

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

NUMBER	SPONSOR	A/R	DATE	DESCRIPTION
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BENCH EXHIBITS

<u>BR-1</u>	Bradley G. Mullins for ICNU and NWIGU			Response to Bench Request No. 1 and Revised Exhibits <u>BGM-5</u> , <u>BGM-6</u> , <u>BGM-13</u> , and <u>BGM-14</u>

AVISTA WITNESSES

Scott L. Morris, Chairman of the Board, President, and Chief Executive Officer, Avista				
<u>SLM-1T</u>	Scott L. Morris			Prefiled Direct Testimony of Scott L. Morris (33 pages) (2/19/16)
<u>SLM-2</u>	Scott L. Morris			Overview of Avista's Operations and Diagram of Corporate Structure
<u>SLM-3</u>	Scott L. Morris			Map of Avista's Electric and Natural Gas Service Areas

CROSS-EXAMINATION EXHIBITS

Mark T. Thies, Senior Vice President, Chief Financial Officer and Treasurer, Avista				
<u>MTT-1T</u>	Mark T. Thies			Prefiled Direct Testimony of Mark T. Thies (33 pages) (2/19/16)
<u>MTT-2</u>	Mark T. Thies			***CONFIDENTIAL*** Summary of Avista's Credit Ratings by S&P and Moody's; Actual Capital Structure at September 30, 2015, and Proposed Capital Structure With Supporting Information
<u>MTT-3C</u>	Mark T. Thies			***CONFIDENTIAL***

EXHIBIT LIST
Avista 2016 GRC
Dockets UE-160228 and UG-160229

				Avista's Interest Rate Risk Management Plan
<u>MTT-4</u>	Mark T. Thies			Equity Ratios and Returns on Equity Approved by Various State Regulatory Commissions between January 1, 2015, and December 1, 2015
<u>MTT-5C</u>	Mark T. Thies			***CONFIDENTIAL*** Avista's Planned Capital Expenditures and Long-Term Debt Issuances by Year
CROSS-EXAMINATION EXHIBITS				
Adrien M. McKenzie, Vice-President of FINCAP, Consultant for Avista				
<u>AMM-1T</u>	Adrien M. McKenzie			Prefiled Direct Testimony of Adrien M. McKenzie (50 pages) (2/19/16)
<u>AMM-2</u>	Adrien M. McKenzie			Qualifications of Adrien M. McKenzie
<u>AMM-3</u>	Adrien M. McKenzie			Description of Quantitative Analyses – Capital Market Estimates of the Cost of Equity; DCF, ECAPM, CAPM; Risk Premium Analyses Based on Allowed ROEs for Electric Utilities; and Reference to Expected Rates of Return for Electric Utilities
<u>AMM-4</u>	Adrien M. McKenzie			ROE Analyses – Summary of Results
<u>AMM-5</u>	Adrien M. McKenzie			Capital Structure by Utility Group
<u>AMM-6</u>	Adrien M. McKenzie			Constant Growth DCF Model by Utility Group – Dividend Yield and Cost of Equity Estimates
<u>AMM-7</u>	Adrien M. McKenzie			DCF Model Sustainable (BR+SV) Growth Rate by Utility Group

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

<u>AMM-8</u>	Adrien M. McKenzie			Empirical Capital Asset Pricing Model – Current and Projected Bond Yields by Utility Group
<u>AMM-9</u>	Adrien M. McKenzie			Capital Asset Pricing Model – Current and Projected Bond Yield by Utility Group
<u>AMM-10</u>	Adrien M. McKenzie			Electric Utility Risk Premium – Current Bond Yield, Projected Bond Yield, Authorized Returns, and Regression Results
<u>AMM-11</u>	Adrien M. McKenzie			Expected Earnings Approach by Utility Group
<u>AMM-12</u>	Adrien M. McKenzie			Constant Growth DCF Model by Non-Utility Group – Dividend Yield, Growth Rates, DCF Cost of Equity Estimates
<u>AMM-13</u>	Adrien M. McKenzie			Regulatory Mechanisms by Utility Group
<u>AMM-14T</u>	Adrien M. McKenzie			Prefiled Rebuttal Testimony of Adrien M. McKenzie (64 pages) (9/19/16)
<u>AMM-15</u>	Adrien M. McKenzie			Allowed ROE (Parcell and Gorman Proxy Groups)
<u>AMM-16</u>	Adrien M. McKenzie			Expected Earnings Approach (Parcell and Gorman Proxy Groups)
<u>AMM-17</u>	Adrien M. McKenzie			Revised Gorman Risk Premium
CROSS-EXAMINATION EXHIBITS				
Elizabeth M. Andrews, Manager of Revenue Requirements, Avista				
<u>EMA-1T</u>	Elizabeth M. Andrews			Prefiled Direct Testimony of Elizabeth M. Andrews (64 pages) (2/19/16)

EXHIBIT LIST
Avista 2016 GRC
Dockets UE-160228 and UG-160229

<u>EMA-2</u>	Elizabeth M. Andrews			2017 Electric Attrition Study
<u>EMA-3</u>	Elizabeth M. Andrews			2017 Natural Gas Attrition Study
<u>EMA-4</u>	Elizabeth M. Andrews			June 2018 Electric Attrition Study
<u>EMA-5</u>	Elizabeth M. Andrews			June 2018 Natural Gas Attrition Study
<u>EMA-6T</u>	Elizabeth M. Andrews			Prefiled Rebuttal Testimony of Elizabeth M. Andrews (54 pages) (9/19/16)
<u>EMA-7</u>	Elizabeth M. Andrews			Updated 2017 Electric Attrition Study
<u>EMA-8</u>	Elizabeth M. Andrews			Updated 2017 Natural Gas Attrition Study
<u>EMA-9</u>	Elizabeth M. Andrews			Updated 2018 Electric Attrition Study
<u>EMA-10</u>	Elizabeth M. Andrews			Updated 2018 Natural Gas Attrition Study
<u>EMA-11</u>	Elizabeth M. Andrews			Montana River Hydropower Site Lease
CROSS-EXAMINATION EXHIBITS				
Heather L. Rosentrater, Vice President of Energy Delivery and Customer Service, Avista				
<u>HLR-1T</u>	Heather L. Rosentrater			Prefiled Direct Testimony of Heather L. Rosentrater (49 pages) (2/19/16)
<u>HLR-2</u>	Heather L. Rosentrater			Number of Avista Customers and Customer Energy Usage by Customer Class
<u>HLR-3</u>	Heather L. Rosentrater			Avista's Advanced Metering Infrastructure (AMI) Business Case
<u>HLR-4</u>	Heather L. Rosentrater			Regulatory Resolution on Advanced Metering
<u>HLR-5</u>	Heather L. Rosentrater			Industry Report on Advanced Meter Deployments in the US
<u>HLR-6</u>	Heather L. Rosentrater			Avista's Electric Distribution System 2016 Asset

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

				Management Plan
<u>HLR-7</u>	Heather L. Rosentrater			Avista's Electric Transmission System 2016 Asset Management Plan
<u>HLR-8</u>	Heather L. Rosentrater			Avista's Electric Substations 2016 System Review Performed by Asset Management
<u>HLR-9T</u>	Heather L. Rosentrater			Prefiled Rebuttal Testimony of Heather L. Rosentrater (38 pages) (9/19/16)
CROSS-EXAMINATION EXHIBITS				
HLR-____	PUBLIC COUNSEL			Workpaper – Description of Quantified Customer Benefits – Outage Management – Outage Restoration Efficiencies
HLR-____	PUBLIC COUNSEL			Avista's Response to Public Counsel and The Energy Project's Data Request No. 93
HLR-____	PUBLIC COUNSEL			Avista's Response to Public Counsel and The Energy Project's Data Request No. 94
HLR-____	PUBLIC COUNSEL			Avista's Response to Public Counsel and The Energy Project's Data Request No. 95
HLR-____	PUBLIC COUNSEL			Avista's Response to Public Counsel and The Energy Project's Data Request No. 97
HLR-____	PUBLIC COUNSEL			Avista's Response to Public Counsel and The Energy Project's Data Request No. 98
HLR-____ C	PUBLIC COUNSEL			Avista's Response to Public Counsel and The Energy Project's Data Request No. 99, with Confidential Attachment A
HLR-____	PUBLIC COUNSEL			Avista's Response to Public Counsel and The Energy Project's Data Request No. 100

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

Scott J. Kinney, Director of Power Supply, Avista				
<u>SJK-1T</u>	Scott J. Kinney			Prefiled Direct Testimony of Scott J. Kinney (26 pages) (2/19/16)
<u>SJK-2</u>	Scott J. Kinney			Avista's Integrated Resource Plan With <u>Appendices</u>
<u>SJK-3C</u>	Scott J. Kinney			***CONFIDENTIAL*** Avista's Energy Resources Risk Policy
CROSS-EXAMINATION EXHIBITS				
Clint G. Kalich, Manager of Resource Planning & Power Supply Analyses, Avista				
<u>CGK-1T</u>	Clint G. Kalich			Prefiled Direct Testimony of Clint G. Kalich (10 pages) (2/19/16)
<u>CGK-2C</u>	Clint G. Kalich			***CONFIDENTIAL*** Summary Output from Dispatch Model and Data Used by William G. Johnson
<u>CGK-3T</u>	Clint G. Kalich			Prefiled Rebuttal Testimony of Clint G. Kalich (11 pages) (9/19/16)
CROSS-EXAMINATION EXHIBITS				
William G. Johnson, Wholesale Marketing Manager, Avista				
<u>WGJ-1T</u>	William G. Johnson			Prefiled Direct Testimony of William G. Johnson (10 pages) (2/19/16)
<u>WGJ-2</u>	William G. Johnson			List of Power Supply Expense and Revenue Items
<u>WGJ-3</u>	William G. Johnson			Description of Power Supply Expense and Revenue Adjustments
<u>WGJ-4</u>	William G. Johnson			Pro-Forma Fuel Costs for Each Thermal Plant and Short-Term Purchase and Sales by Month

EXHIBIT LIST
Avista 2016 GRC
Dockets UE-160228 and UG-160229

<u>WGJ-5</u>	William G. Johnson			Proposed Authorized ERM Power Supply Expense and Revenue, Transmission Expense and Revenue, Broker Fees, and Retail Sales
<u>WGJ-6T</u>	William G. Johnson			Prefiled Rebuttal Testimony of William G. Johnson (4 pages) (9/19/16)
<u>WGJ-7</u>	William G. Johnson			Proposed Pro Forma Power Supply Contract Expense Changes
CROSS-EXAMINATION EXHIBITS				
Jody Morehouse, Director of Gas Supply, Avista				
<u>JM-1T</u>	Jody Morehouse			Prefiled Direct Testimony of Jody Morehouse (14 pages) (2/19/16)
<u>JM-2</u>	Jody Morehouse			Avista's 2014 Natural Gas Integrated Resource Plan With <u>Appendices</u>
CROSS-EXAMINATION EXHIBITS				
Bryan A. Cox, Director of Operations West, Avista				
<u>BAC-1T</u>	Bryan A. Cox			Prefiled Direct Testimony of Bryan A. Cox (26 pages) (2/19/16)
<u>BAC-2</u>	Bryan A. Cox			Transmission Revenue and Expense Adjustments
CROSS-EXAMINATION EXHIBITS				
Karen K. Schuh, Senior Regulatory Analyst, Avista				
<u>KKS-1T</u>	Karen K. Schuh			Prefiled Direct Testimony of Karen K. Schuh (42 pages) (2/19/16)
<u>KKS-2</u>	Karen K. Schuh			Avista's Actual and Planned Capital Expenditures from 2011 through 2020
<u>KKS-3</u>	Karen K. Schuh			Avista's Increases in Costs of

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

				Transmission Substations, Transmission Equipment, Distribution Substations, and Distribution Equipment Over Past 50 Years
<u>KKS-4</u>	Karen K. Schuh			Avista's Capital Projects Included in this Case
<u>KKS-5</u>	Karen K. Schuh			Business Cases, Cover Sheets, and Other Project Justification Information for Each Project Included in this Case; <u>Avista System Planning Assessment</u>
<u>KKS-6</u>	Karen K. Schuh			Avista's Capital Progress Report, March 2015
<u>KKS-7</u>	Karen K. Schuh			Avista's Capital Progress Report, September 2015
<u>KKS-8T</u>	Karen K. Schuh			Prefiled Rebuttal Testimony of Karen K. Schuh (20 pages) (9/19/16)
CROSS-EXAMINATION EXHIBITS				
Jennifer S. Smith, Senior Regulatory Analyst, Avista				
<u>JSS-1T</u>	Jennifer S. Smith			Prefiled Direct Testimony of Jennifer S. Smith (77 pages) (2/19/16)
<u>JSS-2</u>	Jennifer S. Smith			Avista's Electric Pro Forma and Cross Check Study
<u>JSS-3</u>	Jennifer S. Smith			Avista's Natural Gas Pro Forma and Cross Check Study
<u>JSS-4T</u>	Jennifer S. Smith			Prefiled Rebuttal Testimony of Jennifer S. Smith (33 pages) (9/19/16)
<u>JSS-5</u>	Jennifer S. Smith			Updated Electric Pro Forma and Cross Check Study
<u>JSS-6</u>	Jennifer S. Smith			Updated Natural Gas Pro Forma and Cross Check

EXHIBIT LIST
Avista 2016 GRC
Dockets UE-160228 and UG-160229

				Study
CROSS-EXAMINATION EXHIBITS				
Tara L. Knox, Senior Regulatory Analyst, Avista				
<u>TLK-1T</u>	Tara L. Knox			Prefiled Direct Testimony of Tara L. Knox (14 pages) (2/19/16)
<u>TLK-2</u>	Tara L. Knox			Electric Cost of Service Study Process With <u>Appendix</u>
<u>TLK-3</u>	Tara L. Knox			Electric Cost of Service Study Summary Results
<u>TLK-4T</u>	Tara L. Knox			Prefiled Rebuttal Testimony of Tara L. Knox (5 pages) (9/19/16)
CROSS-EXAMINATION EXHIBITS				
Joseph D. Miller, Senior Regulatory Analyst, Avista				
<u>JDM-1T</u>	Joseph D. Miller			Prefiled Direct Testimony of Joseph D. Miller (20 pages) (2/19/16)
<u>JDM-2</u>	Joseph D. Miller			Natural Gas Cost of Service Study Process With <u>Methodology Matrix</u>
<u>JDM-3</u>	Joseph D. Miller			Natural Gas Cost of Service Study Summary Results
<u>JDM-4T</u>	Joseph D. Miller			Prefiled Rebuttal Testimony of Joseph D. Miller (11 pages) (9/19/16)
CROSS-EXAMINATION EXHIBITS				
Patrick D. Ehrbar, Manager of Rates and Tariffs, Avista				
<u>PDE-1T</u>	Patrick D. Ehrbar			Prefiled Direct Testimony of Patrick D. Ehrbar (29 pages) (2/19/16)
<u>PDE-2</u>	Patrick D. Ehrbar			Avista's Current Electric

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

				Tariffs/Service Schedules
<u>PDE-3</u>	Patrick D. Ehrbar			Proposed Electric Tariff Sheets for January 1, 2017, and January 1, 2018
<u>PDE-4</u>	Patrick D. Ehrbar			Proposed Spread of the January 1, 2017, and January 1, 2018, Electric Revenue Increases Among Service Schedules and Proposed Changes to Rates Within Schedules
<u>PDE-5</u>	Patrick D. Ehrbar			Avista's Current Natural Gas Tariffs
<u>PDE-6</u>	Patrick D. Ehrbar			Proposed Natural Gas Tariff Sheets for January 1, 2017, and January 1, 2018
<u>PDE-7</u>	Patrick D. Ehrbar			Proposed Spread of the January 1, 2017, and January 1, 2018, Natural Gas Revenue Increase Among Service Schedules and Proposed Changes to Rates Within Schedules
<u>PDE-8T</u>	Patrick D. Ehrbar			Prefiled Rebuttal Testimony of Patrick D. Ehrbar (18 pages) (9/19/16)
CROSS-EXAMINATION EXHIBITS				
<u>PDE-____</u>	PUBLIC COUNSEL			Avista Response to ICNU Data Request No. 36, with Attachment A
<u>PDE-____</u>	PUBLIC COUNSEL			Avista Response to ICNU Data Request No. 10C (Non-Confidential Response Only)
<u>PDE-____</u>	PUBLIC COUNSEL			Avista Response to ICNU Data Request No. 37
Grant D. Forsyth, Chief Economist, Avista				
<u>GDF-1T</u>	Grant D. Forsyth			Prefiled Rebuttal Testimony of Grant D. Forsyth

EXHIBIT LIST
Avista 2016 GRC
Dockets UE-160228 and UG-160229

				(15 pages) (9/19/16)
<u>GDF-2</u>	Grant D. Forsyth			Technical Appendix
CROSS-EXAMINATION EXHIBITS				
GDF-____	PUBLIC COUNSEL			U.S. Department of Commerce Metropolitan Statistical Area - WA
Kelly O. Norwood, Vice President of State and Federal Regulation, Avista				
<u>KON-1T</u>	Kelly O. Norwood			Prefiled Rebuttal Testimony of Kelly O. Norwood (49 pages) (9/19/16)
CROSS-EXAMINATION EXHIBITS				
COMMISSION REGULATORY STAFF				
Joanna Huang, Regulatory Analyst				
<u>JH-1T</u>	Joanna Huang			Prefiled Response Testimony of Joanna Huang Re: Results of Operations and Revenue Requirements, Pro Forma Policy, Pro Forma Rate Base Adjustments, Restating and Pro Forma Property Tax, Pro Forma O&M Offsets (23 pages) (8/17/16)
<u>JH-2</u>	Joanna Huang			Electric Pro Forma Analysis
<u>JH-3</u>	Joanna Huang			Natural Gas Pro Forma Analysis
<u>JH-4</u>	Joanna Huang			Avista Updated Electric and Natural Gas Pro Forma Cross Check Study; Excerpt from Avista's Response to UTC Staff Data Request No. 91, Supplement 2, Attachments F and G; Pro Forma Capital Addition for 2015 (Electric- 3.09, Gas-3.08)
<u>JH-5</u>	Joanna Huang			Major Electric ER Transfers as of July 31, 2016; Pro

EXHIBIT LIST
Avista 2016 GRC
Dockets UE-160228 and UG-160229

				Forma 2016 Limited Capital Addition (Electric-3.10)
<u>JH-6</u>	Joanna Huang			Major Natural Gas ER Transfers as of July 31, 2016; Pro Forma 2016 Limited Capital Addition (Gas – 3.09)
<u>JH-7</u>	Joanna Huang			Restate Property Tax (Adjustments 2.02 Electric, 2.02 Gas)
<u>JH-8</u>	Joanna Huang			Pro Forma Property Tax (Adjustments 3.06 Electric, 3.04 Gas)
<u>JH-9</u>	Joanna Huang			Pro Forma O&M Offsets (Adjustments 3.10 Gas)
CROSS-EXAMINATION EXHIBITS				
Jason Ball, Regulatory Analyst				
<u>JLB-1T</u>	Jason Ball			Prefiled Response Testimony of Jason Ball Re: Cost of Service, Rate Design, Rate Spread (19 pages) (8/17/16)
<u>JLB-2</u>	Jason Ball			Comparison of Rate Spread Proposals
<u>JLB-3</u>	Jason Ball			Staff Electric Rate Design
<u>JLB-4</u>	Jason Ball			Staff Natural Gas Rate Design
<u>JLB-5T</u>	Jason Ball			Prefiled Cross-Answering Testimony of Jason Ball (5 pages) (9/19/16)
CROSS-EXAMINATION EXHIBITS				
Melissa Cheesman, Regulatory Analyst				
<u>MC-1T</u>	Melissa Cheesman			Prefiled Response Testimony of Melissa Cheesman Re: Restating Incentive Expenses, Pro Forma Employee Benefits, Pro Forma Pipeline Safety Labor, Pro Forma Meter Deferral & Amortization (21 pages)

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

				(8/17/16)
<u>MC-2</u>	Melissa Cheesman			Restate Short-Term Incentive Expense
<u>MC-3</u>	Melissa Cheesman			Avista's Initially Filed Restate Incentive Expenses
<u>MC-4</u>	Melissa Cheesman			Avista's Updated Restate Incentive Expenses (Avista's 2 nd Supplemental Response to Staff Data Request No. 91)
<u>MC-5</u>	Melissa Cheesman			Avista's Response to Staff Data Request 130
<u>MC-6</u>	Melissa Cheesman			Avista's Response to Staff Data Request 129
<u>MC-7</u>	Melissa Cheesman			Avista's 2015 Incentive Plans
<u>MC-8</u>	Melissa Cheesman			Avista's Response to Staff Data Request 102
<u>MC-9</u>	Melissa Cheesman			Pro Forma Employee Benefits (Electric 3.04, Gas 3.02)
<u>MC-10</u>	Melissa Cheesman			Avista's Initially Filed Pro Forma Employee Benefits (Electric 3.04, Gas 3.02)
<u>MC-11</u>	Melissa Cheesman			Avista's Updated Pro Forma Employee Benefits (Electric 3.04, Gas 3.02)
<u>MC-12</u>	Melissa Cheesman			Avista's Initially Filed Pro Forma Pipeline Safety Labor (Gas 3.03)
<u>MC-13</u>	Melissa Cheesman			Avista's Response to Staff Data Request 134 and 135
<u>MC-14</u>	Melissa Cheesman			Avista's Response to Staff Data Request 136
<u>MC-15</u>	Melissa Cheesman			Pipeline FTE Alternative
<u>MC-16</u>	Melissa Cheesman			Staff DR 91 Supp. 2 Attachment A – Summary of Changes
<u>MC-17</u>	Melissa Cheesman			Avista's Response to Staff Data Request 161 and 162
CROSS-EXAMINATION EXHIBITS				
David Gomez				
<u>DG-1T</u>	David Gomez			Prefiled Response Testimony of David Gomez Re: Pro

EXHIBIT LIST
Avista 2016 GRC
Dockets UE-160228 and UG-160229

				Forma Power Supply Expense (11 pages) (8/17/16)
<u>DG-2</u>	David Gomez			Power Supply Adjustment Pro Forma – 09.2015 Historical Loads (Staff)
<u>DG-3</u>	David Gomez			Avista Response to UTC Staff Data Request No. 146
CROSS-EXAMINATION EXHIBITS				
Christopher Hancock, Regulatory Analyst				
<u>CSH-1T</u>	Christopher Hancock			Prefiled Response Testimony of Christopher Hancock Re: Policy, Electric, and Natural Gas Attrition Studies (62 pages) (8/17/16)
<u>CSH-2</u>	Christopher Hancock			Derivation of Electric Attrition Adjustment
<u>CSH-3</u>	Christopher Hancock			Derivation of Natural Gas Attrition Adjustment
<u>CSH-4</u>	Christopher Hancock			Electric Attrition Study 12 Months Ending December 2017
<u>CSH-5</u>	Christopher Hancock			Natural Gas Attrition Study 12 Months Ending December 2017
<u>CSH-6</u>	Christopher Hancock			Electric Attrition Study 12 Months Ending June 2018
<u>CSH-7</u>	Christopher Hancock			Natural Gas Attrition Study 12 Months Ending June 2018
<u>CSH-8</u>	Christopher Hancock			Growth in Plant, by FERC Account, for Electric Service
<u>CSH-9</u>	Christopher Hancock			Growth in Plant, by FERC Account, for Natural Gas Service
<u>CSH-10T</u>	Christopher Hancock			Prefiled Cross-Answering Testimony of Christopher Hancock (10 pages) (9/19/16)
CROSS-EXAMINATION EXHIBITS				
<u>CSH-_____</u>	PUBLIC COUNSEL			U.S. Bureau of Labor Statistics Data Annual PPI and 12-month % Change

EXHIBIT LIST
Avista 2016 GRC
Dockets UE-160228 and UG-160229

CSH-____	PUBLIC COUNSEL			U.S. Energy Information Administration - Henry Hub Natural Gas Spot Prices 1997-2016
CSH-____	PUBLIC COUNSEL			Employee Security Department of Washington Labor Market Information
CSH-____	PUBLIC COUNSEL			Employee Security Department of Washington - Median Hourly Wage, Unadjusted, All Industries Except Federal Government, Household Employers, and DSHS/COPEs Employment.
Jing Liu, Regulatory Analyst				
JL-1T	Jing Liu			Prefiled Response Testimony of Jing Liu Re: Low Income Rate Assistance Program (11 pages) (8/17/16)
CROSS-EXAMINATION EXHIBITS				
David Nightingale, Senior Regulatory Engineering Specialist				
DN-1T	David Nightingale			Prefiled Response Testimony of David Nightingale Re: Deferring Prudence Review and Cost Recovery of Avista's Advance Metering Infrastructure Project (8 pages) (8/17/16)
CROSS-EXAMINATION EXHIBITS				
Elizabeth O'Connell, Regulatory Analyst				
ECO-1T	Elizabeth O'Connell			Prefiled Response Testimony of Elizabeth O'Connell Re: Plant Held for Future Use, Montana Riverbed Lease Expense, and Pro Forma Regulatory Amortization – BPA Settlement Deferral (12 pages) (8/17/16)
ECO-2	Elizabeth O'Connell			Deferred Debits and Credits

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

				Workpapers
<u>ECO-3</u>	Elizabeth O'Connell			Avista's Response to ICNU Data Request No. 115
<u>ECO-4</u>	Elizabeth O'Connell			Avista's Plant Held for Future use Workpapers
<u>ECO-5</u>	Elizabeth O'Connell			Avista's Response to Staff Data Request No. 109
<u>ECO-6</u>	Elizabeth O'Connell			Avista's Response to Staff Data Request No. 108
<u>ECO-7</u>	Elizabeth O'Connell			Avista's Response to Staff Data Request No. 112
<u>ECO-8</u>	Elizabeth O'Connell			Avista's Response to ICNU Data Request No. 114
<u>ECO-9C</u>	Elizabeth O'Connell			***CONFIDENTIAL*** Avista's Response to Staff Data Request No. 153
<u>ECO-10</u>	Elizabeth O'Connell			Pro Forma Regulatory Amortization Adjustment Workpapers
<u>ECO-11</u>	Elizabeth O'Connell			Avista's Third Supplemental Response to Staff Data Request No. 91, Attachment A
CROSS-EXAMINATION EXHIBITS				
David Parcell, President and Senior Economist of Technical Associates, Inc., Consultant for Staff				
<u>DCP-1T</u>	David Parcell for Commission Staff			Prefiled Response Testimony of David Parcell Re: Cost of Capital (55 pages) (8/17/16)
<u>DCP-2</u>	David Parcell for Commission Staff			Background and Experience Profile
<u>DCP-3</u>	David Parcell for Commission Staff			Avista Total Cost of Capital
<u>DCP-4</u>	David Parcell for Commission Staff			Economic Indicators
<u>DCP-5</u>	David Parcell for Commission Staff			Avista History of Credit Ratings
<u>DCP-6</u>	David Parcell for Commission Staff			Avista Capital Structure Ratios
<u>DCP-7</u>	David Parcell for Commission Staff			AUS Utility Reports Electric Utility Groups – Average

EXHIBIT LIST
Avista 2016 GRC
Dockets UE-160228 and UG-160229

				Common Equity Ratios
<u>DCP-8</u>	David Parcell for Commission Staff			Proxy Companies Basis for Selection
<u>DCP-9</u>	David Parcell for Commission Staff			Proxy Companies DCF Cost Rates
<u>DCP-10</u>	David Parcell for Commission Staff			Standard & Poor's 500 Composite ROE and M/B
<u>DCP-11</u>	David Parcell for Commission Staff			Proxy Companies CAPM Cost Rates
<u>DCP-12</u>	David Parcell for Commission Staff			Proxy Companies ROE and M/B
<u>DCP-13</u>	David Parcell for Commission Staff			Standard & Poor's 500 Composite Returns and Market-to-Book Ratios
<u>DCP-14</u>	David Parcell for Commission Staff			Risk Indicators
<u>DCP-15</u>	David Parcell for Commission Staff			Update/Corrections to McKenzie DCF Analyses
<u>DCP-16</u>	David Parcell for Commission Staff			Risk Indicators of Electric Utilities by Sizes
CROSS-EXAMINATION EXHIBITS				
PUBLIC COUNSEL				
Glenn A. Watkins, Principal and Senior Economist with Technical Associates, Inc. for Public Counsel				
<u>GAW-1T</u>	Glenn A. Watkins for Public Counsel			Prefiled Response Testimony of Glenn A. Watkins (30 pages) (8/17/16)
<u>GAW-2</u>	Glenn A. Watkins for Public Counsel			Background and Experience of Glenn A. Watkins
<u>GAW-3</u>	Glenn A. Watkins for Public Counsel			Avista Response to Public Counsel Data Request No. 3 Attachment A – Excel Only (Avista Results of Operations Report 2007) Attachment B – Excel Only (Avista Results of Operations Report 2008) Attachment C – Excel Only (Avista Results of Operations Report 2009)

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

				<p>Attachment D – Excel Only (Avista Results of Operations Report 2010)</p> <p><u>Attachment E</u> – Excel Only (Avista Results of Operations Report 2011)</p> <p><u>Attachment F</u> – Excel Only (Avista Results of Operations Report 2012)</p> <p><u>Attachment G</u> – Excel Only (Avista Results of Operations Report 2013)</p> <p><u>Attachment H</u> – Excel Only (Avista Results of Operations Report 2014)</p> <p><u>Attachment I</u> – Excel Only (Avista Results of Operations Report 2015)</p>
GAW-4	Glenn A. Watkins for Public Counsel			<p>Avista Response to Public Counsel Data Request No. 7 (Available in Electronic Format Only)</p> <p>Attachment A – Excel Only (2007 Electric CBR)</p> <p>Attachment B – Excel Only (2008 Electric CBR)</p> <p>Attachment C – Excel Only (2009 Electric CBR)</p> <p><u>Attachment D</u> – Excel Only (2010 Electric CBR)</p>
<u>GAW-5</u>	Glenn A. Watkins for Public Counsel			<p>Avista’s Response to ICNU Data Request No. 104</p> <p>Attachment A – Excel Only (2011 Electric CBR)</p> <p>Attachment B – Excel Only (2011 Gas CBR)</p> <p>Attachment C – Excel Only (2012 Electric CBR)</p> <p><u>Attachment D</u> – Excel Only (2012 Natural Gas CBR)</p> <p><u>Attachment E</u> – Excel Only (2013 Electric CBR)</p> <p><u>Attachment F</u> – Excel Only</p>

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

				(2013 Natural Gas CBR) Attachment G – Excel Only (2014 Electric CBR) Attachment H – Excel Only (2014 Natural Gas CBR) Attachment I – Excel Only (2015 Electric CBR) Attachment J – Excel Only (2015 Natural Gas CBR)
GAW-6	Glenn A. Watkins for Public Counsel			Avista Response to Public Counsel Data Request No. 24 Attachment A
GAW-7	Glenn A. Watkins for Public Counsel			Avista Response to Public Counsel Data Request No. 29
GAW-8	Glenn A. Watkins for Public Counsel			Avista Response to Public Counsel Data Request No. 10 Attachment A
GAW-9	Glenn A. Watkins for Public Counsel			Avista Response to Public Counsel Data Request No. 14
GAW-10	Glenn A. Watkins for Public Counsel			Avista Response to Public Counsel Data Request No. 8 (Available in Electronic Format Only) Attachment A – Excel Only (2007 Natural Gas CBR) Attachment B – Excel Only (2008 Natural Gas CBR) Attachment C – Excel Only (2009 Natural Gas CBR) Attachment D – Excel Only (2010 Natural Gas CBR)
GAW-11	Glenn A. Watkins for Public Counsel			Avista Response to Public Counsel Data Request No. 31
GAW-12	Glenn A. Watkins for Public Counsel			Avista Response to Public Counsel Data Request No. 30
GAW-13	Glenn A. Watkins for Public Counsel			Avista Response to Public Counsel Data Request No. 15
GAW-14	Glenn A. Watkins for Public Counsel			Avista Washington Electric Payroll and Total Electric Labor Expense and Capital Accounts
CROSS-EXAMINATION EXHIBITS				

EXHIBIT LIST
Avista 2016 GRC
Dockets UE-160228 and UG-160229

PUBLIC COUNSEL AND ENERGY PROJECT				
Barbara R. Alexander, Consumer Affairs Consultant for Public Counsel and the Energy Project				
<u>BRA-1T</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Prefiled Response Testimony of Barbara R. Alexander (61 pages) (8/17/16)
<u>BRA-2</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Barbara R. Alexander Qualifications
<u>BRA-3</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 40 <u>Attachment A</u> (AMI-Related Costs at Proposed Rate of Return)
<u>BRA-4</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 47 Revised <u>Attachment A</u> (Estimated Net Revenue Requirement and Percent of Total Revenue Requirement for Each Year of the Washington Advanced Metering Project)
<u>BRA-5</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 49 Revised <u>Attachment A</u> (Estimated AMI Net Revenue Requirement per Bill)
<u>BRA-6</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 7
<u>BRA-7</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 15
<u>BRA-8</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 17
<u>BRA-9</u>	Barbara R. Alexander			Avista Response to Public

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

	for Public Counsel and the Energy Project			Counsel/Energy Project Data Request No. 19
<u>BRA-10</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 22
<u>BRA-11</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 26
<u>BRA-12</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Total Number of Field Interactions, 2009 through 2013 YTD for all Regulated Energy Utilities
<u>BRA-13</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 32
<u>BRA-14</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 58
<u>BRA-15</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 28
<u>BRA-16</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 59 Revised <u>Attachment A</u> (“Avista Utilities’ Conservation Voltage Reduction Program Impact Evaluation,” prepared for Northwest Energy Efficiency Alliance by Navigant Consulting, Inc. (May 1, 2014))
<u>BRA-17</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 61
<u>BRA-18</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 67
<u>BRA-19</u>	Barbara R. Alexander for Public Counsel and the Energy Project			“Avista Smart Grid Demonstration Project Study and Analysis of Customer

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

				Energy Usage,” prepared by Sullivan, Churchwell, Blundell, and Hartmann of Freeman, Sullivan & Co. for Avista (October 22, 2013)
<u>BRA-20</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 31
<u>BRA-21</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 29
<u>BRA-22</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 50 <u>Attachment A</u> (Smart Metering & Infrastructure Program Business Case, prepared by BC Hydro)
<u>BRA-23</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 89 (Non-Confidential Version)
<u>BRA-24</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 6
<u>BRA-25</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 78 (Non-Confidential Version)
<u>BRA-26</u>	Barbara R. Alexander for Public Counsel and the Energy Project			“Estimated Value of Service Reliability for Electric Utility Customers in the United States,” by Sullivan, Mercurio, and Schellenberg; Ernest Orlando Lawrence Berkeley National Laboratory (June 2009)
<u>BRA-27</u>	Barbara R. Alexander for Public Counsel and the Energy Project			“Updated Value of Service Reliability Estimates for Electric Utility Customers in the United States,” by Sullivan, Schellenberg, and

EXHIBIT LIST
Avista 2016 GRC
Dockets UE-160228 and UG-160229

				Blundell; Ernest Orlando Lawrence Berkeley National Laboratory (January 2015)
<u>BRA-28</u>	Barbara R. Alexander for Public Counsel and the Energy Project			“Contingent Valuation: from Dubious to Hopeless,” by Jerry Hausman; Journal of Economic Perspectives – Volume 26, Number 4 – Fall 2012 – Pages 43-56
<u>BRA-29</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 55
<u>BRA-30</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 56
<u>BRA-31</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 92
<u>BRA-32</u>	Barbara R. Alexander for Public Counsel and the Energy Project			“Time-Varying and Dynamic Rate Design” by Faruqui, Hledik, and Palmer of the Brattle Group for the Regulatory Assistance Project (excerpt)
<u>BRA-33</u>	Barbara R. Alexander for Public Counsel and the Energy Project			Avista Response to Public Counsel/Energy Project Data Request No. 48
CROSS-EXAMINATION EXHIBITS				
ICNU AND NWIGU				
Bradley G. Mullins, Independent Energy and Utilities Consultant for ICNU and NWIGU				
<u>BGM-1TC</u>	Bradley G. Mullins for ICNU and NWIGU			***CONFIDENTIAL*** Prefiled Response Testimony of Bradley G. Mullins (57 pages) (8/17/16)
<u>BGM-2</u>	Bradley G. Mullins for ICNU and NWIGU			Regulatory Appearances of Bradley G. Mullins
<u>BGM-3</u>	Bradley G. Mullins for ICNU and NWIGU			Electric Attrition Allowance Model

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

<u>BGM-4</u>	Bradley G. Mullins for ICNU and NWIGU			Natural Gas Attrition Allowance Model
<u>BGM-5</u>	Bradley G. Mullins for ICNU and NWIGU			Electric Traditional Revenue Requirement Calculations
<u>BGM-6</u>	Bradley G. Mullins for ICNU and NWIGU			Natural Gas Traditional Revenue Requirement Calculations
<u>BGM-7</u>	Bradley G. Mullins for ICNU and NWIGU			Low-Voltage Use-of-Facilities FERC Filing and Excerpt of BPA Presentation
<u>BGM-8</u>	Bradley G. Mullins for ICNU and NWIGU			Open Access Transmission Tariff Ancillary Service FERC Filing
<u>BGM-9</u>	Bradley G. Mullins for ICNU and NWIGU			Company Responses to Data Requests
<u>BGM-10T</u>	Bradley G. Mullins for ICNU and NWIGU			Prefiled Cross-Answering Testimony of Bradley G. Mullins (17 pages) (9/19/16)
<u>BGM-11</u>	Bradley G. Mullins for ICNU and NWIGU			Updated Electric Attrition Allowance Model
<u>BGM-12</u>	Bradley G. Mullins for ICNU and NWIGU			Updated Natural Gas Attrition Allowance Model
<u>BGM-13</u>	Bradley G. Mullins for ICNU and NWIGU			Updated Electric Traditional Revenue Requirement Calculations
<u>BGM-14</u>	Bradley G. Mullins for ICNU and NWIGU			Updated Natural Gas Traditional Revenue Requirement Calculations
CROSS-EXAMINATION EXHIBITS				
ICNU				
Michael P. Gorman, Consultant and Managing Principal, Brubaker & Associates, Inc. for ICNU				
<u>MPG-1T</u>	Michael P. Gorman for ICNU			Prefiled Response Testimony of Michael P. Gorman (65 pages) (8/17/16)
<u>MPG-2</u>	Michael P. Gorman for ICNU			Qualifications of Michael P. Gorman

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

<u>MPG-3</u>	Michael P. Gorman for ICNU			Rate of Return
<u>MPG-4</u>	Michael P. Gorman for ICNU			Valuation Metrics
<u>MPG-5</u>	Michael P. Gorman for ICNU			Proxy Group
<u>MPG-6</u>	Michael P. Gorman for ICNU			Consensus Analysts' Growth Rates
<u>MPG-7</u>	Michael P. Gorman for ICNU			Constant Growth DCF Model (Consensus Analysts' Growth Rates)
<u>MPG-8</u>	Michael P. Gorman for ICNU			Payout Ratios
<u>MPG-9</u>	Michael P. Gorman for ICNU			Sustainable Growth Rate
<u>MPG-10</u>	Michael P. Gorman for ICNU			Constant Growth DCF Model (Sustainable Growth Rate)
<u>MPG-11</u>	Michael P. Gorman for ICNU			Electricity Sales are Linked to U.S. Economic Growth
<u>MPG-12</u>	Michael P. Gorman for ICNU			Multi-Stage Growth DCF Model
<u>MPG-13</u>	Michael P. Gorman for ICNU			Common Stock Market/Book Ratio
<u>MPG-14</u>	Michael P. Gorman for ICNU			Equity Risk Premium – Treasury Bond
<u>MPG-15</u>	Michael P. Gorman for ICNU			Equity Risk Premium – Utility Bond
<u>MPG-16</u>	Michael P. Gorman for ICNU			Bond Yield Spreads
<u>MPG-17</u>	Michael P. Gorman for ICNU			Treasury and Utility Bond Yields
<u>MPG-18</u>	Michael P. Gorman for ICNU			Value Line Beta
<u>MPG-19</u>	Michael P. Gorman for ICNU			CAMP Return
<u>MPG-20</u>	Michael P. Gorman for ICNU			Standard & Poor's Credit Metrics

CROSS-EXAMINATION EXHIBITS

Robert R. Stephens, Consultant and Principal of Brubaker & Associates, Inc. for ICNU

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

<u>RRS-1TC</u>	Robert R. Stephens for ICNU			***CONFIDENTIAL*** Prefiled Response Testimony of Robert R. Stephens (47 pages) (8/17/16)
<u>RRS-2</u>	Robert R. Stephens for ICNU			Qualifications of Robert R. Stephens
<u>RRS-3</u>	Robert R. Stephens for ICNU			Monthly Peak Demands as a Percent of the Annual System Peak
<u>RRS-4</u>	Robert R. Stephens for ICNU			Allocation of System Peak Day Capacity
<u>RRS-5</u>	Robert R. Stephens for ICNU			Production-Related Costs Allocated Using a Summer and Winter Peak Method
<u>RRS-6</u>	Robert R. Stephens for ICNU			Production-Related Costs Allocated Using a Summer and Winter Peak Method (Peak Credit)
<u>RRS-7</u>	Robert R. Stephens for ICNU			Excerpt of Section 34 of Avista's Open Access Transmission Tariff
<u>RRS-8</u>	Robert R. Stephens for ICNU			Modifications for Production-Related Cost Allocation and Transmission Cost Allocation
<u>RRS-9C</u>	Robert R. Stephens for ICNU			***CONFIDENTIAL*** ICNU DSM Proposal
<u>RRS-10</u>	Robert R. Stephens for ICNU			Schedule 78 – Large Customer Demand Response Pilot Program
<u>RRS-11C</u>	Robert R. Stephens for ICNU			***CONFIDENTIAL*** Avista Responses to Data Requests
<u>RSS-12T</u>	Robert R. Stephens for ICNU			Prefiled Cross-Answering Testimony of Robert R. Stephens (9 pages) (9/19/16)
CROSS-EXAMINATION EXHIBITS				

EXHIBIT LIST
 Avista 2016 GRC
 Dockets UE-160228 and UG-160229

NWIGU				
Brian C. Collins, Consultant and Principal of Brubaker & Associates, Inc. for NWIGU				
<u>BCC-1T</u>	Brian C. Collins for NWIGU			Prefiled Response Testimony of Brian C. Collins (28 pages) (8/17/16)
<u>BCC-2</u>	Brian C. Collins for NWIGU			Qualifications of Brian C. Collins
<u>BCC-3</u>	Brian C. Collins for NWIGU			Summary of Natural Gas Margin
<u>BCC-4</u>	Brian C. Collins for NWIGU			Distribution Net Plant Allocation
<u>BCC-5</u>	Brian C. Collins for NWIGU			Allocation of System Peak Day Capacity
<u>BCC-6T</u>	Brian C. Collins for NWIGU			Prefiled Cross-Answering Testimony of Brian C. Collins (7 pages) (9/19/16)
CROSS-EXAMINATION EXHIBITS				