4-Factor Ratio	01-01-2016 thru 12-31-2016			
		Direct O & M Accts 500 - 598		19,878,625	13,041,456	6,837,169
		Direct O & M Accts 901 - 935		27,163,365	19,773,487	7,389,878
		Total		47,041,990	32,814,943	14,227,047
		Percentage		100.000%	69.757%	30.243%
		Direct Labor Accts 500 - 598		13,100,158	8,869,997	4,230,161
		Direct Labor Accts 901 - 935		6,332,021	4,979,448	1,352,573
		Total		19,432,179	13,849,445	5,582,734
		Percentage		100.000%	71.271%	28.729%
		Number of Customers		377,285	247,777	129,508
		Percentage		100.000%	65.674%	34.326%
		Net Direct Plant		1,072,965,542	712,213,744	360,751,798
		Percentage		100.000%	66.378%	33.622%
4		Total Percentages Percent		400.000% 100.000%	273.079% 68.270%	126.921% 31.730%

RESULTS OF OPERATIONS
ELECTRIC ALLOCATION PERCENTAGES
For Twelve Months Ended December 31, 2016
Average of Monthly Averages Basis

Report ID:
E-ALL-12A

AVISTA UTILITIES

Basis	Ref	Description	Based on Data from:	System	Washington	Idaho	
			01-01-2015 thru 12-31-2015	Total	Electric	Gas North	Oregon Gas
Input		Elec/Gas North/Oregon 4-Factor		68,870,162	57,859,575	7,660,811	3,349,776
		Direct O & M Accts 500 - 894		40,470,171	30,725,388	6,803,561	2,941,222
		Direct O & M Accts 901 - 935		5,203,836	3,701,516	1,502,320	0
		Direct O & M Accts 901 - 905 Utility 9 Only		0	0	0	0
		Adjustments		114,544,169	92,286,479	15,966,692	6,290,998
		Total		100.000%	80.569%	13.939%	5.492%
		Percentage					
		Direct Labor Accts 500 - 894		71,533,714	54,197,331	12,273,957	5,062,426
		Direct Labor Accts 901 - 935		5,276,902	3,297,361	193,627	1,785,914
		Direct Labor Accts 901 - 905 Utility 9 Only		10,808,995	7,263,025	3,545,970	0
		Total		87,619,611	64,757,717	16,013,554	6,848,340
		Percentage		100.000%	73.908%	18.276%	7.816%
		Number of Customers at		709,694	374,962	235,378	99,354
		Percentage		100.000%	52.834%	33.166%	14.000%
		Net Direct Plant		2,961,417,554	2,309,776,654	427,886,508	223,754,392
		Percentage		100.000%	77.995%	14.449%	7.556%
		Total Percentages		400.000%	285.306%	79.830%	34.863%
		Average (CD AA)		100.000%	71.326%	19.958%	8.716%

7

RESULTS OF OPERATIONS
ELECTRIC ALLOCATION PERCENTAGES
For Twelve Months Ended December 31, 2016
Average of Monthly Averages Basis

Report ID:
E-ALL-12A

AVISTA UTILITIES

Basis	Ref	Description	Based on Data from:	System	Washington	Idaho	
			01-01-2015 thru 12-31-2015	Total	Electric	Gas North	Oregon Gas
Input		Gas North/Oregon 4-Factor		10,455,835	0	7,274,832	3,181,003
		Direct O & M Accts 500 - 894		9,194,411	0	6,419,305	2,775,106
		Direct O & M Accts 901 - 935		1,502,320	0	1,502,320	0
		Direct O & M Accts 901 - 905 Utility 9 Only		21,152,566	0	15,196,457	5,956,109
		Total		100.000%	0.000%	71.842%	28.158%
		Percentage					
		Direct Labor Accts 500 - 894		12,747,846	0	9,025,326	3,722,520
		Direct Labor Accts 901 - 935		1,617,630	0	158,227	1,459,403
		Direct Labor Accts 901 - 905 Utility 9 Only		3,545,970	0	3,545,970	0
		Total		17,911,446	0	12,729,523	5,181,923
		Percentage		100.000%	0.000%	71.069%	28.931%
		Number of Customers at		334,732	0	235,378	99,354
		Percentage		100.000%	0.000%	70.318%	29.682%
		Net Direct Plant		642,075,757	0	419,325,758	222,749,999
		Percentage		100.000%	0.000%	65.308%	34.692%
		Total Percentages		400.000%	0.000%	278.538%	121.462%
		Average (GD AA)		100.000%	0.000%	69.634%	30.366%

RESULTS OF OPERATIONS
ELECTRIC ALLOCATION PERCENTAGES
For Twelve Months Ended December 31, 2016
Average of Monthly Averages Basis

Report ID:
E-ALL-12A

AVISTA UTILITIES

Basis	Ref	Description	Based on Data from:	System	Washington	Idaho	
		Input	01-01-2015 thru 12-31-2015	Total	Electric	Gas North	Oregon Gas
		Elec/Gas North 4-Factor		65,517,641	57,859,575	7,658,066	0
		Direct O & M Accts 500 - 894		37,524,901	30,725,388	6,799,513	0
		Direct O & M Accts 901 - 935		0	0	0	0
		Adjustments		103,042,542	88,584,963	14,457,579	0
		Total		100.000%	85.969%	14.031%	0.000%
		Percentage					
		Direct Labor Accts 500 - 894		66,392,511	54,197,331	12,195,180	0
		Direct Labor Accts 901 - 935		3,705,603	3,297,361	408,242	0
		Total		70,098,114	57,494,692	12,603,422	0
		Percentage		100.000%	82.020%	17.980%	0.000%
		Number of Customers at		610,340	374,962	235,378	0
		Percentage		100.000%	61.435%	38.565%	0.000%
		Net Direct Plant		2,706,279,542	2,286,953,784	419,325,758	0
		Percentage		100.000%	84.505%	15.495%	0.000%
		Total Percentages		400.000%	313.930%	86.070%	0.000%
9		Average (CD AN/ID/WA)		100.000%	78.482%	21.518%	0.000%
10	E-PLT	Net Electric Distribution Plant - AMA	12-01-2015 thru 12-31-2016	1,023,558,708	675,072,411	348,486,297	
		Percent		100.000%	65.953%	34.047%	
11		Book Depreciation	01-01-2016 thru 12-31-2016	101,849,867	66,335,712	35,514,155	
		Percent		100.000%	65.131%	34.869%	

RESULTS OF OPERATIONS
ELECTRIC ALLOCATION PERCENTAGES
For Twelve Months Ended December 31, 2016
Average of Monthly Averages Basis

Report ID:
E-ALL-12A

AVISTA UTILITIES

Basis	Ref	Description	Based on Data from:	System	Washington	Idaho
12		Net Electric Plant (before DFIT) - AMA Percent	12-01-2015 thru 12-31-2016	2,619,856,983 100.000%	1,729,585,131 66.018%	890,271,852 33.982%
13	E-PLT	Net Electric General Plant - AMA Percent	12-01-2015 thru 12-31-2016	230,327,259 100.000%	153,460,246 66.627%	76,867,013 33.373%
14		Net Allocated Schedule M's - AMA Percent	01-01-2016 thru 12-31-2016	-258,361,891 100.000%	-167,289,500 64.750%	-91,072,391 35.250%
99	Input	Not Allocated		0.000%	0.000%	0.000%