

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

DOCKET NO. UE-07 _____

DOCKET NO. UG-07 _____

DIRECT TESTIMONY OF

DON F. KOPCZYNSKI

REPRESENTING AVISTA CORPORATION

I. INTRODUCTION

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

A. My name is Don F. Kopczynski and I am employed as the Vice President of Transmission and Distribution Operations for Avista Utilities, at 1411 East Mission Avenue, Spokane, Washington.

Q. Would you briefly describe your educational background and professional experience?

A. Yes. Prior to joining the Company in 1979, I earned a Bachelor of Science Degree in Engineering from the University of Idaho. I have also earned a Master's Degree in Business Management from Washington State University and a Master's Degree in Organizational Leadership from Gonzaga University. Over the past 28 years I have spent approximately 16 years in Energy Delivery, managing Engineering, various aspects of Operations, and Customer Service. In addition, I spent three years managing the Energy Resources Department, including Power Supply, Generation and Production, and Natural Gas Supply. More recently, I worked in the areas of Corporate business analysis and development, and served in a variety of leadership roles in subsidiary operations for Avista Corp. I was appointed General Manager of Energy Delivery in 2003 and Vice President in 2004. I serve on several boards including the Eastern Washington University Electrical Engineering and Computer Science Advisory Board, Washington State Electrical Board, and the Washington State University Engineering Advisory Board.

Q. What is the scope of your testimony?

A. I will provide an overview of the Company's natural gas and electric energy delivery facilities and operations. I will also summarize Avista's customer service programs in

1 Washington, as well as explain some of our recent efforts to increase efficiency and improve
 2 customer service, such as a new Interactive Voice Response System, Mobile Dispatch, and our
 3 new Outage Management System. I will also discuss significant investments being made in the
 4 Company's electric transmission system. A table of the contents for my testimony is as follows:

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15 **II. OVERVIEW OF AVISTA'S ENERGY DELIVERY OPERATIONS**

16 **Q. Please provide an overview of the customers served by Avista Utilities in**
 17 **Washington.**

18 A. As of March, 2007, the Company served 228,000 electric customers and 141,000
 19 natural gas customers in twelve counties of eastern Washington. Avista's largest electric
 20 customer in Washington is the Inland Empire Paper facility in the Spokane Valley. The
 21 Company anticipates residential and commercial electric load growth to average 2.5 percent
 22 annually for the next five years, primarily due to expected increases in both population and the
 23 number of businesses in its service territory. While the number of electric customers is expected
 24 to increase, the average annual use per customer is not expected to change significantly. Natural
 25 gas retail load growth is expected to average just over three percent annually over the next four
 26 years in Avista's Washington service territory.

27 **Q. Please describe the Company's electric and natural gas delivery facilities.**

1 A. Avista Utilities operates a vertically-integrated electric system. In addition to the
2 hydroelectric and thermal generating resources described by Company Witness Mr. Storro, the
3 Company has approximately 8,011 miles of lines in the following classes in Washington: 215
4 miles of 230 kV transmission, 924 miles of 115 kV transmission, and 6,868 miles of distribution
5 line at a variety of voltages. The predominant distribution voltage is 13.2 kV. Avista owns and
6 maintains a total of 3,348 miles of natural gas distribution lines in the state of Washington, and is
7 served off of the Williams Northwest and Gas Transmission Northwest (GTN) pipelines. A map
8 showing the Company's electric and natural gas service area in Washington is provided by
9 Company Witness Mr. Morris at page 2 of Exhibit No. ____ (SLM-2)

10 **Q. Please describe the Company's operations centers that support electric and**
11 **natural gas customers in Washington.**

12 A. The Company has construction offices in Spokane, Colville, Chewelah, Othello,
13 Ritzville, Pullman, Deer Park, and Davenport. Avista's four customer contact centers in
14 Spokane, Washington, Coeur d'Alene and, Lewiston, Idaho, and Medford, Oregon are
15 networked, allowing the full pool of regular and part-time employees to respond to customer
16 calls in all jurisdictions.

17 **Q. What construction and maintenance programs does the Company have in**
18 **place to maintain gas and electric facilities?**

19 A. Avista Utilities utilizes Company seasonal and regular crews for gas and electric
20 construction, including new and reconstructed lines, damage repair, and connecting new
21 customers. The Company employs contract crews and temporary and part-time employees to
22 meet customer needs during the peak construction season. The Company also has several
23 maintenance programs to maintain the reliability of our electric and gas infrastructure. On the

1 electric side, this includes underground cable replacement, wood pole inspection and
2 replacement, vegetation management, electric transmission line inspection and reconstruction.
3 Regarding natural gas operations, ongoing maintenance focuses on valve and regulator stations,
4 atmospheric corrosion protection, and leak surveys.

5 **III. CUSTOMER SERVICE PROGRAMS**

6 **Q. Please explain the customer service programs that Avista provides for its**
7 **customers in Washington.**

8 A. Avista Utilities offers a number of programs for its Washington customers, such
9 as energy efficiency programs, the Low Income Rate Assistance Program (LIRAP), Project Share
10 for emergency assistance to customers, a Customer Assistance Referral and Evaluation Service
11 (CARES) program, senior energy outreach, level pay plans, and payment arrangements. Some of
12 these programs will serve to mitigate the impact on customers of the proposed rate increase.

13 **Q. Please describe Avista Utilities' demand-side management (DSM), or energy**
14 **efficiency, programs.**

15 A. The Company's innovative Energy Efficiency Tariff Rider is celebrating its
16 twelfth anniversary. The tariff rider, the country's first distribution charge to fund DSM and now
17 replicated in many other states, has provided consistent funding for the delivery of energy
18 efficiency services. Company Witness Mr. Folsom will provide more detail about Avista
19 Utilities' energy efficiency services.

20 **Q. What is the Company's Low Income Rate Assistance Program, or LIRAP?**

21 A. The low-income rate assistance program, proposed by the Company and approved
22 by the Washington Commission in 2001, collects approximately \$3 million (gas and electric
23 combined) per year through electric and natural gas tariff surcharges on Schedules 91 and 191.

1 These funds are distributed by community action agencies in a manner similar to the Federal and
2 State-sponsored Low Income Heating Energy Assistance Program (LIHEAP). The purpose of
3 the LIRAP program is to reduce the energy cost burden among those customers least able to pay
4 energy bills.

5 **Q. Please describe the recent results of the Company's Project Share efforts?**

6 A. Project Share is a community-funded program Avista sponsors to provide one-
7 time emergency support to families in the Company's region. Avista customers and shareholders
8 help support the fund with a voluntary contribution that is distributed through local community
9 action agencies to customers in need. Grants are available to those in need without regard to
10 their heating source. Avista Utilities has consistently had relatively high per-customer
11 contributions when compared to other utilities with Project Share programs. Avista Utilities'
12 customers donated \$351,345 on a system basis in 2006, of which \$209,414 was directed to
13 Washington Community Action Agencies. In addition, the Company contributed \$150,000 to
14 Washington customers in 2006.

15 **Q. Does the Company offer a bill-averaging program?**

16 A. Yes. Comfort Level Billing helps smooth out the seasonal highs and lows of
17 customers' energy usage and is the Company's option to pay the same bill amount each month of
18 the year. This allows customers to more easily budget for energy bills and it also avoids higher
19 winter bills. This program has been well-received by participating customers. Over 40,932, or
20 16%, of Washington electric and natural gas customers are on Comfort Level Billing.

21 In addition, the Company's Contact Center Representatives work with customers to set
22 up payment arrangements to pay energy bills. In 2006, 66,127 Washington customers were
23 provided with over 175,369 such payment arrangements.

1 Company during an electric outage and hear messages regarding outages. Implementation of the
2 IVR was a direct result of the ice storm that customers in Avista's territory endured in 1996.
3 During that storm, many customers had a difficult time connecting with Avista Customer Service
4 Representatives to report their outage and receive information.

5 As additional self-service functions were added since 1997, customer use and acceptance
6 of the IVR has grown. Currently, nearly 40% of customers use the IVR for self-service, which
7 includes outage reporting and messaging, accepting payments, making payment arrangements,
8 hearing account information and other information such as pay station, heating assistance
9 locations, and Private Branch Exchange (PBX) functions. In 2006, customers used the system to
10 conduct other business, such as electronic payments (over 102,000 in 2006) and obtaining
11 account balances (over 111,000 in 2006) and payment arrangements (over 71,000 in 2006).

12 **Q. Does Avista have plans to replace its current IVR system?**

13 A. Yes, three years ago, Nortel (manufacturer of Avista's IVR) announced the end of
14 the operating system. Therefore, the technology is now frozen and new functionality will be
15 difficult or impossible to add to the current platform. Replacement parts and continued support
16 from third party vendors is still available, while the hardware, however, will be 10 years old in
17 November 2007. Avista needs to refresh this technology as a way to guarantee the continued
18 ability for customers to self-serve. Additional functionality and self-service opportunities that
19 the Company wishes to offer customers is not available with the current system. Avista plans to
20 offer customers the ability to self-serve or partially self-serve for the purpose of closing their
21 account, moving their account from one address to another, or opening a new account.

1 **Q. What is the new platform chosen by Avista?**

2 A. The Company is collaborating with Interville, a leading IVR manufacturer with
3 several Utility customers. The new platform will offer customers the same functionality as the
4 current IVR, but will use Voice Recognition as the main interface between customers and
5 machine. Touch-tone entry will still be available; however, research indicates that:

- 6 • “Customers perceive companies using speech provide better service¹”,
- 7 • “Nine out of ten consumers felt additional value with speech applications²”,
- 8 • “70 percent plus of customers agree that speech self service systems are easy to
9 understand and use³”
- 10 • “80% prefer speech recognition over touch-tone⁴” and;
- 11 • In addition, “Speech recognition calls are 40% faster on average than touch-tone calls
12 because customers don’t have to listen to lists of menu options.”⁵

13 The IVR will continue to allow the same number of customers to concurrently utilize the
14 system for self-service. Redundant hardware will be located in two locations for disaster
15 recovery and the hardware and software will be managed by Interville. Self-service on the IVR
16 will still be available to customers twenty-four hours a day, seven days a week.

17 **Q. When will the new IVR system be available for customers and how much will**
18 **the new IVR project cost?**

¹ Statistic provided by Accenture in their Detailed Management Deliverable to Avista, April 2005, Forrester 2003

² Statistic provided by Accenture in their Detailed Management Deliverable to Avista, April 2005, Michelson & Associates, Inc. 2003

³ Statistic provided by Accenture in their Detailed Management Deliverable to Avista, April 2005, Harris Interactive Research 2003

⁴ Statistic provided by Accenture in their Detailed Management Deliverable to Avista, April 2005, Nuance 2002

⁵ Statistic provided by Accenture in their Detailed Management Deliverable to Avista, April 2005, Kelsey Group, Wall Street Journal, 1/21/03

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1 A. The new IVR system is currently scheduled to be available for customers by the
2 end of 2007. The budget for the IVR project is approximately 1.7 million dollars (system). This
3 project cost has not been included in this general rate case, but will be addressed in a future
4 proceeding.

5
6 **B. Mobile Dispatch**

7 **Q. Please describe the Company's Mobile Dispatch Operation.**

8 A. In June 2006, the implementation of wireless laptop computers with mobile maps
9 (Mobile Dispatch) was deployed to all Avista gas servicemen. Mobile Dispatch automatically
10 dispatches work orders to Avista servicemen throughout the day through wireless technology to
11 laptop computers mounted in Avista service trucks. Prior to Mobile Dispatch, orders were
12 created in Avista's work management system and printed at the local construction offices.
13 Employees in each office would sort, assign and dispatch (via phone, pager, fax or in person)
14 orders each morning. The field employees would work with the orders and call in the completed
15 work periodically throughout the day or simply turn-in the stack of completed orders at the end
16 of the day. The completed orders were manually completed by back-office employees who
17 entered the information regarding the order back into the work management system.

18 The paper processes made it nearly impossible to track the status of individual orders and
19 fieldworkers throughout each day. It was also very difficult for the Dispatchers to keep up with
20 the volume of paper being sent out each morning, changes to the orders that occurred during the
21 day, and completed orders returned at the end of the shift.

22 Mobile Dispatch has automated the order creation, modification and completion process.
23 With the new technology, orders are created in the work management system and are

1 automatically dispatched to the correct field worker based on the order's Latitude/Longitude
2 position and the person assigned to work orders in that area. Once a field employee has been
3 identified, the order is sent through wireless technology to the laptop computer mounted in
4 Avista's service truck. The order is then reviewed by the employee for specific information
5 needed to complete the work. The order status is transmitted back to the dispatch center, as the
6 employee indicates they are en route, on-site, and/or have completed the work. The completed
7 order is transmitted back to the work management system where it is closed automatically.

8 A mobile mapping system is also loaded onto each laptop computer. The maps provide
9 the field employees instant access to facility information necessary to complete their work safely
10 and efficiently. They can also add facility data such as new service points or repair locations
11 which are transmitted wireless back to the corporate Geographic Information System (GIS)
12 mapping system. This helps insure that the facility data in the GIS system is up-to-date and
13 accurate.

14 Dispatchers have complete information for each order and a field employee's status.
15 They have the ability to manage and redistribute work real-time by simply dragging and dropping
16 orders from one field employee to another. The orders instantly move from the originally-
17 assigned laptop to the newly-assigned laptop.

18 In addition, the project will address common gas/electric processes such as timekeeping,
19 appointment booking, and locating. Functionality to support electric meter shop work processes
20 will also be addressed.

21 **Q. What benefits does Mobile Dispatch provide?**

1 A. Successful implementation of streamlined work processes and supporting
2 technology for the business processes described above will allow Avista to achieve a number of
3 financial and customer service benefits including:

- 4 • Increased field productivity via efficient order routing and elimination of paper
5 processes;
- 6 • Improved dispatcher productivity with efficient order assignment, dispatching,
7 monitoring and closing processes;
- 8 • Enhanced customer service with improved appointment booking capability and
9 reliability;
- 10 • Reduced costs required to perform an equal amount of work – labor and vehicle
11 costs; and
- 12 • Improved safety in the field with alerts and follow-up on workers.

13 The reduction in operating costs are used to offset all or a portion of the investment in
14 technology to achieve these efficiencies and service enhancements. Mobile Dispatch costs have
15 not been included in this general rate case.

16 **C. Outage Management System**

17 **Q. Please describe Avista's Outage Management System (OMS).**

18 A. Avista's Outage Management System is linked to the Company's Geographic
19 Information System (GIS mapping system). It allows Avista's distribution facilities to be linked
20 to individual customer service points in a three phase computer based model. The connectivity
21 provides analysis tools to determine outage areas and affected protective devices. Switching
22 points within the computer based model enable semi-real time reconfiguration of Avista's
23 distribution system. This system substantially reduced the time necessary to restore service to
24 customers during the December 2006 wind storm.

1 Avista will perform work in eleven of its thirteen 230 kV substations or 85% of its system. The
2 life-to-date, actual cost of 230 kV Upgrade Project through December 31, 2006, is \$102,469,100.
3 In 2007, Avista plans to spend an additional \$28,410,000 to fully commission the project.
4 Company witness Mr. Kinney will provide further explanation of these projects.

5 **Q. What is the status of ColumbiaGrid and what is Avista's involvement?**

6 A. In 2006 Avista elected to fund the ColumbiaGrid RTO development effort. It is a
7 regional organization whose purpose is to enhance transmission system reliability and efficiency,
8 provide cost-effective regional transmission planning, reduce transmission system congestion,
9 and support effective market monitoring within the Northwest and the entire Western
10 interconnection. ColumbiaGrid has been formed as a Washington non-profit corporation and its
11 initial Board of Directors were elected in August 2006. ColumbiaGrid's current members
12 include Avista, the Bonneville Power Administration, Public Utility District No. 1 of Chelan
13 County, Public Utility District No. 2 of Grant County, Puget Sound Energy, Seattle City Light
14 and Tacoma Power.

15 ColumbiaGrid is in the process of offering its first functional agreement, the *Planning*
16 *and Expansion Functional Agreement*, in accordance with its Articles of Incorporation and By-
17 laws. This agreement provides for an ongoing funding mechanism for a ColumbiaGrid planning
18 staff, a comprehensive coordinated planning process, and a means to facilitate the
19 implementation of biennial transmission expansion plans through follow-on contracts for the
20 construction of transmission facilities. Avista has actively participated in the development of this
21 Agreement. This Agreement was approved by the Federal Energy Regulatory Commission
22 ("FERC") on April 3, 2007.

1 ColumbiaGrid is also developing additional functional agreements, to include the
2 potential for a common regional OASIS (Open Access Same-time Information System) and an
3 agreement for reliability improvements. The status of these efforts can be found on the
4 ColumbiaGrid website at www.columbiagrid.org. Company witness Mr. Kinney further
5 discusses ColumbiaGrid Planning and Development and the costs included in this general rate
6 case.

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

8 A. Yes.