

Side-by-Side Comparison of Subscription and Regional Dialogue Slice/Block Contracts

Subscription	Regional Dialogue April 14 Draft	Comments
<p>1. TERM</p> <p>2. DEFINITIONS</p> <p>3. APPLICABLE RATES</p> <p style="margin-left: 20px;">(a) Priority Firm Power Rate</p> <p style="margin-left: 40px;">(1) Block Power</p> <p style="margin-left: 40px;">(2) Slice Output</p> <p style="margin-left: 20px;">(b) New Resource Firm Power Rate</p> <p style="margin-left: 20px;">(c) Firm Power Products and Services Rate</p> <p>4. BLOCK AND SLICE PRODUCTS</p> <p style="margin-left: 20px;">(a) Block Product</p> <p style="margin-left: 40px;">(1) Block Power Purchases Under PF Rate Schedule</p> <p style="margin-left: 40px;">(2) NLSL Block Power Purchases Under NR Rate Schedule</p> <p style="margin-left: 40px;">(3) Right to Purchase Block Power for the CY 2007 through 2011 Period</p> <p style="margin-left: 40px;">(3) Block Power Purchased for CY 2002 through 2011 Period</p>	<p>1. TERM</p> <p>2. DEFINITIONS</p> <p>5. APPLICABLE RATES</p> <p style="margin-left: 20px;">(a) Priority Firm Power Rates and Contract High Water Mark</p> <p style="margin-left: 40px;">(1) Rate Period High Water Mark and Amount of Power Priced at Tier 1 PF Power Rate</p> <p style="margin-left: 40px;">(2) Calculation of Power Priced at Tier 2 PF Rate</p> <p style="margin-left: 40px;">(3) Purchase Obligation for Load Service Above-RHWM</p> <p style="margin-left: 40px;">(4) Contract Demand Quantities</p> <p style="margin-left: 20px;">(b) New Resource Firm Power Rate</p> <p style="margin-left: 20px;">(c) Firm Power Products and Services Rate</p> <p style="margin-left: 20px;">(d) Additional Charges</p> <p>3. SLICE/BLOCK POWER PURCHASE OBLIGATION</p> <p style="margin-left: 20px;">(a) Block Product</p> <p style="margin-left: 40px;">(1) Purchase and Sale of Block Product</p> <p style="margin-left: 40px;">(2) Block Product General Description</p> <p style="margin-left: 40px;">(3) Block Product Shapes</p> <p style="margin-left: 60px;">(A) Tier 1 Block Power Shapes</p> <p style="margin-left: 60px;">(B) Tier 2 Block Power Shape</p> <p style="margin-left: 60px;">(C) Shaping Restrictions</p>	<p>Applicable Rates moved to section 5 and are established in the TRM.</p> <p>Block product section is expanded due to Tiering</p>

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<p style="text-align: center;">Requirement</p> <p>(C) Costs Excluded from the Slice Revenue Requirement</p> <p>(D) Credits</p> <p style="padding-left: 20px;">(i) Systemwide Credits</p> <p style="padding-left: 20px;">(ii) Transmission Surcharge</p> <p style="padding-left: 20px;">(iii) Credit for Excluded Salary Costs</p> <p>(E) Credit for Payments of Initial Implementation Expenses</p> <p>(F) Inapplicability of Cost Recovery Adjustment Clause (CRAC) and the Dividend Distribution Clause (DDC)</p> <p>(G) Inventory Solution</p> <p style="padding-left: 20px;">(i) Forecasted Inventory Solution</p> <p style="padding-left: 20px;">(ii) Net Cost of the Inventory Solution.</p> <p style="padding-left: 20px;">(iii) Inclusion of Net Cost of the Inventory Solution in the Slice Revenue Requirement</p> <p style="padding-left: 40px;">(I) First Rate Case Period (Contract Years 2002 through 2006)</p> <p style="padding-left: 40px;">(II) Second Rate Case Period (Contract Years 2007 through 2011)</p> <p style="padding-left: 60px;">(aa) Inventory Solution Limits</p> <p style="padding-left: 60px;">(bb) Preexisting Contracts</p> <p style="padding-left: 60px;">(cc) Public Agency Load Growth</p>		<p>Inventory Solution no longer applies.</p>
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<p>(iv) Options if Inventory Solution Limits Exceeded</p> <p>(6) True-Up Provisions</p> <p>(A) Unaudited Actual Slice Revenue Requirement and Estimated True-Up Adjustment Charge</p> <p>(B) Information Provided to «Customer Name» After BPA Audit</p> <p>(C) True-Up Adjustment Charge</p> <p style="padding-left: 20px;">(i) Annual True-Up for Actual Costs</p> <p style="padding-left: 40px;">(I) Slice Implementation Costs, Individual Charges, and Total Individual Charges</p> <p style="padding-left: 40px;">(II) Adjustments to the Actual Slice Revenue Requirement</p> <p style="padding-left: 40px;">(III) Allocation of Slice Implementation Costs</p> <p style="padding-left: 40px;">(IV) Calculation of the Annual True-Up</p> <p style="padding-left: 20px;">(ii) Forecasted Inventory Solution True-Up</p> <p>(D) Independent Audit by Slice Purchasers</p> <p style="padding-left: 20px;">(i) Audit Administration</p> <p style="padding-left: 20px;">(ii) Payment for Audit</p> <p style="padding-left: 40px;">(iii) Decision to Audit</p> <p style="padding-left: 40px;">(iv) Scope of the Audit</p> <p style="padding-left: 40px;">(v) Draft and Final Audit Reports</p>	<p>(14) True-Up Adjustment Charge</p>	<p>True-up mechanism and details are developed in the TRM.</p> <p>Placeholder for potential reference to TRM language.</p> <p>Audit language is replaced with “Verification” language per the TRM.</p>
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<ul style="list-style-type: none"> (vi) Records (vii) Information Exchange (viii) Audit Adjustments (E) Payment Resulting from True-Up Adjustment Charge (F) Disputes Regarding Individual Charges and Individual Credits (7) Resource Adjustments, Acquisitions, and Replacements <ul style="list-style-type: none"> (A) Physical Alterations to Slice System Resources (B) Public Purpose Resource Acquisitions (C) Slice Output Adjustment (D) FBS Replacement Resources (E) Resource Acquisitions Other Than FBS Replacement Resources or Public Purpose Resource Acquisitions (F) WNP-2 Displacement (8) Contract Implementation Group (9) Right to Convert to Other Requirements Power Products <ul style="list-style-type: none"> (A) «Customer Name» may terminate this Agreement by providing (no title) <ul style="list-style-type: none"> (i) Invalidity 	<ul style="list-style-type: none"> (9) Slice System Resource Adjustments, Acquisitions, and Replacements <ul style="list-style-type: none"> (A) Resource Acquisitions Under Section 6(m) of the Northwest Power Act (B) Columbia Generating Station Displacement Election (12) Slice Implementation Group <ul style="list-style-type: none"> (A) Definitions (B) Slice Implementation Group 	<p>Details moved from Exhibit J to the body.</p> <p>Similar language can be found in Section 23 – Termination.</p>
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<ul style="list-style-type: none"> (ii) Slice Rate or Slice Rate Methodology (iii) No Slice Output Available on a Forecasted Basis (iv) Transmission Conversion (v) «Customer Name» Authority (vi) 2002 BPA Power Rate Case Conversion (B) Right to Convert to Other Requirements Products (C) Expiration of Agreement According to its Terms (10) Waiver of Certain Claims for Damages (11) Selection of Alternative Requirements Power Product 	<ul style="list-style-type: none"> (10) Displacement of Columbia Generating Station (CGS) <ul style="list-style-type: none"> (A) Definitions (B) CGS Displacement Election (C) Election to Participate in CGS Displacement (D) Election Not to Participate in CGS Displacements (E) Operating Plan and Incremental Rate (11) Treatment of Augmentation <ul style="list-style-type: none"> (A) Entitlement to Augmentation (B) Adjustment of Slice Percentage for Other Augmentation 	<p>These details were moved from Exhibit J to the body for RD contract.</p> <p>Describes treatment of Existing and Other Augmentation per the TRM – details in Exhibit L.</p> <p>Creditworthiness placeholder to be completed once the issue is resolved.</p>
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<ul style="list-style-type: none"> (2) Determination of a Facility (3) Determination of Ten Average Megawatt Increase (4) CF/CT Loads (d) Priority of Pacific Northwest Customers (e) Prohibition on Resale (f) Use of Regional Resources (g) BPA Appropriations Refinancing Act <p>16. STANDARD PROVISIONS</p> <ul style="list-style-type: none"> (a) Amendments (b) Assignment (c) Information Exchange and Confidentiality (d) Entire Agreement (e) Exhibits (f) No Third-Party Beneficiaries (g) Waivers (h) BPA Policies (i) Severability (j) Rate Covenant 	<ul style="list-style-type: none"> (1) Determination of an NLSL (2) Determination of a Facility (3) Administrative Obligations and Rights((4) Metering an NLSL (03/30/08 Version) (5) Undetermined NLSLs (6) Service Elections for an NLSL (7) Renewable Resource/Cogeneration Exception (d) Priority of Pacific Northwest Customers (e) Prohibition on Resale (f) Use of Regional Resources (g) BPA Appropriations Refinancing <p>22. STANDARD PROVISIONS</p> <ul style="list-style-type: none"> (a) Amendments (b) Entire Agreement and Order of Precedence (c) Assignment (d) No Third-Party Beneficiaries (e) Waivers (f) BPA Policies 	
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	<ul style="list-style-type: none"> (b) Order of Removal – Second Fiscal Year of Rate Period (c) Extent of Removal for the First Fiscal Year of Each Rate Period (d) Extent of Removal for the Second Fiscal Year of Each Rate Period (e) Rounding of Tier 2 PF Rate Purchase Amounts (f) Remarketing of Federal Power Priced at Tier 2 PF Rates (g) Monthly Resource Removal <p>8. ONE-TIME RIGHT TO CHANGE PURCHASE OBLIGATION</p> <ul style="list-style-type: none"> (a) Notice to Change (b) Charge to Change Purchase Obligation (c) Change Confirmation (d) Agreement Replacement <p>14. INFORMATION EXCHANGE AND CONFIDENTIALITY</p> <ul style="list-style-type: none"> (a) General Requirements (b) Reports, Meter Data, and Load Data <ul style="list-style-type: none"> (1) Reports (2) Meter Data (3) Data for Determining CHWM and CDQ (4) Hourly Total Retail Load Data (5) Total Retail Load Forecast (c) Transparency of Net Requirements and Load Forecast Processes 	<p>Standard in all RD contracts.</p>
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	<ul style="list-style-type: none"> (1) Transparency for Net Requirements (2) Transparency for Above-RHWM Load Forecast Amounts (d) Confidentiality 15. CONSERVATION AND RENEWABLES <ul style="list-style-type: none"> (a) Conservation <ul style="list-style-type: none"> (1) Evaluations (2) Reporting Requirements (b) Renewable Resources <ul style="list-style-type: none"> (1) Renewable Energy Certificates (2) Reporting Requirements 16. RESOURCE ADEQUACY 20. NO WARRANTY 	
<p style="text-align: center;">Exhibit A RATE COMMITMENTS FOR BLOCK PRODUCT</p> <ul style="list-style-type: none"> 1. DEFINITIONS 2. PURCHASE DURATION <ul style="list-style-type: none"> (a) Purchase Duration with PF Off-Ramp (b) PF Off-Ramp Amounts (c) Canceling PF Off-Ramps 3. PRIORITY FIRM POWER RATE TREATMENT <ul style="list-style-type: none"> (a) Right to Lowest PF Rates 	<p style="text-align: center;">Exhibit C PURCHASE OBLIGATIONS</p> <ul style="list-style-type: none"> 1. FIRM REQUIREMENTS POWER PURCHASE OBLIGATION 2. BLOCK POWER AT TIER 1 RATES <ul style="list-style-type: none"> (a) Annual Amount of Block Power at Tier 1 Rates (b) Determination of Monthly Distribution Factors (c) Monthly Amounts of Block Power at Tier 1 Rates 3. FIRM REQUIREMENTS POWER AT TIER 2 PF <ul style="list-style-type: none"> (a) Tier 2 PF Load-Growth Rate 	<p>Determined in TRM and implemented in Exhibit A.</p>

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<ul style="list-style-type: none"> (b) Revisions to Priority Firm Power Rates (c) 3-Year Rates Treatment (c) 5-Year Rates Treatment (c) Rate Portfolio <ul style="list-style-type: none"> (1) Block Power Purchases at 3-Year Rates (2) Rate Treatment After 3-Year Rates Expire (3) Block Power Purchases at 5-Year Rates (4) If «Customer Name» chooses to establish Block Power amounts for (d) Cost-Based Indexed PF Rate and Flexible PF Rate Option <p>4. SPECIAL PF LOAD TREATMENT</p> <ul style="list-style-type: none"> (a) Annexed Loads (b) Environmentally Preferred Power <ul style="list-style-type: none"> (1) Environmentally Preferred Power (2) Northwest Public Interest Groups Endorsement (3) Disclosure, Reporting, and Adjustments (b) Environmentally Preferred Power (c) Returned Retail Load (d) Load Previously Served by «Customer Name» 5(b)(1)(A) and/or 5(b)(1)(B) Resources <p>5. NEW LARGE SINGLE LOADS</p> <p>6. REVISIONS</p>	<ul style="list-style-type: none"> (b) Tier 2 PF Vintage Rate(s) (c) Tier 2 PF Short-Term Rate <ul style="list-style-type: none"> (1) Notice Deadlines and Purchase Periods (2) Short-Term Rate Purchases (3) Vintage Rate Eligibility <ul style="list-style-type: none"> (A) Right to Convert (B) Conversion Costs (C) Exhibit Updates (d) Amounts of Power to be Billed at Tier 2 Rates (e) Flat Block <p>4. MONTHLY PF RATES</p> <p>5. REVISIONS</p>	
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<p style="text-align: center;">Exhibit B BILLING</p> <ol style="list-style-type: none"> 1. ENTITLEMENTS <ol style="list-style-type: none"> (a) Block Power Entitlements (b) NLSL Block Power Entitlements (c) Slice Entitlement 2. BLOCK AND SLICE PRODUCT BILLING PROVISIONS <ol style="list-style-type: none"> (a) Items to be Included on Expedited Bills (b) Items to be Included for Other Charges and Credits <ol style="list-style-type: none"> (1) Charges. (2) Credits. 3. UNAUTHORIZED INCREASE CHARGE 4. CONSERVATION AND RENEWABLES DISCOUNT 5. REVISIONS 		
<p style="text-align: center;">Exhibit C NET REQUIREMENTS</p> <ol style="list-style-type: none"> 1. ESTABLISHING NET REQUIREMENT <ol style="list-style-type: none"> (a) Initial Net Requirement <ol style="list-style-type: none"> (1) Total Retail Load Forecast (2) Initial Net Requirement 	<p style="text-align: center;">Exhibit A NET REQUIREMENTS</p> <ol style="list-style-type: none"> 1. ESTABLISHING NET REQUIREMENTS <ol style="list-style-type: none"> (a) Forecast of Total Retail Load (b) Forecast of Net Requirements (c) Forecast of Peak Net Requirement 	<p>Net Requirements are determined in the TRM and implemented in Exhibits A and C.</p>

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<ul style="list-style-type: none"> (b) Annual Update of Net Requirement <ul style="list-style-type: none"> (1) Updated Forecast of Total Retail Load (2) Review of Net Requirement Amounts <p>2. CUSTOMER RESOURCES</p> <ul style="list-style-type: none"> (a) Declared Output of Specific «Customer Name» Resources <ul style="list-style-type: none"> (1) Resource Name (2) Resource Name (b) Unspecified Resource Amounts Committed to Serve Total Retail Load <ul style="list-style-type: none"> (1) Unspecified Resources for Balancing Net Requirements (2) Specific Amounts Committed for Contract Term (3) Amounts Committed for 9(c) Decrements (c) Total Resource Amounts Committed to Serve Total Retail Load (d) «Customer Name» Resource Not Used to Serve Total Retail Load <p>3. NON-«CUSTOMER NAME» GENERATING RESOURCES</p> <p>4. CHANGES TO RESOURCE AMOUNTS</p> <ul style="list-style-type: none"> (a) Annual Right to Add New Renewable Resources (b) Resource Additions for a BPA Insufficiency Notice (c) Decrements for 9(c) Export (d) Permanent Resource Removal (e) Changes to Non-«Customer Name» Resources (f) Resource Additions for NLSL and Annexed Loads 	<p>2. REVISIONS</p> <p>3. RESOURCES DEDICATED TO TOTAL RETAIL LOAD</p> <ul style="list-style-type: none"> (a) Specified Resources (b) Unspecified Resource Amounts <p>4. CHANGES TO RESOURCE AMOUNTS</p> <ul style="list-style-type: none"> (a) Resource Additions for a BPA Insufficiency Notice (b) Decrements for 9(c) Export (c) Temporary Resource Removal (d) Permanent Discontinuance of Resources (e) Changes to Consumer-Owned Resources (f) Resource Additions for Annexed Loads (g) Resource Additions for NLSLs <p>5. SPECIFIED RESOURCES DEDICATED TO TOTAL RETAIL LOAD</p> <ul style="list-style-type: none"> (a) Generating Resources <ul style="list-style-type: none"> (1) «Resource Name» <ul style="list-style-type: none"> (A) Resource Profile (B) Dedicated Resource Amounts (C) Special Provisions (b) Contract Resources <p>6. UNSPECIFIED RESOURCE AMOUNTS DEDICATED TO TOTAL RETAIL LOAD</p> <ul style="list-style-type: none"> (a) Unspecified Resource Amounts 	
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<p>(g) Resource Additions for PF Off-Ramps</p> <p>(h) Annual Retail Load Loss and Resource Removal</p> <p>(i) Revisions for Changes in Resource Output</p> <p>5. REDUCTION OF PURCHASE AMOUNTS</p> <p>(a) Reductions Due to Net Requirements Changes</p> <p style="padding-left: 20px;">(1) Option if Slice is Selected First</p> <p style="padding-left: 20px;">(2) Option if Block is Selected First</p> <p>(b) Reductions Due to BPA's 9(c) Policy</p> <p>(c) Test to Ensure that an NLSL is Not Served with Block Power</p> <p>(d) Reductions in Block Power</p> <p>6. RESOURCE DECLARATIONS</p> <p>7. REVISIONS</p>	<p>(b) Unspecified Resource Amounts for 9(c) Export Decrements</p> <p>7. TOTAL RESOURCE AMOUNTS DEDICATED TO TOTAL RETAIL LOAD</p> <p>8. LIST OF RESOURCES NOT DEDICATED TO TOTAL RETAIL LOAD</p> <p style="padding-left: 20px;">(a) «Resource Name»</p> <p style="padding-left: 40px;">(1) Resource Profile</p> <p style="padding-left: 40px;">(2) Expected Resource Output</p>	<p>Previous Ex A, section 5 is now in Exhibit B (see below).</p>
<p style="text-align: center;">Exhibit D ADDITIONAL PRODUCTS AND SPECIAL PROVISIONS</p> <p>“#”. RATE MITIGATION AMOUNTS AND RATES</p> <p>(a) Monthly Meter Readings</p> <p>(b) Annual True-up</p> <p>(c) Renewal Term</p> <p>(d) Rate Revision</p> <p>(e) Conservation Incentive</p> <p>“#”. RELATIONSHIP WITH PRE-SUBSCRIPTION CONTRACT</p>	<p style="text-align: center;">Exhibit D ADDITIONAL PRODUCTS AND SPECIAL PROVISIONS</p> <p>1. NEW LARGE SINGLE LOADS</p> <p>(a) Potential NLSLs</p> <p>(b) List of NLSLs and CF/CTs</p> <p style="padding-left: 20px;">(1) NLSLs</p> <p style="padding-left: 20px;">(2) Renewable Resource/Cogeneration Exception</p> <p style="padding-left: 20px;">(3) CF/CT Loads</p> <p>2. IRRIGATION RATE MITIGATION</p>	

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<p>“#”. BPA APPROPRIATIONS REFINANCING ACT</p> <p>“#”. DETERMINATION OF COURT THAT HAS JURISDICTION</p> <p>“#”. (Drafter’s Note: List other products, e.g., Displacement, surplus sales to NLSLs and customized products, etc.)</p> <p>“#”. REVISIONS</p>	<p>3. RESOURCE SUPPORT SERVICES (a) Diurnal Flattening Service (DFS)</p> <p>(b) Forced Outage Reserves (FOR)</p> <p>4. REVISIONS</p>	
<p style="text-align: center;">Exhibit E SCHEDULING</p> <p>1. PURPOSE OF THIS EXHIBIT</p> <p>2. COORDINATION: GENERAL, PRESCHEDULE, REAL-TIME, AND AFTER-THE-FACT REQUIREMENTS</p> <p>(a) General Requirements</p> <p>(b) Prescheduling Requirements</p> <p>(1) Information Required for Any Preschedule</p> <p>(2) Preschedule Coordination</p> <p>(c) Real-Time Requirements</p> <p>(d) After-the-Fact Reconciliation Requirements</p> <p>3. DEFINITIONS AND ACRONYMS</p>	<p style="text-align: center;">EXHIBIT F POWER SCHEDULING</p> <p>1. SCHEDULING FEDERAL POWER</p> <p>2. COORDINATION REQUIREMENTS</p> <p>(a) Prescheduling</p> <p>(b) Real-Time Scheduling</p> <p>(c) After The Fact</p> <p>3. SLICE SCHEDULING REQUIREMENTS</p> <p>4. SCHEDULING DEADLINES</p> <p>(a) Input Variables Submissions Affecting Each Delivery Hour</p> <p>(b) Real-Time E-Tag Submissions Affecting Each Delivery Hour</p> <p>(c) Preschedule E-Tag Submissions</p> <p>5. SCHEDULING NON-FEDERAL POWER</p> <p>6. REVISIONS</p>	
<p style="text-align: center;">Exhibit F MAXIMUM SLICE PERCENTAGE; SELECTED SLICE PERCENTAGE</p> <p>1. MAXIMUM SLICE PERCENTAGE: _____</p>	<p style="text-align: center;">Exhibit J DETERMINATION OF INITIAL SLICE PERCENTAGE</p> <p>1. DEFINITIONS</p>	

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	<ol style="list-style-type: none"> 1. DEFINITIONS 2. INITIAL SLICE PERCENTAGE 3. ESTABLISHING THE OTHER AUGMENTATION ADJUSTMENT RATIO 4. DETERMINATION OF SLICE PERCENTAGE <ol style="list-style-type: none"> (a) Determination of Slice Percentage when Interim Power at Tier 1 Rates is Greater Than or Equal To Interim Critical Slice Amount (b) Determination of Slice Percentage when Interim Power at Tier 1 Rates is Less Than Interim Critical Slice Amount (c) Slice Percentage 5. REVISIONS 	
<p style="text-align: center;">Exhibit G SLICE PAYMENT</p> <ol style="list-style-type: none"> 1. Slice Rate = \$_____/percent of Slice/month 2. Slice Monthly Payment Amount = Line 1 × Line 2 of Exhibit F (expressed in decimal form) X 100 = \$_____/month 3. REVISION 		<p style="text-align: center;">As determined in the TRM.</p>
<p style="text-align: center;">Exhibit H SLICE SYSTEM</p> <ol style="list-style-type: none"> 1. HYDROELECTRIC PROJECTS <ol style="list-style-type: none"> (a) Projects currently with flexibility (b) Cyclic projects (c) Minor Projects (d) Southern Idaho Projects 	<p style="text-align: center;">Exhibit L SLICE SYSTEM RESOURCES</p> <ol style="list-style-type: none"> 1. SLICE SYSTEM RESOURCES 2. AUGMENTAION OF SLICE SYSTEM RESOURCES <ol style="list-style-type: none"> (a) Existing Public Augmentation (b) Other Augmentation 3. REVISIONS 	<p style="text-align: center;">Slice System resources will be equal to Tier 1 Resources per the TRM.</p>

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<p>(e) Willamette Projects</p> <p>2. THERMAL AND MISCELLANEOUS RESOURCES</p> <p>3. CONTRACTS</p> <p>4. REVISION</p>		
<p style="text-align: center;">Exhibit I SLICE REVENUE REQUIREMENTS</p> <p>1. SLICE REVENUE REQUIREMENTS</p> <p>2. REVISIONS</p>		<p>All as determined in the TRM.</p>
<p style="text-align: center;">Exhibit J TECHNICAL OPERATING PROCEDURES</p> <p>1. DEFINITIONS</p> <p>2. INTRODUCTION TO THE TECHNICAL OPERATING PROCEDURES (TOP)</p> <p style="margin-left: 20px;">(a) Principles of the TOP</p> <p style="margin-left: 20px;">(b) Federal Operating Decisions</p> <p style="margin-left: 20px;">(c) PBL's Use of «Customer Name»'s Unused Capacity</p> <p style="margin-left: 20px;">(d) Calculation of «Customer Name»'s Individual Limits</p>	<p style="text-align: center;">Exhibit M SLICE COMPUTER APPLICATION AND IMPLEMENTATION PROCEDURES</p> <p>1. DEFINITIONS</p>	<p>Many provisions of the current Exhibit J do not apply under the future Simulator concepts. Also, Exhibit M does not have titles for subsections, so this comparison may indicate many provisions are missing when they actually are not missing.</p>

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<p>(e) Rounding of Calculations</p> <p>(f) Model Descriptions</p> <p>(g) Confidentiality of Information</p> <p>(h) Other Charges</p> <p>3. CALCULATING THE SLICE SYSTEM STORAGE AND PONDAGE</p> <p>(a) Calculating the SSSE</p> <p>(b) Calculating the SSSB</p> <p>(c) Calculating the Pondage</p> <p style="padding-left: 40px;"><u>Formula 1</u></p> <p style="padding-left: 40px;"><u>Formula 2</u></p>	<p>17. CONFIDENTIALITY</p> <p>11. OPERATING CONSTRAINT VALIDATIONS, VIOLATIONS, AND PENALTY ASSESSMENT</p>	<p>BPA intends to declare all prospective operational information supplied to Slice customers as confidential.</p> <p>Storage and Pondage are still available, but as determined by the Simulator.</p>
<p>4. FORECASTED SLICE OUTPUT CALCULATION, PBL REAL-TIME ADJUSTMENTS, ELECTIVE SPILL DECLARATION, AND RAMP RATE CALCULATIONS</p> <p>(a) Calculating the ESSG</p> <p>(b) Projects With a Fixed Operation</p> <p>(c) Calculating the Estimated Seasonal Slice System Output</p> <p>(d) Calculating the 90- Day Estimated Weekly SSSB</p> <p>(e) Calculating the Maximum and Minimum Daily ESSG</p> <p>(f) Calculating the Daily ESSG Assuming a Pass-Inflow Operation</p> <p>(g) Calculating the Hourly Maximum ESSG</p>	<p>15. 12-MONTH FORECAST OF SLICE OUTPUT</p> <p>14. 90-DAY FORECAST OF SLICE OUTPUT</p>	<p>The Simulator calculates these operational attributes.</p> <p>These reports will continue to be supplied for the RD contract.</p>

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<p>(1) «Customer Name» may utilize transfers of energy from or to its....</p> <p>(2) «Customer Name» shall adjust its AESO in compliance with one of....</p> <p>(3) Applied gmSpill and the Grace Margin Spill Account</p> <p>(4) Unauthorized Increase Charge for Applied gmUAI</p> <p>7. Slice Participant’s Daily Slice Storage Deviation Account (SSDA) Balance, Allocation Of Elective Spill, Pondage Account, and Critical Slice Amount Adjustment Account</p> <p>(a) Calculation of ANSSG</p> <p>(b) Initial Balances</p> <p>(c) Daily Measurement of the actual SSSE</p> <p>(d) Daily Calculation of the SSDA Balance</p> <p><u>Formula 7</u> <u>Formula 8</u></p> <p>(e) Termination of Agreement and Slice Participant’s SSDA Balance</p> <p>(f) Adjustments During Fixed Flow and Declared Elective Spill Condition for TOP HLH</p> <p>(1) Pondage Calculation</p> <p>(2) dSSDA Calculation</p> <p>(3) Allocation of Expenses Associated with Elective Spill</p> <p>(4) Daily Maximum ESSG</p> <p>(5) TOP HLH Maximum ESSG for the Rest of the System</p>	<p>(c) Application of The Grand Coulee PSB</p> <p>8. STORAGE AND DEVIATION ACCOUNTING</p>	<p>There will be storage deviation accounts for each of the Simulator projects as well as an energy deviation account for the BOSS Complex.</p> <p>Fixed Flow concept no longer applies, and elective spill is implemented through the Simulator.</p>
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Side-by-Side Comparison of Subscription and Regional Dialogue Slice/Block Contracts

<p>11. WNP-2 DISPLACEMENT</p> <ul style="list-style-type: none"> (a) Displacement Election (b) Shutdown Election (c) Rights to Additional Energy 		<p>CGS displacement moved to section 3(b)(10) of the body (similar to today).</p>
<p>12. PNCA</p> <ul style="list-style-type: none"> (a) Interchange Energy <ul style="list-style-type: none"> (1) Requests of Interchange Energy (2) Related Energy Adjustments (3) Payments (4) Priority of Returns (5) Adjustment to System Obligations (b) Other PNCA Transactions (c) Flexibilities and Limits (d) Reflecting Slice in PNCA Planning 		<p>Most PNCA references were removed</p> <p>Interchange provision was deleted because: Never called upon PNCA provisions are a System Obligation Implementation nightmare</p>
<p>13. SCHEDULING REQUIREMENTS</p> <ul style="list-style-type: none"> (a) Preschedule Times (b) Estimates of Slice Output (c) Scheduling Slice Output by Resource Groups (d) Preschedule Limits 		<p>Scheduling provisions are in Exhibit F.</p>

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<p>(3) Information Provided to «Customer Name» For Requests and Schedules under Dynamic Scheduling</p> <p>(4) Dynamic Schedule Request From «Customer Name»</p> <p>(5) Dynamic Schedule Response From PBL</p> <p>(6) Maximum Amounts of Reserves and Ancillary Services</p> <p>(7) Reevaluation of Available Spinning Reserve</p> <p>(8) Real-Time Limits to Reserves and Ancillary Services</p> <p>(i) Congestion Management Requirements for Federal Power Deliveries</p> <p>14. Revisions and Ad-Hoc Operational Decisions The following provisions shall be used by the CIG for amending this Exhibit J.</p> <p>(a) Any member of the CIG may at any time request a revision to Exhibit J</p> <p>(b) Not later than 30 days following receipt of written notice pursuant to</p> <p>(c) If the CIG determines that a proposed revision to the Technical Operating</p> <p>(d) Within 60 days following the date that the proposed revision was forwarded</p> <p>(e) At the CIG meeting convened pursuant to section 14(d) above, the PBL CIG</p> <p>(f) If the PBL CIG member opposes the proposed revision to the Technical</p> <p>(g) If the PBL CIG member accepts the implementation of the proposed revision,</p> <p>(1) Upon the agreement of the PBL CIG member to the</p> <p>(2) If any non-PBL CIG member has requested a vote pursuant to</p> <p>(3) If no CIG member has requested a vote pursuant to</p>	<p>16. CONGESTION MANAGEMENT AND NODAL SCHEDULING (PLACEHOLDER)</p>	<p>Not yet certain, may move to Exhibit F.</p> <p>Covered in the SIG section in 3(b)(12) of the body. BPA has the right to update the Simulator as needed to maintain functionality and reasonable results.</p>
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Side-by-Side Comparison of Subscription and Regional Dialogue Slice/Block Contracts

<p style="text-align: center;">section 14(g)(1)</p> <p>(4) Immediately upon the conclusion of the vote pursuant to</p> <p>(5) If the proposed revision to the Technical Operating Procedures is</p> <p>(6) Neither the request for a vote pursuant to section 14(g)(1) above nor</p> <p>(h) CIG Operations Subcommittee</p> <p>15. Replacement and Improvements Of Hydroregulation Models</p> <p>16. Description Of The Columbia Vista, 90-Day, and 60-YEAR Models</p> <p>(a) Columbia Vista Model (ST Vista)</p> <p>(b) Ninety-Day Model (LT Vista)</p> <p>(c) Sixty-Year Model (Hydsim)</p>	<p>2. SLICE COMPUTER APPLICATION</p> <p>(a) Slice Water Routing Simulator</p> <p>(b) Balance of Slice System Module</p> <p>4. «CUSTOMER NAME»'S INPUT VARIABLES AND USE OF THE SIMULATOR</p> <p>6. SIMULATOR OUTPUT AND FEEDBACK</p> <p>7. SIMULATOR DOCUMENTATION, IMPROVEMENTS, AND ACCURACY</p> <p>9. CALCULATION AND APPLICATION OF THE CALIBRATED SIMULATOR DISCHARGE</p>	<p>This section was eliminated.</p> <p>This section was eliminated.</p> <p>All remaining sections below are related to the Simulator concept.</p>
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Side-by-Side Comparison of Subscription and Regional Dialogue Slice/Block Contracts

	10. CALCULATION AND APPLICATION OF THE HYDRAULIC LINK ADJUSTMENT	
<p style="text-align: center;">Exhibit K CUSTOMIZED OPERATING PROCEDURES</p> <p>[To be completed.]</p>		
<p style="text-align: center;">Exhibit L SYSTEM OBLIGATIONS</p> <p>1. SYSTEM OBLIGATIONS</p> <p style="padding-left: 40px;">(a) Contracts</p> <p style="padding-left: 40px;">(b) Non-Contract System Obligations</p> <p>2. REVISIONS</p> <p>3.</p>		<p>Will be established in the TRM. See Table 3.1 of the TRM for Designated BPA Contract Purchases and Obligations.</p>
<p style="text-align: center;">Exhibit M CRITICAL SLICE AMOUNTS</p> <p>1. ESTABLISHING CRITICAL INVENTORY AMOUNT</p> <p style="padding-left: 40px;">(a) Initial Critical Inventory Amount</p> <p style="padding-left: 40px;">(b) Changes to Critical Inventory Amount</p> <p>2. ESTABLISHING CRITICAL SLICE AMOUNTS</p> <p style="padding-left: 40px;">(a) Initial Critical Slice Amounts</p> <p style="padding-left: 40px;">(b) Changes to Critical Slice Amounts</p> <p>3. REVISIONS.</p>	<p style="text-align: center;">Exhibit I CRITICAL SLICE AMOUNTS</p> <p>1. ESTABLISHING CRITICAL INVENTORY AMOUNT</p> <p>2. ESTABLISHING CRITICAL SLICE AMOUNTS</p> <p>3. REVISIONS</p>	<p>Tied to the Tier 1 System capability per the TRM.</p>

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<p>Exhibit N SLICE PRODUCT LOAD LOSS PROVISIONS</p>		
<p>1. If it has been forecast that «Customer Name» will have a Net Requirement in the</p> <p>2. The following provisions apply for any CY in which is it forecast that «Customer Name»'s Total Requirement Power Obligation will exceed its Net Requirement.</p> <p>3. DISPOSITION OF EXCESS REQUIREMENTS ENERGY</p>		Replaced with TRM HWM determination and absorbed by the Block product.
<p>Exhibit O OPTIONS IF INVENTORY SOLUTION LIMITS EXCEEDED</p>		
<p>1. OPTIONS</p> <p>2. INCREASE OF BLOCK POWER AMOUNTS</p> <p>3. INCREASE OF SELECTED SLICE PERCENTAGE</p> <p>4. REDUCE SLICE PRODUCT PURCHASE TO ZERO</p> <p>5. TERMINATION OF AGREEMENT; CONVERSION TO OTHER REQUIREMENTS PRODUCTS</p>		N/A
<p>Exhibit P PREEXISTING CONTRACTS</p>		
<p>1. 5-Year Average for CY 2002-2006</p> <p>2. 5-Year Average for CY 2007-2011</p>		N/A
<p>Exhibit Q RELATED AGREEMENTS</p>		
<p>1. RELATED AGREEMENTS</p>		N/A

Side-by-Side Comparison of Subscription and Regional Dialogue Slice/Block Contracts

<p>2. REVISIONS</p>		
<p style="text-align: center;">Exhibit R SLICE ALLOCATION METHOD AND RELATED PROVISIONS</p> <p>1. CALCULATION OF TOTAL INITIAL CRITICAL SLICE AMOUNTS</p> <p>(a) Total Initial Critical Slice Amounts Greater Than 2,000 aMW</p> <p>(b) Total Initial Critical Slice Amounts Less Than or Equal to 2,000 aMW</p> <p>(c) Adjustments to Selected Slice Percentage and Block Power Amounts</p> <p style="padding-left: 20px;">(1) Adjustment to Selected Slice Percentage</p> <p style="padding-left: 20px;">(2) Adjustment to Block Power Amounts</p> <p>2. MINIMUM SELECTED SLICE PERCENTAGE</p> <p>3. REDUCED SLICE PERCENTAGE LESS THAN MINIMUM SELECTED SLICE PERCENTAGE</p> <p>4. AGREEMENT MODIFICATIONS</p>		<p>Slice allocation covered in Exhibit J.</p>
	<p style="text-align: center;">Exhibit B HIGH WATER MARKS AND CONTRACT DEMAND QUANTITIES</p> <p>1. CONTRACT HIGH WATER MARK (CHWM)</p> <p>(a) CHWM Amount</p> <p>(b) Changes to CHWM</p> <p style="padding-left: 20px;">(5) Other Changes to CHWM</p> <p>2. RATE PERIOD HIGH WATER MARK (RHWM) BPA shall establish «Customer Name»’s RHWM for each rate period in a public process as established in the TRM.</p>	<p>As determined in the TRM.</p>

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	<p>3. CONTRACT DEMAND QUANTITIES (CDQs)</p> <p>(a) CDQ Amounts</p> <p>(b) Changes Due to Annexation</p> <p>4. REVISIONS</p>	
	<p style="text-align: center;">Exhibit E METERING</p> <p><u>Table 1: Load Meters</u></p> <p><u>Table 2: Resource Meters</u></p> <p><u>Table 3: Interchange Meters (Not to be used for billing purposes)</u></p> <p>Revisions</p>	
	<p style="text-align: center;">Exhibit G PRINCIPLES OF NON-FEDERAL TRANSFER SERVICE</p> <p>1. Established Caps and Limitations</p> <p>2. Application of section 11(f)(6) of body of this Agreement shall be on a first come, first</p> <p>3. Process and Parameters For Initially Choosing A Non-Federal Resource</p> <p>4. «Customer Name» shall provide BPA all information BPA determines is reasonably necessary to administer firm network transmission service over the Third Party Transmission Provider’s system.</p> <p>5. BPA shall only pay the capacity costs associated with transmission service to</p> <p>6. «Customer Name» shall pay a portion of the costs of all Ancillary Services necessary</p> <p>7. «Customer Name» shall be responsible for the costs of all other transmission services</p> <p>8. «Customer Name» shall be responsible for all costs of interconnecting generation to</p>	

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	<p>a transmission system.</p> <p>9. «Customer Name» shall be responsible for acquiring transmission services from</p> <p>10. «Customer Name» shall be responsible for all integration services to support its non-federal resources:</p> <p>11. As necessary, «Customer Name» shall meet all resource metering requirements</p> <p>12. The Parties shall cooperate to establish the protocols, procedures, data exchanges or</p> <p>13. Unless otherwise agreed, «Customer Name» shall be responsible for managing any</p> <p>14. BPA shall have no obligation to pay for Transfer Service for non-federal power to</p> <p>15. Once «Customer Name»'s non-federal resource has been designated as a Network</p> <p>16. These principles will be the basis for a separate agreement BPA shall offer to</p>	
	<p style="text-align: center;">Exhibit H RENEWABLE ENERGY CERTIFICATES AND CARBON ATTRIBUTES</p> <p>1. DEFINITIONS</p> <p>2. BPA'S TIER 1 REC INVENTORY</p> <p>3. «CUSTOMER NAME»'S SHARE OF TIER 1 RECS</p> <p>4. TRANSFER, TRACKING, AND MANAGEMENT OF TIER 1 RECS</p> <p>5. FEES</p> <p>6. TIER 2 RECS</p> <p>7. CARBON ATTRIBUTES</p> <p>8. BPA'S RIGHT TO TERMINATE «CUSTOMER NAME»'S RECS</p>	

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