Tuan Tran
SCL Interconnected Transmission Systems Agreement ORD
July 5, 2013
Version #1

CITY OF SEATTLE

ORDINANCE _____

COUNCIL BILL 117961

AN ORDINANCE relating to the City Light Department; authorizing execution of the Interconnected Transmission Systems Agreement with Bonneville Power Administration to consolidate, clarify, and document the details pertaining to the ownership and operation of the existing physical interconnections between the transmission systems of the two parties.

WHEREAS, the transmission systems of City Light and Bonneville Power Administration ("BPA") have been physically interconnected for many decades, with the number of interconnections increasing over time; and

WHEREAS, many of the original agreements that the parties entered into in order to build these interconnections have expired, while the remaining agreements lack details sufficient to describe the exact physical interconnections, responsibilities and business practices of the parties; and

WHEREAS, to address these concerns, City Light and BPA have gathered and enhanced the detailed documentation pertaining to these interconnections, as well as the related business practices that govern safe and reliable operation of interconnected transmission systems; and

WHEREAS, representatives of City Light and BPA have negotiated an agreement to consolidate such documentation in the form of the Interconnected Transmission Systems Agreement; and NOW, THEREFORE,

BE IT ORDAINED BY THE CITY OF SEATTLE AS FOLLOWS:

Section 1. The General Manager and Chief Executive Officer of City Light, or his designee, is hereby authorized to execute for and on behalf of the City the Interconnected Transmission Systems Agreement, substantially in the form attached hereto as Attachment 1.

Section 2. The General Manager and Chief Executive Officer of City Light, or his designee, is further authorized to execute for and on behalf of the City additional amendments to

this agreement and any other necessary and convenient agreements to enable City Light to perform its obligations under this agreement throughout its term.

Section 3. This ordinance shall take effect and be in force 30 days after its approval by the Mayor, but if not approved and returned by the Mayor within ten days after presentation, it shall take effect as provided by Seattle Municipal Code Section 1.04.020.

Passed by the City Council the ____ day of _____, 2013, and signed by me in open session in authentication of its passage this _____ day of _____, 2013.

_____

President _____ of the City Council

Approved by me this ____ day of _____, 2013.

_____

Michael McGinn, Mayor

Filed by me this ____ day of _____, 2013.

_____

Monica Martinez Simmons, City Clerk

(Seal)

Attachment 1: Interconnected Transmission Systems Agreement

ATTACHMENT 1:

Contract No. 13TX-15835

INTERCONNECTED TRANSMISSION SYSTEMS AGREEMENT
for
INTERCONNECTED SYSTEM OPERATIONS
executed by the
UNITED STATES OF AMERICA
DEPARTMENT OF ENERGY
acting by and through the
BONNEVILLE POWER ADMINISTRATION
and
CITY OF SEATTLE, CITY LIGHT DEPARTMENT

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Exhibit A Interconnection Details
Exhibit B Diagrams
Exhibit C Notices

This INTERCONNECTED TRANSMISSION SYSTEMS AGREEMENT (Agreement) is entered into by the UNITED STATES OF AMERICA, Department of Energy, acting by and through the BONNEVILLE POWER ADMINISTRATION (BPA), and CITY OF SEATTLE, CITY LIGHT DEPARTMENT (SCL), hereinafter individually referred to as "Party" and collectively as "Parties".

RECITALS

WHEREAS, SCL has authority and responsibility for the operation of SCL's System, including sole authority and responsibility for the interconnection of SCL's System with other transmission systems;

WHEREAS, BPA is authorized pursuant to law, to construct and operate BPA's System, including sole authority and responsibility for interconnection of BPA's System with other transmission systems, to provide transmission and other services, and to enter into agreements to carry out such authority;

WHEREAS, BPA and SCL each operate a transmission system which is interconnected at many Points of Interconnection in the state of Washington;

WHEREAS, The Energy Policy Act of 2005 authorized the Federal Energy Regulatory Commission (FERC) to approve electric reliability standards with which users, owners and operators of the bulk power system are required to comply;

WHEREAS, the Parties recognize the value of documenting physical and technical details of each Point of Interconnection, including, but not limited to, location, demarcations of ownership, responsibilities for operations, maintenance, and identification numbers, so that both Parties have the same single source of reference pertaining to the Points of Interconnection;

WHEREAS, the Parties recognize the importance of compiling a complete record of pre-existing agreements pertaining to the Points of Interconnection;

WHEREAS, the Parties recognize the need to document certain operating procedures intended to establish and maintain safe and reliable interconnected operations of their respective Transmission Systems; and

WHEREAS, BPA and SCL desire to enter into this Agreement to clarify and document their agreement as to matters pertaining to the Points of Interconnection.

In consideration of the promises and mutual covenants and agreements herein contained, the Parties agree as follows:

1. TERM OF AGREEMENT

This Agreement shall become effective at 0000 hours on the date that the Agreement has been signed by both Parties (Effective Date) and shall continue in effect for no longer than 30 years after the Effective Date unless otherwise terminated by the

Parties. This Agreement can be extended for successive 10-year periods upon mutual agreement of the Parties.

This Agreement may be terminated by mutual agreement and shall terminate immediately if there are no Points of Interconnection between the Parties. The provisions in this Agreement regarding proprietary information shall survive the termination of this Agreement. In the event that the Agreement is terminated, all liabilities incurred hereunder are hereby preserved until satisfied.

2. DEFINITIONS

In this Agreement, the following words and terms will have the meanings ascribed to them in this Section:

(a) "Balancing Authority " means the responsible entity that integrates resource plans ahead of time, maintains load-interchange-generation balance within a Balancing Authority Area, and supports interconnection frequency in real time.

(b) "Balancing Authority Area" means the collection of generation, transmission, and loads within the metered boundaries of the Balancing Authority. The Balancing Authority maintains load-resource balance within this area.

(c) "BPA System" means the facilities owned, controlled or operated by BPA that are used for transmission service.

(d) "Calendar Day" means any day including Saturday and Sunday.

(e) "Communications Equipment" means equipment required for the remote operation, protection or control of each Party's transmission system facilities.

(f) "Disconnecting Party" means the Party effecting the disconnection.

(g) "Disclosing Party" is defined in Section 11.

(h) "Disputing Party" is defined in Section 13.

(i) "Electric Power" means electric peaking capacity, expressed in megawatts, electric energy or both.

(j) "Emergency Condition" means any condition or situation: (1) that in the judgment of the Party making the claim is imminently likely to endanger life or property; or (2) that is imminently likely (as determined in a non-discriminatory manner) to cause a material adverse effect on the security of, or damage to, that Party's Transmission System, Interconnection Facilities, or the electric systems of others to which that Party's Transmission System is directly connected. System restoration and black start shall be considered Emergency Conditions.

(k) "Good Utility Practice" means any of the practices, methods and acts engaged in or approved by a significant portion of the electric utility industry during the relevant time period, or any of the practices, methods and acts which, in the exercise of reasonable judgment in light of the facts known at the time the decision was made, could have been expected to accomplish the desired result at a reasonable cost consistent with good business practice, reliability, safety, and expedition. Good Utility Practice is not intended to be limited to the optimum practice, method, or act to the exclusion of all others, but rather to be acceptable practices, methods, or acts generally accepted in the Western Electric Coordinating Council region, including those practices required by Federal Power Act Section 215(a)(4).

(l) "Interconnection Facilities" means the facilities described in Exhibit A, which provide for the flow of electrical power at a Point of Interconnection from one Party's Transmission System to the other Party's Transmission System, or Communications Equipment related to the status of such facilities.

(m) "Non-Compliant Party" is defined in Section 5(c)(2).

(n) "Notice of Dispute" is defined in Section 13.

(o) "Effective Date" is defined in Section 1.

(p) "Meter Data Management Reporting (MDMR)" means the BPA system for reporting revenue metering, profile and event data.

(q) "Operating Procedure(s)" means the practices and procedures as agreed to and amended in accordance with Section 7(a).

(r) "Party" and "Parties" are defined in the introductory paragraph of this Agreement.

(s) "Point of Interconnection" means a physical point of connection between the BPA System and the SCL System as described in Exhibit A as that Exhibit may be revised from time to time by written agreement between the Parties.

(t) "Proprietary Information" is defined in Section 11.

(u) "Recipient" is defined in Section 11.

(v) "Reliability Councils" means the Western Electric Coordinating Council (WECC), the North American Electric Reliability Council (NERC), and their respective successors, or such other organization or organizations whose mandate, in whole or in part, is to establish criteria, systems, standards, rules, procedures, practices or management programs for the operation and reliability of the bulk electric systems.

(w) "Reliability Requirements" means, in respect of a Party, the Reliability Councils' reliability, operation, security and other similar standards applicable to that Party's Transmission System, and any other similar standards to which that Party's Transmission System is subject by law or any authority having jurisdiction, including those practices required by Federal Power Act Section 215(a)(4).

(x) "SCL System" means the facilities owned, controlled or operated by SCL that are used for transmission service.

(y) "Special Protection Scheme" or "SPS" means an automatic protection system designed to detect abnormal or predetermined system conditions, and to take corrective actions other than and/or in addition to the isolation of faulted components to maintain system reliability. Such action may include changes in demand, generation, or system configuration to maintain system stability, acceptable voltage, or power flows. An SPS does not include (a) underfrequency or undervoltage load shedding; (b) fault conditions that must be isolated; or (c) out-of-step relaying (not designed as an integral part of an SPS). Also called Remedial Action Scheme.

(z) "Standards of Conduct" or "SOC" means, in respect to each Party, those standards, rules, procedures or other requirements promulgated by FERC to which that Party is committed to comply, the purpose of which is to prevent Parties from giving undue preferences with regard to transmission service or non-public transmission information to their affiliated merchant or any third party.

(aa) "System Modification" means an addition, modification or repair to, or replacement or change in operation of, all or a portion of a Party's Transmission System that impacts or has an effect on the operation, stability or reliability of the transmission system.

(bb) "Transmission System" means the SCL System, or the BPA System, as the context requires; and "Transmission Systems" means both the SCL System and the BPA System.

3. EXHIBITS

The following exhibits are hereby incorporated into and made part of this Agreement:

(a) Exhibit A – Interconnection Details

(b) Exhibit B – Diagrams

(c) Exhibit C – Notices

BPA shall coordinate an annual meeting at which BPA and SCL will review Exhibit A for accuracy and completeness. If either Party determines that a revision of Exhibit A is warranted, it shall prepare and propose such revised Exhibit A to the other Party. Exhibit A may be revised by mutual agreement, providing such revision is executed by both Parties.

Either Party may revise the diagrams of Exhibit B as needed to reflect current configuration and typical construction at selected points of interconnection by sending a revised version of Exhibit B to the notice recipient of the other Party noted in Section 1 of Exhibit C. Such update does not require execution by the parties.

Either Party may revise the contact information for its notice recipients at any time by sending a revised version of Exhibit C to the notice recipient of the other Party noted in Section 1 of Exhibit C. Each Party shall review Exhibit C annually and update it as appropriate. Such update does not require execution by the parties.

4. GENERAL

(a) **System Responsibility**

(1) Nothing in this Agreement affects title to any part of either Party's Transmission System or confers on either Party any interest in the other Party's Transmission System. Nothing in this Agreement or its performance affects the independent rights or duties of each Party to have at all times responsibility for and actual physical control and possession of its Transmission System.

(2) Except as provided in Section 5, each Party retains the right to independently plan, modify, construct, operate, and maintain its Transmission System.

(b) **Rights of Both Parties**

This Agreement does not limit any rights of either Party to enter into contracts or transactions with third parties, provided such contracts or transactions do not require that Party to act in a manner which is inconsistent with its obligations under this Agreement or do not adversely affect the performance of such obligations.

(c) **Controlling Agreement**

In case of conflict between the terms of this Agreement and those of the Reliability Requirements, the Reliability Requirements shall control.

(d) **Changes to System**

Where a System Modification can reasonably be expected to alter or affect the operation of the other Party's Transmission System or a Point of Interconnection, including the transfer capability at a Point of Interconnection, a Party will not undertake such System Modification

without making reasonable efforts within the guidelines of the Standards of Conduct to provide written notification to the other Party and submitting details of the System Modification to the other Party. The Party proposing the System Modification will make reasonable efforts, in consultation with the other Party, to plan and implement such System Modification in accordance with Good Utility Practice and to minimize any adverse impacts to the other Party's Transmission System or the Points of Interconnection.

(e) **Document Access**

If by the terms of any contract between the Parties either Party is required or permitted to install, test, maintain inspect, replace, repair remove, or operate equipment on the property of the other, the owner of such property shall furnish the other Party with accurate drawings and wiring diagrams of associated equipment and facilities, or, if such drawings or diagrams are not available, shall furnish accurate information regarding such equipment or facilities. The owner of such property shall coordinate with the other Party at least 30 days in advance of any subsequent modifications which may affect the duties of the other Party in regard to such equipment, and furnish the other Party with accurate revised drawings, as soon as reasonably practicable.

(f) **No Other Services**

This Agreement is applicable only to Points of Interconnection and does not obligate either Party to provide, or entitle either Party to receive, any service not expressly provided for herein. Each Party is responsible for making the arrangements necessary for it to receive any other service that it may desire from the other Party or any third party.

(g) **Third Party Changes**

Where consistent with Good Utility Practice and Standards of Conduct, each Party shall use its reasonable commercial efforts to inform the other Party of any addition, modification or repair to, or replacement or change in operation of, all or any portion of any third party's electric system of which such first Party becomes aware, but only where such addition, modification, repair, replacement or change in operation may materially impact a Point of Interconnection of the other Party's Transmission System.

5. INTERCONNECTED OPERATION

(a) **Obligation to Remain Interconnected**

Except as otherwise provided in this Section 5, and in accordance with Good Utility Practice, each Party will operate its Transmission System so that it remains continuously interconnected with the other Transmission System at each of the Points of Interconnection, unless otherwise specified in Exhibit A. Each Party will maintain and operate its Transmission System, including its portions of the Interconnection Facilities, in accordance with Good Utility Practice, or cause the same to be so maintained and operated.

(b) **Planned Disconnection**
The Disconnecting Party shall make reasonable efforts to minimize any adverse impacts to the other Party's Transmission System.

(1) Temporary disconnection
A Disconnecting Party, insofar as the Disconnecting Party is complying with this Section 5(b), shall have the right at any time during the term of this Agreement, without incurring any liability to the other Party, to temporarily disconnect any Point of Interconnection under this Agreement consistent with Good Utility Practice if the Disconnecting Party has determined that failure to do so may interfere with any construction, installation, operation, use, maintenance, repair, replacement, alteration, modification, improvement, inspection or testing of, or addition to, either Party's Transmission System. The Disconnecting Party shall provide the other Party with the opportunity to coordinate and consult with respect to the scheduling of such disconnection.

At those Points of Interconnection agreed to by the Parties in writing, a Party may temporarily disconnect its Transmission System from the other Party's Transmission System for any reason provided that the first Party gives the other Party reasonable prior notice of any such planned disconnection.

(2) Obligation to Restore
The Disconnecting Party shall restore the Point of Interconnection to full and normal operation at a Point of Interconnection disconnected pursuant to this Section 5(b) as soon as reasonably practicable.

(3) Permanent Disconnection
Notwithstanding the interconnection obligation described in section 5 (a), a Party may permanently disconnect a Point of Interconnection for any reason, provided such Party notifies the other Party of its intent in writing at least two (2) years prior to disconnection, or as otherwise mutually agreed. In the event of a permanent disconnection of a Point of Interconnection, the Parties will revise Exhibit A of this Agreement.

(c) **Additional Authority to Disconnect**

(1) Emergency Disconnection: Notwithstanding any other provision of this Agreement, a Disconnecting Party may in an Emergency Condition take such action as it may reasonably determine to be appropriate, including immediate disconnection at one or more Points of Interconnection, without incurring any liability to the other Party, provided that:

(A) the Disconnecting Party, as far in in advance as is reasonably practicable, notifies the other Party of the action, and such notice provides the reasons for such action; and

(B) the Disconnecting Party coordinates with the other Party to restore the Points of Interconnection to full and normal operation as soon as reasonably practicable, provided that the conditions prompting the Immediate Disconnection have been remedied to the reasonable satisfaction of both Parties.

(2) Disconnection for Non-Compliance: Except in the event of an Emergency Condition pursuant to (1) above, if a Party (the "Non-Compliant Party") fails to comply with any requirement of this Agreement and, in the reasonable opinion of the Disconnecting Party, such non-compliance requires the disconnection of the Non-Compliant Party's Transmission System at one or more Points of Interconnection in order to protect the Disconnecting Party's Transmission System, equipment, personnel or the public, the Disconnecting Party will have the right to disconnect, or require the disconnection of, the Non-Compliant Party's Transmission System from the Disconnecting Party's Transmission System at those Points of Interconnection, provided that:

(A) the Disconnecting Party gives the Non-Compliant Party written notice of its intent to disconnect and the Non-Compliant Party fails to comply with the applicable requirements of this Agreement to the reasonable satisfaction of the Disconnecting Party within thirty (30) Calendar Days, or a longer period as mutually agreed, after such notice is given; and

(B) such right to disconnect will be suspended as long as the Non-Compliant Party is diligently pursuing corrective action in accordance with Good Utility Practice.

(3) Prolonged Disconnection: If the Parties' Transmission Systems are disconnected at one or more Points of Interconnection in accordance with Section 5(c)(1) or Section 5(c)(2) and a Party has not, within one (1) year from the disconnection, to the reasonable satisfaction of the other Party, rectified all identified non-compliance with this Agreement, then the other Party may terminate this Agreement insofar as it relates to such Point(s) of Interconnection upon no less than thirty (30) Calendar Days' prior written notice. Upon such termination, Exhibit A shall be deemed to be revised so as to delete the affected Point(s) of Interconnection.

(d) **Planned Outages**

Each Party will coordinate with the other Party on planned outages in their respective Transmission Systems which may affect a Point of Interconnection or the other Party's Transmission System. A Party intending to effect a planned outage will make reasonable efforts to ensure that such outage will be of minimal duration and cause minimal inconvenience to the other Party's Transmission System and will not impair the safe and reliable operation of the other Party's Transmission System.

6. SITE ACCESS

(a) **Access to Equipment**
If by the terms of any contract between the Parties any equipment or facilities of a Party to this Agreement are, or are to be, located on the property of the other Party at any Point of Interconnection described in Exhibit A of this Agreement, a permit to install, test, maintain, inspect, replace, repair and operate such equipment during the term of this Agreement and to remove such equipment and facilities at the expiration said term is hereby granted by the other Party.

(b) **Requirement for Escort**
A Party requiring access to its own equipment located on the property of the other Party shall coordinate in advance for an escort by personnel of the other Party. Such escort shall not be unreasonably denied. An escort is not required at those locations for which an Unescorted Access Agreement has been executed by the Parties.

7. OPERATING REQUIREMENTS AT POINTS OF INTERCONNECTION

(a) **Operating Procedures**

(1) BPA and SCL will jointly determine whether development of an Operating Procedure is necessary for any or all of the Interconnected Facilities described in Exhibit A. As so warranted the Parties will develop, review and amend as necessary, by mutual agreement, each Operating Procedure with respect to the operation of the Interconnected Facilities. Any amendments to Operating Procedure(s) must be consistent with this Agreement and must be in writing. The Parties agree to provide each other a reasonable amount of time to adhere to any Operating Procedure(s) as may be amended and will make reasonable efforts to adhere to the amendments in a timely manner.

(2) The Operating Procedure(s) will, among other things, establish operating authority boundaries, isolation procedures and notification procedures for the BPA Transmission System and the SCL Transmission System to ensure safe and consistent operation of those

portions of each Transmission System which are part of, or are affected by, the Interconnected Facilities.

(3) Each Party will operate its portion of the Interconnected Facilities in accordance with the Operating Procedure(s). In the event the Operating Procedure(s) do not address a particular circumstance that arises, the Party will consult with the other Party to jointly determine the course of action. In the event an Uncontrollable Force, as defined in Section 15j, prevents the Parties from following an Operating Procedure, the Parties will act in accordance with Good Utility Practice.

(b) **Control of System Disturbances**
Each Party will maintain and operate its Transmission System in accordance with Good Utility Practice and Reliability Requirements so as to minimize the likelihood of creating a disturbance which may cause impairment to the operation of the other Party's Transmission System. Without delay after commencement of such disturbance, each Party will take appropriate action to reduce the transfer of any disturbance to the other Party's Transmission System to within the limit prescribed by Good Utility Practice.

(c) **Voltage Schedule**
The Parties agree to maintain voltage in accordance with Good Utility Practice and the Reliability Requirements to the extent practicable.

(d) **Reactive Power**
The Parties will plan and operate their respective Transmission Systems so as not to impose an undue burden on the other Party to produce or absorb reactive power.

(e) **Special Protection Schemes**
If a Special Protection Scheme affects Interconnected Facilities, that information shall be included on the appropriate Table in Exhibit A.

(f) **Character of Service**
Electric energy shall be made available to either Party at the Points of Interconnection at all times during the term of this Agreement in the manner and at the approximate voltage specified for each point. Electric power and energy made available pursuant to this agreement shall be in the form of three-phase current, alternating at a frequency of approximately 60 Hertz.

(g) **Harmonic Control**
Each party shall design, construct, operate, maintain and use its electric system in accordance with Good Utility Practice to minimize to acceptable levels the production of harmonic currents and voltages injected or coupled into the other Party's facilities.

(h) **Power Quality**

Each party shall design, construct, operate, maintain and use its electric system in accordance with Good Utility Practice to minimize to acceptable levels the production of voltage flicker or introduction of distortion to the sinusoidal voltage or current waves injected or coupled into the other Party's facilities.

8. METERING

Amounts of electric energy, integrated demands therefor and VAR hours so delivered to either Party at each Point of Interconnection during each month shall be determined by the meters installed at each location and in each circuit as described in Exhibit A.

(a) **Interchange Metering**

Each Point of Interconnection shall be interchange-metered. Interchange metering arrangements for each Point of Interconnection are as described in Exhibit A.

(1) **Standards, Testing and Access**

In accordance with the Reliability Requirements, all interchange values (measured in megawatts (MW) or megawatthours (MWh) will come from the metering as described in Exhibit A. Each Party will, at its own cost, test its meters and related equipment in accordance with the Reliability Requirements. If requested to do so by one Party, the other Party will make additional tests or inspections of its meters. Each Party will give the other Party reasonable notice of the time when any test or inspection pursuant to this Section is to be made, and the other Party will have the right to have a representative present at such test or inspection.

(2) **Meter Failure**

If any meter installed under this Agreement fails to register, or if any meter registers an error greater than prescribed by the applicable Reliability Requirement, the Party owning such inaccurate meter shall use reasonable efforts to immediately repair or replace it.

(b) **Other Metering**

If either party installs additional meters, they will be documented in Exhibit A.

9. COMMUNICATIONS

Each Party shall install communications at each Point of Interconnection in accordance with the Reliability Requirements. Communications equipment associated with each Point of Interconnection are as described in Exhibit A.

(a) **Standards, Testing, and Access**

In accordance with the Reliability Requirements, Parties will maintain and coordinate communications equipment for all interconnected transmission

lines. Each Party will, at its own cost, test and maintain its communications equipment in accordance with the Reliability Requirements, and both Parties will coordinate testing as required to conform to the Reliability Requirements. If requested to do so by one Party, the other Party will make additional tests or inspections of communications equipment. Each Party will give the other Party reasonable notice of the time when any test or inspection pursuant to this section is to be made, and the other Party will have the right to have a representative present at such test or inspection.

(b) **Communications Failure**
If any communications equipment installed under this Agreement fails, or if any communications equipment is unable to perform the functions required to meet the Reliability Requirements, the Party owning such equipment shall use reasonable efforts to immediately repair or replace it.

10. EXCHANGE OF INFORMATION

(a) **Exchange of Information**
Subject to any applicable confidentiality agreements, terms of service, Standards of Conduct, or any applicable law or regulation, BPA and SCL will exchange, in a timely manner, all information reasonably required in order for the Parties to carry out their respective obligations hereunder, including such information as may be reasonably required to meet obligations to any organization of which one or both Parties are members and which imposes upon it or them an obligation to collect information for submission to that organization.

(b) **Cost of Providing Information**
Each Party will be responsible for the costs incurred by it in providing any information it is required to provide under this Agreement, except that any costs incurred related to any information provided at the request of a Party making a System Modification is the responsibility of the Party requesting such information.

(c) **Liability for Data**
Each Party will use reasonable efforts to provide accurate information pursuant to this Section 10. However, any information provided for submission to an organization of which one or both Parties are members will be relied on by the recipient at its sole risk and the providing Party will have no liability for any inaccuracy in the information provided.

11. PROPRIETARY INFORMATION

(a) The following information supplied by one Party (the "Disclosing Party") to the other Party (the "Recipient") under this Agreement will be considered proprietary information ("Proprietary Information"):

(1) Information supplied or disclosed in tangible form and clearly marked or otherwise designated in writing as "proprietary" or "confidential" on the face of the document; and

(2) Information conveyed orally or by inspection if, at the time of Disclosure, the Disclosing Party orally informs the Recipient that the information is proprietary or confidential and within 10 days after disclosure of information conveyed orally or by inspection, the Disclosing Party confirms in writing to the Recipient that such information is Proprietary Information.

(b) Information designated as Proprietary Information under this Agreement will no longer be deemed Proprietary Information if the Disclosing Party notifies the Recipient that it no longer is Proprietary Information.

(c) The Recipient will use the same degree of care, but not less than a reasonable degree of care, to prevent the unauthorized use, dissemination or publication of the Proprietary Information as the Recipient uses to protect its own confidential or proprietary information of a like nature.

(d) The Recipient of Proprietary Information will limit the use and dissemination of that information within its organization to officers and employees who are not defined as marketing function employees and who have been advised of the nature of the Proprietary Information supplied hereunder and of the Recipient's nondisclosure obligations hereunder.

(e) Proprietary Information will not be disclosed by the Recipient to any third party, except:

(1) to consultants or other advisors of the Recipient on a need-to-know basis;

(2) if such information has entered the public domain (other than through the actions of the Recipient);

(3) as required by law or any authority having jurisdiction, provided the Recipient, to the extent legally permitted, notifies the Disclosing Party of such proposed disclosure at least ten (10) days in advance of any proposed disclosure and the Disclosing Party is unable to obtain a protective order for its Proprietary Information by the conclusion of this 10-day period;

(4) with the prior written consent of the Disclosing Party;

(5) as the Parties may otherwise agree;

(6) if such information was in the lawful possession of the Recipient on a non-proprietary basis before receiving it from the Disclosing Party; or

(7) if such information was independently developed by the Recipient without reference to Proprietary Information of the Disclosing Party.

(f) Except as otherwise permitted under Section 11(e), each Party may use Proprietary Information solely to fulfill its obligations to the other Party under this Agreement.

(g) Recipient does not acquire any intellectual property rights to Proprietary Information under this Agreement or through any disclosure hereunder, except the limited right to use such Proprietary Information in accordance with this Agreement.

(h) At any time, the Disclosing Party may request the return or destruction of Proprietary Information previously provided to the Recipient. Upon receipt of such request, and unless otherwise required by law, the Recipient shall return or destroy, as requested by the Disclosing Party, all such Proprietary Information, including without limitation any copies, summaries or compilations of such information, still in the Recipient's possession or under its control.

12. LIMITATIONS OF LIABILITY

No Party, its directors, its officers or employees, shall be liable to the other Party for any indirect or consequential damages or injury which may occur or result from the performance or non-performance of this Agreement, including any negligence arising out of performance or non-performance of this Agreement.

13. DISPUTE RESOLUTION

(a) **Submission**

In the event either Party has a dispute, or asserts a claim, that arises out of or in connection with this Agreement, such Party (the "Disputing Party) shall provide the other Party with written notice of the dispute or claim (Notice of Dispute). Such dispute or claim shall be referred to a designated senior representative of each Party for resolution on an informal basis as promptly as practicable after receipt of the Notice of Dispute by the other Party. Neither Party shall commence any proceedings or actions, or seek any declaratory or other orders, in connection with a dispute or claim noticed in a Notice of Dispute for at least thirty (30) Calendar Days after receipt of the Notice of Dispute by the other Party. The Parties are not obligated to continue dispute resolution efforts after the thirty (30) Calendar Days have expired.

(b) **Performance during Dispute Resolution**
While attempts are being made pursuant to Section 13(a) to resolve a dispute or claim noticed in a Notice of Dispute the Parties will continue to perform all obligations under this Agreement and will continue to comply with all terms of this Agreement.

14. GENERAL PROVISIONS

(a) The words "include" and "including" when following any general statement or term, are not to be construed as limiting the general statement or term to the specific items or matters set forth or to similar items or matters, but rather as permitting the general statement or term to refer to all other items or matters that could reasonably fall within its broadest possible scope;

(b) words importing the singular number, where the context requires, include the plural and vice-versa and words importing the masculine gender include the feminine gender and the neuter and vice-versa, as appropriate;

(c) unless otherwise noted, a reference to a Section or Exhibit means a Section or Exhibit of this Agreement;

(d) a reference to an entity includes any successor to that entity;

(e) if any conflict arises between provisions contained within the body of this Agreement and those contained within Exhibit A or Exhibit B to this Agreement, the body of the Agreement shall prevail;

(f) this Agreement will inure to the benefit of and be binding upon the Parties and their respective successors and permitted assigns; and

(g) nothing contained in this Agreement will be construed as affecting in any way the right of either Party to exercise its rights under relevant governing laws or pursuant to any rules and regulations of a commission with jurisdiction.

15. STANDARD PROVISIONS

(a) **Amendments**
Except where this Agreement explicitly allows one Party to unilaterally amend a provision or exhibit, no amendment of this Agreement shall be of any force or effect unless set forth in a written instrument signed by authorized representatives of each Party.

(b) **Assignment**
This Agreement is binding on any successors and assigns of the Parties. Neither Party may otherwise transfer or assign this Agreement, in whole or

in part, without the other Party's written consent. Such consent shall not be unreasonably withheld.

(c) **Entire Agreement**
This Agreement, including documents and active pre-existing site-specific agreements expressly incorporated by reference, constitutes the entire agreement between the Parties. Unless specifically provided otherwise in this Agreement, the active pre-existing site-specific agreements that are referenced in Exhibit A shall control.

(d) **Freedom of Information Act (FOIA)**
BPA may release information provided by SCL to comply with FOIA or if required by any other federal law or court order. For information that SCL designates in writing as proprietary, BPA will limit the use and dissemination of that information within BPA to employees who need the information for purposes of this Agreement.

(e) **Governing Law**
This Agreement shall be interpreted, construed and enforced in accordance with Federal law. If under Federal Law the court applies state law, the court shall apply Washington law.

(f) **No Third Party Beneficiaries**
This Agreement is made and entered into for the sole benefit of the Parties, and the Parties intend that no other person or entity shall be a direct or indirect beneficiary of this Agreement.

(g) **Relationship of the Parties**
Neither Party is the agent or principal of the other, nor are they partners or joint venturers. Each Party agrees that it will not represent that, in performing its obligations hereunder, it acts in the capacity of agent or principal of the other Party, nor that it is a partner or joint venturer with the other Party with respect to the subject matter of this Agreement.

(h) **Section Headings**
Section headings and subheadings appearing in this Agreement are inserted for convenience only and are not be construed as interpretations of text.

(i) **Several Obligations**
Except where specifically stated in this Agreement, the duties, obligations and liabilities of the Parties are intended to be several and not joint or collective.

(j) **Uncontrollable Force**
The Parties shall not be in breach of their respective obligations to the extent failure to fulfill any obligation is due to an Uncontrollable Force, where "Uncontrollable Force" means an event beyond the reasonable control of, and without the fault or negligence of, the Party claiming the Uncontrollable

Force that prevents that Party from performing its contractual obligations under this Agreement and which, by exercise of that Party's reasonable care, diligence and foresight, such Party was unable to avoid. Uncontrollable Forces include, but are not limited to:

(1) strikes or work stoppage;

(2) floods, earthquakes, or other natural disasters; terrorist acts; and

(3) final orders or injunctions issued by a court or regulatory body having competent subject matter jurisdiction which the Party claiming the Uncontrollable Force, after diligent efforts, was unable to have stayed, suspended, or set aside pending review by a court of competent subject matter jurisdiction.

Neither the unavailability of funds or financing, nor conditions of national or local economies or markets shall be considered an Uncontrollable Force. The economic hardship of either Party shall not constitute an Uncontrollable Force. Nothing contained in this provision shall be construed to require either Party to settle any strike or labor dispute in which it may be involved.

If an Uncontrollable Force prevents a Party from performing any of its obligations under this Agreement, such Party shall: (1) immediately notify the other Party of such Uncontrollable Force by any means practicable and confirm such notice in writing as soon as reasonably practicable; (2) use its best efforts to mitigate the effects of such Uncontrollable Force, remedy its inability to perform, and resume full performance of its obligation hereunder as soon as reasonably practicable; (3) keep the other Party apprised of such efforts on an ongoing basis; and (4) provide written notice of the resumption of performance. Written notices sent under this Section must comply with Exhibit C, Notices.

(k) **Waivers**

No waiver of any provision or breach of this Agreement shall be effective unless such waiver is in writing and signed by the waiving Party, and any such waiver shall not be deemed a waiver of any other provision of this Agreement or any other breach of this Agreement.

16. SIGNATURES

The Parties have executed this Agreement as of the last date indicated below.

CITY OF SEATTLE, CITY LIGHT DEPARTMENT	UNITED STATES OF AMERICA Department of Energy Bonneville Power Administration
By: _____	By: _____
Name: Philip West	Name: Toni L. Timberman
Title: Customer Service & Energy Delivery Business Unit Officer	Title: Senior Transmission Account Executive
Date: _____	Date: _____

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EXHIBIT A
INTERCONNECTION DETAILS

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TABLE 13: BOUNDARY EQUIPMENT

TABLE 14: BOUNDARY-METALINE FALLS TAP 115 KV TRANSMISSION LINE

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EXHIBIT A
INTERCONNECTION DETAILS

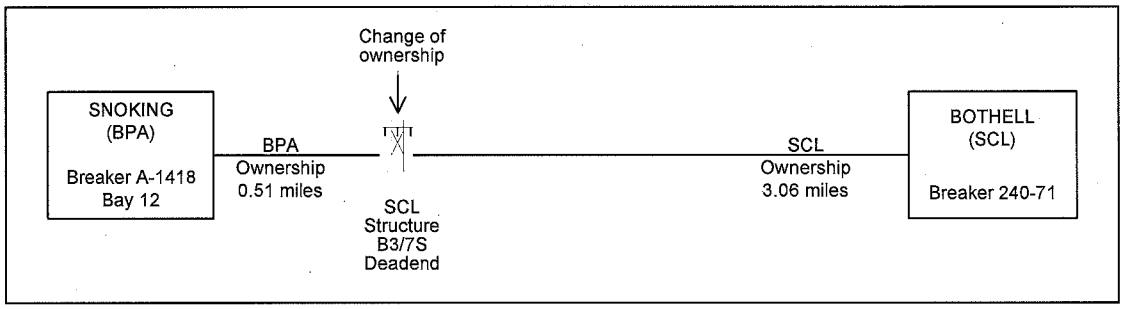
TABLE 1
BOTHELL-SNOKING NO. 1 230 KV TRANSMISSION LINE

1. DESCRIPTION

Bothell-SnoKing No. 1 is a 3.57 mile, 230 kV double circuit (with Bothell-Sno-King No. 2) transmission line terminating at breaker position A-1418 in bay 12 at BPA's SnoKing Substation and at breaker position 240-71 at SCL's Bothell Substation.

2. CHANGE OF OWNERSHIP

The change of ownership takes place at the SCL-owned deadend structure B3/7S, which is located near SnoKing Substation. BPA owns 0.51 miles of the transmission line from SnoKing Substation to the change of ownership and SCL owns 3.06 miles of the transmission line, from the change of ownership to Bothell Substation.



3. MAINTENANCE RESPONSIBILITIES

(a) BPA will maintain the transmission line structures, conductor and associated hardware from breaker position A-1418 in bay 12 at SnoKing Substation to, but not including, the SCL owned deadend structure B3/7S.

(b) SCL will maintain the transmission line structures, conductor and associated hardware from the SCL-owned deadend structure B3/7S, including structure B3/7S, to breaker position 240-71 at Bothell Substation.

4. VEGETATION MANAGEMENT

(a) BPA is responsible for the vegetation management on the BPA right-of-way, from the perimeter fence at SnoKing Substation to, but not around and under, the SCL-owned deadend structure B3/7S.

(b) SCL is responsible for the vegetation management on the SCL right-of-way from the perimeter fence at Bothell Substation to, around and under the SCL-owned deadend structure B3/7S.

5. METERING

This transmission line connects BPA's Balancing Authority Area (BAA) to SCL's BAA; therefore, interchange metering is required. Revenue metering is not required.

Interchange Meter Location: MDMR Meter Point Number 3784 at SnoKing Substation, breaker position A-1418 in bay 12;

Interchange Meter is owned and maintained by BPA;

Metering Current Transformers are owned and maintained by BPA;

Metering Potential Transformers are owned and maintained by BPA.

6. PROTECTION AND COMMUNICATION

(a) **BPA**

Protection Equipment: Relaying and Transfer Trip equipment at SnoKing Substation is owned and maintained by BPA;

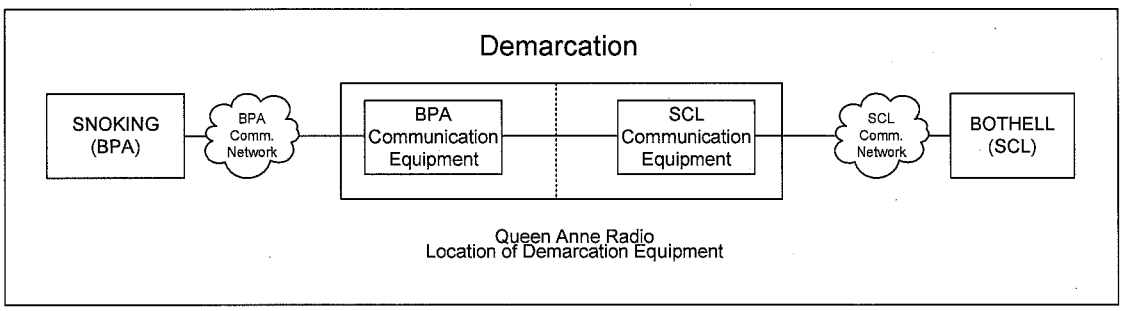
Relay Equipment: Various types of electromechanical relays;

Transfer Trip Equipment: RFL 9745 (Communication Circuit 7036).

(b) **SCL**

Protection Equipment: Relaying and Transfer Trip equipment at Bothell Substation is owned and maintained by SCL;

Relay Equipment: Various types of electromechanical relays (D-21970);
Transfer Trip Equipment: RFL 9745 (D-42826).



Demarcation Location: SCL Radio Station (aka Queen Anne Radio Station).

7. SPECIAL PROTECTION SCHEME ASSOCIATED WITH THIS FACILITY
See BPA Contract No. 10TX-14661.

8. OPERATING PROCEDURE
BPA DSO Nos. 348 and 349.

9. ADDITIONAL REFERENCE MATERIAL

(a) BPA Transmission Line One-Line Diagram: Bothell-SnoKing No. 1, Serial No. 138338-1-6;

(b) BPA Substation One-Line Diagram: SnoKing drawing 131883;

(c) BPA Meter Diagram: SCL #10349, Revised 1/25/12;

(d) BPA Plan and Profile Drawing: 144367;

(e) SCL Operator's Diagram: Bothell D-12073;

(f) SCL Plan and Profile Drawing: T5062.

10. RELATED CONTRACT(S) AND EXPIRATION

(a) 14-03-79110 – Reciprocal Operating and Emergency Repair Agreement – 30 days' notice;

(b) 00TX-10292 – Settlement Agreement (Bothell-SnoKing No. 2 reinforcement and use) – February 28, 2003;

(c) 02TX-10797 – North Seattle Area Reinforcement Project (Bothell Substation)- December 31, 2003;

(d) 06TX-12441 – Agreement for Procurement, Testing and Delivery of Two RFL 9745 Microwave Transfer Trip Tone Shelves (East Pine-Maple Valley and Bothell-SnoKing No. 1) – December 15, 2007;

(e) 10TX-14661 – Letter Agreement (special protection scheme for Bothell-SnoKing lines) – April 1, 2014.

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EXHIBIT A
INTERCONNECTION DETAILS

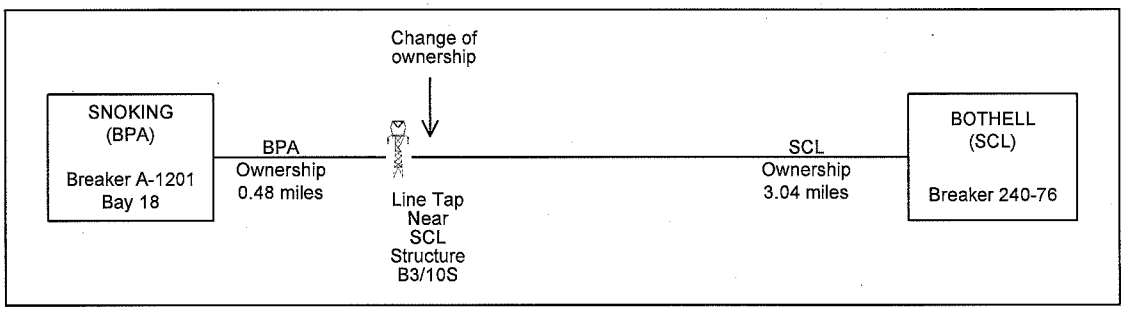
TABLE 2
BOTHELL-SNOKING NO. 2 230 KV TRANSMISSION LINE

1. DESCRIPTION

Bothell-SnoKing No. 2 is a 3.52 mile, 230 kV double circuit (with Bothell-Sno-King No. 1) transmission line terminating at breaker position A-1201 in bay 18 at BPA's SnoKing Substation and at breaker position 240-76 at SCL's Bothell Substation.

2. CHANGE OF OWNERSHIP

The change of ownership takes place at a line tap that is adjacent to, and on the Bothell side of, the SCL-owned structure B3/10S, which is located near SnoKing Substation. BPA owns 0.48 miles of the transmission line from SnoKing Substation to the change of ownership and SCL owns 3.04 miles of the transmission line from the change of ownership to Bothell Substation. BPA owns structure 3/1 and SCL owns structures 0/2 and 0/3 located near SCL's structure B3/10S. SCL owns the one-span 0/2-0/3 tap line and both sets of line tap jumpers.



3. MAINTENANCE RESPONSIBILITIES

(a) BPA will maintain the transmission line structures, conductor and associated hardware from breaker position A-1201 in bay 18 at SnoKing Substation to and including, BPA structure 3/1.

(b) SCL will maintain the transmission line structures, conductor and associated hardware from breaker position 240-76 in Bothell Substation to the jumpers on the line tap near the SCL-owned structure B3/10S, including structure B3/10S and the one-span 0/2-0/3 tap line. SCL will maintain both sets of the line tap jumpers.

4. VEGETATION MANAGEMENT

(a) BPA is responsible for the vegetation management on the BPA right-of-way from the perimeter fence at SnoKing Substation to, around and under BPA structure 3/1.

(b) SCL is responsible for the vegetation management on the SCL right-of-way from the perimeter fence at Bothell Substation to, around and under the SCL-owned structure B3/10S. SCL shall also be responsible for the vegetation management on the SCL one-span 0/2-0/3 tap line, including around and under structures 0/2 and 0/3.

5. METERING

This transmission line connects BPA's Balancing Authority Area (BAA) to SCL's BAA; therefore, interchange metering is required. Revenue metering is not required.

Interchange Meter Location: MDMR Meter Point Number 3942 at SnoKing Substation, breaker position A-1201 in bay 18;

Interchange Meter is owned and maintained by BPA;

Metering Current Transformers are owned and maintained by BPA;

Metering Potential Transformers are owned and maintained by BPA.

6. PROTECTION AND COMMUNICATION

(a) **BPA**

Protection Equipment: Relaying and Transfer Trip equipment at SnoKing Substation is owned and maintained by BPA;

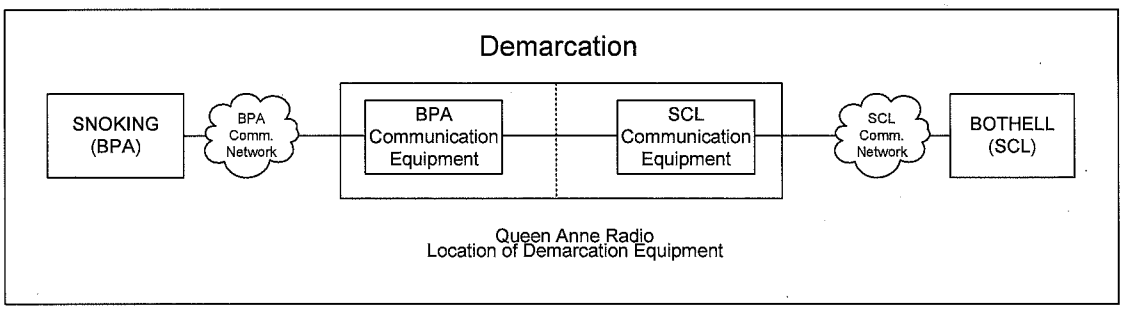
Relay Equipment: Various types of electromechanical relays;

Transfer Trip Equipment: RFL 9745 (Communication Circuit 7565).

(b) **SCL**

Protection Equipment: Relaying and Transfer Trip equipment at Bothell Substation is owned and maintained by SCL;

Relay Equipment: SEL 311C (D-21970);
Transfer Trip Equipment: RFL 9745 (D-42826).



Demarcation Location: Seattle Radio Station (aka Queen Anne Radio Station).

7. SPECIAL PROTECTION SCHEME ASSOCIATED WITH THIS FACILITY

See BPA Contract No. 10TX-14661.

8. OPERATING PROCEDURE

BPA DSO Nos. 348 and 349.

9. ADDITIONAL REFERENCE MATERIAL

(a) BPA Transmission Line One-Line Diagram: Bothell-SnoKing No. 2, Serial No. 273289;

(b) BPA Substation One-Line Diagram: SnoKing drawing 131883;

(c) BPA Meter Diagram: SCL, Seattle City Light #10349, Revised 1/25/12;

(d) BPA Plan and Profile Drawing: #276455 and #144367;

(e) SCL Operator's Diagram: Bothell D-12073;

(f) SCL Plan and Profile Drawing: T5062.

10. RELATED CONTRACT(S) AND EXPIRATION

(a) 14-03-79110 – Reciprocal Operating and Emergency Repair Agreement – 30 days' notice;

(b) 00TX-10277 – Settlement Agreement (SnoKing-Maple Valley Nos. 1 and 2 reinforcement and use) – February 28, 2003;

(c) 00TX-10292 – Settlement Agreement (Bothell-SnoKing No. 2 reinforcement and use) – February 28, 2003;

(d) 02TX-02TX-10797 – North Seattle Area Reinforcement Project (Bothell-SnoKing lines) – April 1, 2013;

(e) 10TX-14661 – Letter Agreement (special protection scheme for Bothell-SnoKing lines) – April 1, 2014;

(f) Agreement to Provide a Temporary 115 kV Standby tie Line for Back-up Emergency Wheeling Service – June 1, 2002 (Between SCL and Snohomish PUD).

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EXHIBIT A
INTERCONNECTION DETAILS

TABLE 3
COVINGTON-CRESTON NO. 1 230 KV TRANSMISSION LINE

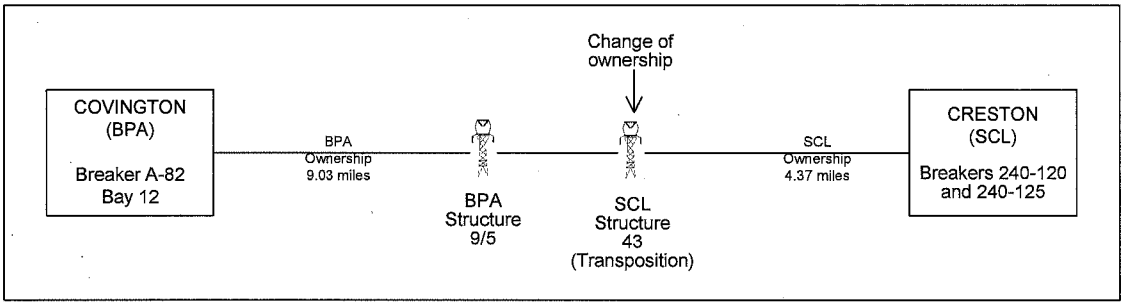
1. DESCRIPTION

Covington-Creston No. 1 is a 13.40 mile, 230 kV transmission line terminating at breaker position A-82, in bay 12 at BPA's Covington Substation and between breaker positions 240-120 and 240-125 at SCL's Creston Substation.

2. CHANGE OF OWNERSHIP

The change of ownership takes place at a point on the transmission line between the BPA-owned structure 9/5 and the SCL-owned structure 43, which are located several miles from Creston Substation. BPA owns 9.03 miles of transmission line from Covington Substation to the change of ownership and SCL owns 4.37 miles of the transmission line from the change of ownership to Creston Substation.

Contract No. 12202 defines the change of ownership to be at survey location 477+83.8, which is located mid-span between the BPA-owned structure 9/5 and the SCL-owned structure 43. By mutual agreement, BPA and SCL have deemed that the change of ownership shall be at the SCL-owned structure 43.



3. MAINTENANCE RESPONSIBILITIES

(a) BPA will maintain the transmission line structures, conductor and associated hardware from breaker position A-82 in bay 12 at Covington Substation to, but not including, the SCL-owned structure 43.

(b) SCL will maintain the transmission line structures, conductor and associated hardware from breaker positions 240-120 and 240-125 at Creston Substation to, and including the SCL-owned structure 43. SCL shall be responsible for the SCL-owned structure 43 and all associated line hardware.

4. VEGETATION MANAGEMENT

(a) BPA is responsible for the vegetation management on the BPA right-of-way from the perimeter fence at Covington Substation to, but not around and

under, the SCL-owned structure 43.

(b) SCL is responsible for the vegetation management on the SCL right-of-way from the perimeter fence at Creston Substation to, around, and under the SCL-owned structure 43.

5. METERING

This transmission line connects BPA 's Balancing Authority Area (BAA) to SCL's BAA; therefore, interchange metering is required. Revenue metering is not required.

Interchange Meter Location: MDMR Meter Point Number 2922 at Covington Substation, breaker position A-82 in bay 12;

Interchange Meter is owned and maintained by BPA;

Metering Current Transformers are owned and maintained by BPA;

Metering Potential Transformers are owned and maintained by BPA.

6. PROTECTION AND COMMUNICATION

(a) **BPA**

Protection Equipment: Relaying and Transfer Trip equipment at Covington Substation is owned and maintained by BPA;

Relay Equipment: Various types of electromechanical relays;

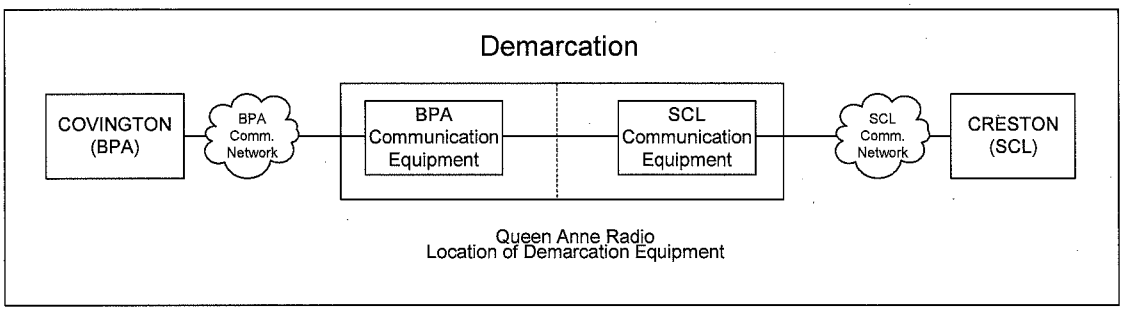
Transfer Trip Equipment: RFL 9745 (Rack 17, Communication Circuit 7113).

(b) **SCL**

Protection Equipment: Relaying and Transfer Trip equipment at Creston Substation is owned and maintained by SCL;

Relay Equipment Description: Various types of electromechanical relays (D-21069);

Transfer Trip Equipment Description: RFL 9745 (D-42410).



Demarcation Location: Seattle Radio Station (aka Queen Anne Radio Station).

7. SPECIAL PROTECTION SCHEME ASSOCIATED WITH THIS FACILITY

Not applicable.

8. OPERATING PROCEDURE

Not applicable.

9. ADDITIONAL REFERENCE MATERIAL

(a) BPA Transmission Line One-Line Diagram: Covington-Creston No. 1, Serial No. 85459, Revision No. 9;

(b) BPA Substation One-Line Diagram: Covington drawing 124043, sheets 1 and 2;

(c) BPA Meter Diagram: SCL, Seattle City Light #10349, Revised 1/25/12;

(d) BPA Plan and Profile Drawing: #9759;

(e) SCL Operator's Diagram: Creston D-17995;

(f) SCL Plan and Profile Drawing: TD10351.

10. RELATED CONTRACT(S) AND EXPIRATION

(a) 14-03-79110 – Reciprocal Operating and Emergency Repair Agreement – 30 days' notice;

(b) 06TX-12202 – Agreement for Procurement, Testing, and Delivery of Two RFL 9745 Microwave Transfer Trip Tone Shelves (Covington-Creston No. 1 and Snohomish--Bothell No. 2) – September 1, 2006.

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EXHIBIT A
INTERCONNECTION DETAILS

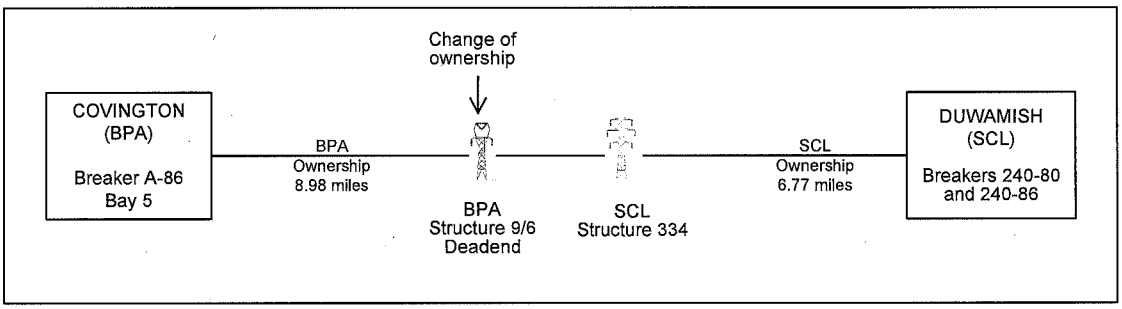
TABLE 4
COVINGTON-DUWAMISH NO. 1 230 KV TRANSMISSION LINE

1. DESCRIPTION

Covington-Duwamish No. 1 is a 15.75 mile, 230 kV transmission line terminating at breaker position A-86, in bay 5 at BPA's Covington Substation and between breaker positions 240-80 and 240-86 at SCL's Duwamish Substation.

2. CHANGE OF OWNERSHIP

The change of ownership takes place at the BPA-owned deadend structure 9/6, which is located near the SCL-owned structure 334, both of which are several miles from both Covington and Duwamish Substations. BPA owns 8.98 miles from Covington Substation to the change of ownership and SCL owns 6.77 miles from the change of ownership to Duwamish Substation.



3. MAINTENANCE RESPONSIBILITIES

(a) BPA will maintain the transmission line structures, conductor and associated hardware from breaker position A-86 in bay 5 at Covington Substation to, and including, the BPA-owned structure 9/6.

(b) SCL will maintain the transmission line structures, conductor and associated hardware from breaker positions 240-80 and 240-86 at Duwamish Substation to, but not including the BPA-owned structure 9/6.

4. VEGETATION MANAGEMENT

(a) BPA is responsible for the vegetation management on the BPA right-of-way from the perimeter fence at Covington Substation to, around, and under the BPA-owned structure 9/6.

(b) SCL is responsible for the vegetation management on the SCL right-of-way from the perimeter fence at Duwamish Substation to, but not around and under the BPA-owned structure 9/6.

5. METERING

This transmission line connects BPA's Balancing Authority Area (BAA) to SCL's BAA; therefore, interchange metering is required. Revenue metering is not required.

Interchange Meter Location: MDMR Meter Point Number 2923 at Covington Substation, breaker position A-86 in bay 5;

Interchange Meter is owned and maintained by BPA;

Metering Current Transformers are owned and maintained by BPA;

Metering Potential Transformers are owned and maintained by BPA.

6. PROTECTION AND COMMUNICATION

(a) BPA

Protection Equipment: Relaying and Transfer Trip equipment at Covington Substation is owned and maintained by BPA;

Relay Equipment: Various types of electromechanical relays;

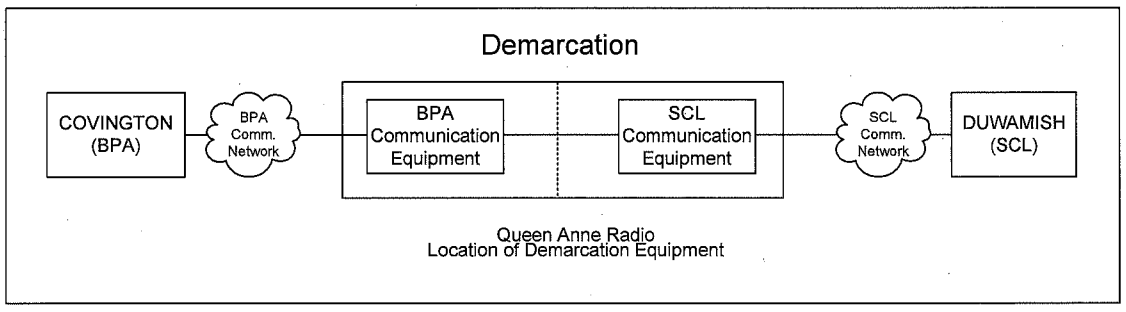
Transfer Trip Equipment: RFL 9745 (Rack 22, Communication Circuit 7261).

(b) SCL

Protection Equipment: Relaying and Transfer Trip equipment at Duwamish Substation is owned and maintained by SCL;

Relay Equipment: Various types of electromechanical relays (D-21067);

Transfer Trip Equipment: RFL 9745 (D-41761).



Demarcation Location: Seattle Radio Station (aka Queen Anne Radio Station).

7. SPECIAL PROTECTION SCHEME ASSOCIATED WITH THIS FACILITY

Not applicable.

8. OPERATING PROCEDURE

Not applicable.

9. ADDITIONAL REFERENCE MATERIAL

(a) BPA Transmission Line One-Line Diagram: Covington-Duwamish No. 1, Serial No. 262061, Revision No. 2;

(b) BPA Substation One-Line Diagram: Covington drawing 124043, sheets 1 and 2;

(c) BPA Meter Diagram: SCL, Seattle City Light #10349, Revised 1/25/12;

(d) BPA Plan and Profile Drawing: #123809;

(e) SCL Operator's Diagram: Duwamish D-17894;

(f) SCL Plan and Profile Drawing: TD10351.

10. RELATED CONTRACT(S) AND EXPIRATION

05TX-12003 – Agreement for Procurement, Testing, and Delivery of Two RFL 9745 Microwave Transfer Trip Tone Shelves (Covington- Duwamish No. 1 and Snohomish-Bothell No. 1) – September 1, 2005.

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EXHIBIT A
INTERCONNECTION DETAILS

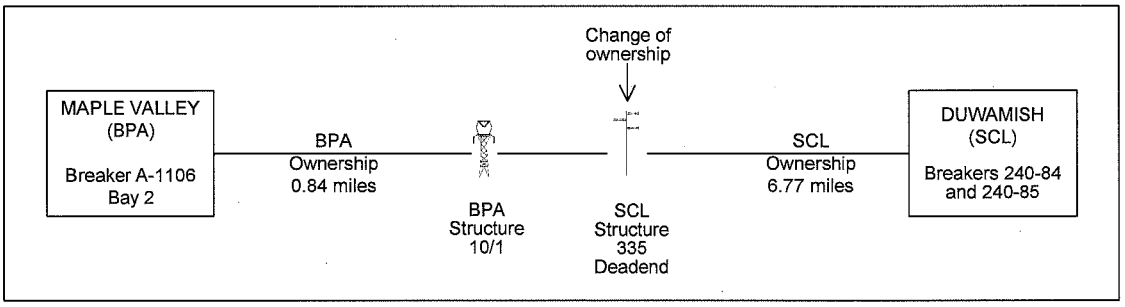
TABLE 5
MAPLE VALLEY-DUWAMISH NO. 1 230 KV TRANSMISSION LINE

1. DESCRIPTION

Maple Valley-Duwamish No. 1 is a 7.61 mile, 230 kV transmission line terminating at breaker position A-1106 in bay 2 at BPA's Maple Valley Substation and between breaker positions 240-84 and 240-85 at SCL's Duwamish Substation.

2. CHANGE OF OWNERSHIP

The change of ownership takes place at the SCL-owned deadend structure 335, which is located near Maple Valley Substation and adjacent to the BPA-owned structure 10/1. BPA owns 0.84 miles of the transmission line from Maple Valley Substation to the change of ownership and SCL owns 6.77 miles of transmission line from the change of ownership to Duwamish Substation.



3. MAINTENANCE RESPONSIBILITIES

(a) BPA will maintain the transmission line structures, conductor and associated hardware from breaker position A-1106 in bay 2 at Maple Valley Substation to, but not including, the SCL-owned structure 335.

(c) SCL will maintain the transmission line structures, conductor and associated hardware from breaker positions 240-84 and 240-85 at Duwamish Substation to, and including the SCL-owned structure 335.

4. VEGETATION MANAGEMENT

(a) BPA is responsible for the vegetation management on the BPA right-of-way from the perimeter fence at Maple Valley Substation to, but not under or around, the SCL-owned deadend structure 335.

(b) SCL is responsible for the vegetation management on the SCL right-of-way from the perimeter fence at Duwamish Substation to, around, and under the SCL-owned deadend structure 335.

5. METERING

This transmission line connects BPA's Balancing Authority Area (BAA) to SCL's BAA; therefore, interchange metering is required. Revenue metering is not required.

Interchange Meter Location: MDMR Meter Point Number 3783 at Maple Valley Substation, breaker position A-1106 in bay 2;

Interchange Meter is owned and maintained by BPA;

Metering Current Transformers are owned and maintained by BPA;

Metering Potential Transformers are owned and maintained by BPA.

6. PROTECTION AND COMMUNICATION

(a) BPA

Protection Equipment: Relaying and Transfer Trip equipment at Maple Valley Substation is owned and maintained by BPA;

Relay Equipment: Various types of electromechanical relays;

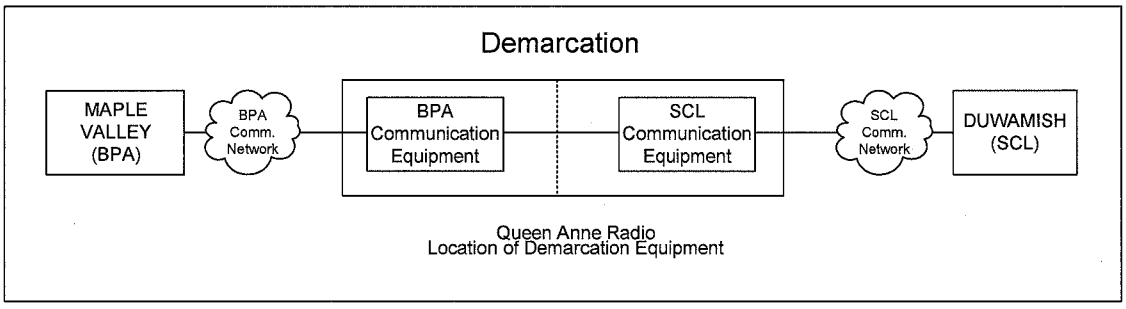
Transfer Trip Equipment: RFL 9745 (Communication Circuit 7165).

(b) SCL

Protection Equipment: Relaying and Transfer Trip equipment at Duwamish Substation is owned and maintained by SCL;

Relay Equipment: SEL 321 (D-44092);

Transfer Trip Equipment: RFL 9745 (D-44101).



Demarcation Location: Seattle Radio Station (aka Queen Anne Radio Station).

7. SPECIAL PROTECTION SCHEME ASSOCIATED WITH THIS FACILITY

Not applicable.

8. OPERATING PROCEDURE

Not applicable.

9. ADDITIONAL REFERENCE MATERIAL

(a) BPA Transmission Line One-Line Diagram: Maple Valley-Duwamish No. 1, Serial No. 157401;

(b) BPA Substation One-Line Diagram: Maple Valley drawing 115954, sheets 1 and 2;

(c) BPA Meter Diagram: SCL, Seattle City Light #10349, Revised 1/25/12;

(d) BPA Plan and Profile Drawing: #123810;

(e) SCL Operator's Diagram: Duwamish D-17894;

(f) SCL Plan and Profile Drawing: TD10351.

10. RELATED CONTRACT(S) AND EXPIRATION

(a) 14-03-79110 – Reciprocal Operating and Emergency Repair Agreement – 30 days' notice;

(b) DE-MS79-80BP90081 – Trust and O&M Agreement (Maple Valley Substation) – October 1, 2008;

(c) DE-MS79-83BP91133 – Letter Agreement dated May 17, 1984 (use-of-facilities Covington-Maple Valley line) – until terminated by notice;

(d) 98TX-30192 – Letter Agreement dated February 1,2000 (replacement of microwave transfer trip at Maple Valley, Duwamish and Massachusetts Substations) – December 31,2000;

(e) 08TX-13454 – Maple Valley Substation-Replace 230 kV Circuit Breaker – September 1, 2008;

(f) 09TX-13942 – Letter Agreement dated November 30, 2009 (transfers Bay 2 equipment to BPA and terminates Contract No. DE-MS79-80BP-90081) – October 1, 2008.

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EXHIBIT A
INTERCONNECTION DETAILS

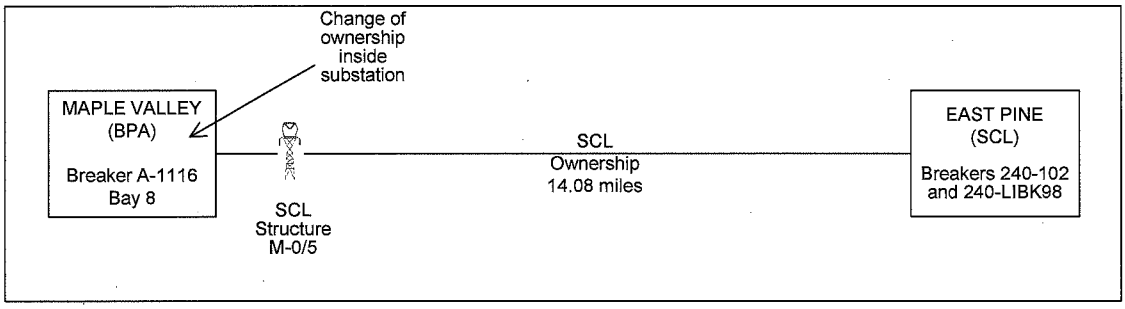
TABLE 6
MAPLE VALLEY-EAST PINE NO. 1 230 KV TRANSMISSION LINE

1. DESCRIPTION

Maple Valley-East Pine No. 1 is a 14.08 mile, 230 kV transmission line terminating at breaker position A-1116 in bay 8 at BPA's Maple Valley Substation and between breaker positions 240-102 and LI240BK98 at SCL's East Pine Substation.

2. CHANGE OF OWNERSHIP

SCL owns the entire 14.08 mile Maple Valley-East Pine No. 1 line from East Pine Substation to the change of ownership located at the bus structure at breaker position A-1116 in bay 8 at Maple Valley Substation.



3. MAINTENANCE RESPONSIBLITIES

SCL will maintain the transmission line structures, conductor and associated hardware from East Pine Substation to the perimeter fence at Maple Valley Substation. SCL will be responsible for, but BPA will maintain, the SCL-owned conductor located inside the perimeter fence at Maple Valley Substation.

4. VEGETATION MANAGEMENT

SCL is responsible for the vegetation management on the SCL right-of-way from the perimeter fence at East Pine Substation to the perimeter fence at Maple Valley Substation. BPA is responsible for the vegetation management inside the perimeter fence at Maple Valley Substation.

5. METERING

This transmission line connects BPA's Balancing Authority Area (BAA) to SCL's BAA; therefore, interchange metering is required. Revenue metering is not required.
Interchange Meter Location: MDMR Meter Point Number 2925 at Maple Valley Substation, breaker position A-1116 in bay 8;

Interchange Meter is owned and maintained by BPA;

Metering Current Transformers are owned and maintained by BPA;

Metering Potential Transformers are owned and maintained by BPA.

7. PROTECTION AND COMMUNICATION

(a) **BPA**

Protection Equipment: Relaying and Transfer Trip equipment at Maple Valley Substation is owned and maintained by BPA;

Relay Equipment: Various types of electromechanical relays;

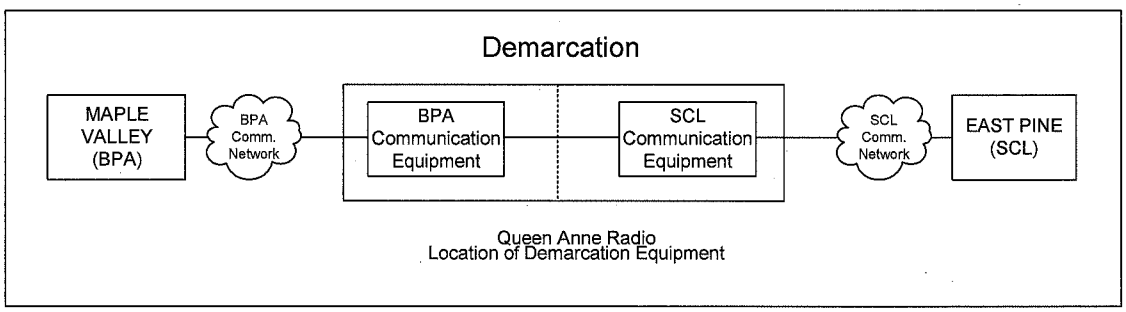
Transfer Trip Equipment: RFL 9745 (MPLV-EPINE 9745).

(b) **SCL**

Protection Equipment: Relaying and Transfer Trip equipment at East Pine Substation is owned and maintained by SCL;

Relay Equipment: Various types of electromechanical relays (D-17998);

Transfer Trip Equipment: RFL 9745 (D-42925).



Demarcation Location: Seattle Radio Station (aka Queen Anne Radio Station).

7. SPECIAL PROTECTION SCHEME ASSOCIATED WITH THIS FACILITY

Not applicable.

8. OPERATING PROCEDURE

Not applicable.

9. ADDITIONAL REFERENCE MATERIAL

(a) BPA Transmission Line One-Line Diagram: Maple Valley-East Pine No. 1 is owned by SCL, therefore BPA does not have a drawing;

(b) BPA Substation One-Line Diagram: Maple Valley drawing 115954, sheets 1 and 2;

(c) BPA Meter Diagram: SCL, Seattle City Light #10349, Revised 1/25/12;

(d) BPA Plan and Profile Drawing: Not applicable;

(e) SCL Operator's Diagram: East Pine D-22450;

(f) SCL Plan and Profile Drawing: TD10230.

10. RELATED CONTRACT(S) AND EXPIRATION

(a) 14-03-79110 – Reciprocal Operating and Emergency Repair Agreement – 30 days' notice;

(b) 06TX-12441 – Agreement for Procurement, Testing and Delivery of Two RFL 9745 Microwave Transfer Trip Tone Shelves (Maple Valley- East Pine No. 1 and Bothell-SnoKing No. 1) – December 15, 2007.

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EXHIBIT A
INTERCONNECTION DETAILS

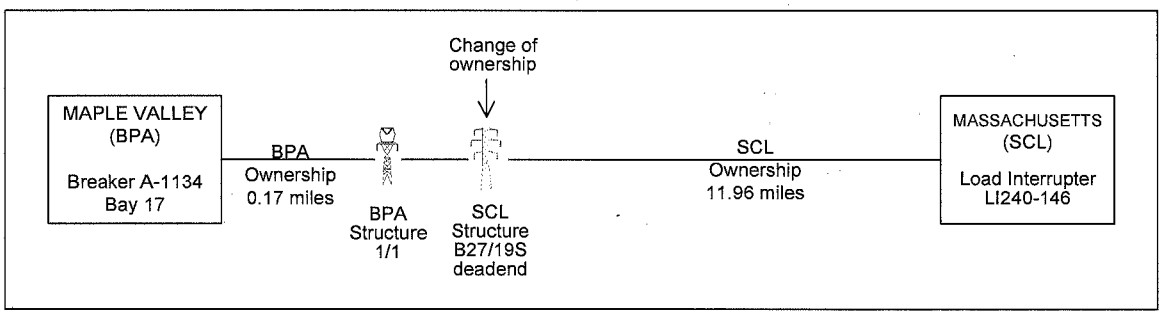
TABLE 7
MAPLE VALLEY-MASSACHUSETTS NO. 1 230 KV TRANSMISSION LINE

1. DESCRIPTION

Maple Valley-Massachusetts No. 1 is a 12.13 mile, 230 kV transmission line terminating at breaker position A-1134 in bay 17 at BPA's Maple Valley Substation and at the SCL-owned load interrupter designated LI240-146, which shares a paired element bus with bank 18 via LI240BK18 in SCL's Massachusetts Substation, while the devise that provides primary protection for the bus is breaker 240-110.

2. CHANGE OF OWNERSHIP

The change of ownership takes place at the SCL-owned deadend structure B27/19S, which is located near Maple Valley Substation and adjacent to the BPA-owned structure 1/1. BPA owns 0.17 miles of the transmission line from Maple Valley Substation to the change of ownership and SCL owns 11.96 miles of transmission line from the change of ownership to Massachusetts Substation.



3. MAINTENANCE RESPONSIBILITIES

(a) BPA will maintain the transmission line structures, conductor and associated hardware from breaker position A-1134 in bay 17 at Maple Valley Substation to, but not including, the SCL-owned deadend structure B27/19S.

(b) SCL will maintain the transmission line structures, conductor and associated hardware from the SCL-owned load interrupter LI240-146 at Massachusetts Substation to, and including the SCL-owned deadend structure B27/19S.

4. VEGETATION MANAGEMENT

(a) BPA is responsible for the vegetation management on the BPA right-of-way from the perimeter fence at Maple Valley Substation to, but not under and around, the SCL-owned deadend structure B27/19S.

(b) SCL is responsible for the vegetation management on the SCL right-of-way from the perimeter fence at Massachusetts Substation to, around, and under the SCL-owned deadend structure B27/19S.

5. METERING

This transmission line connects BPA's Balancing Authority Area (BAA) to SCL's BAA; therefore, interchange metering is required. Revenue metering is not required.

Interchange Meter Location: MDMR Meter Point Number 2928 at Maple Valley Substation, breaker position A-1134 in bay 17;

Interchange Meter is owned and maintained by BPA;

Metering Current Transformers are owned and maintained by BPA;

Metering Potential Transformers are owned and maintained by BPA.

6. PROTECTION AND COMMUNICATION

(a) BPA

Protection Equipment: Relaying and Transfer Trip equipment at Maple Valley Substation is owned and maintained by BPA;

Relay Equipment: Various types of electromechanical relays;

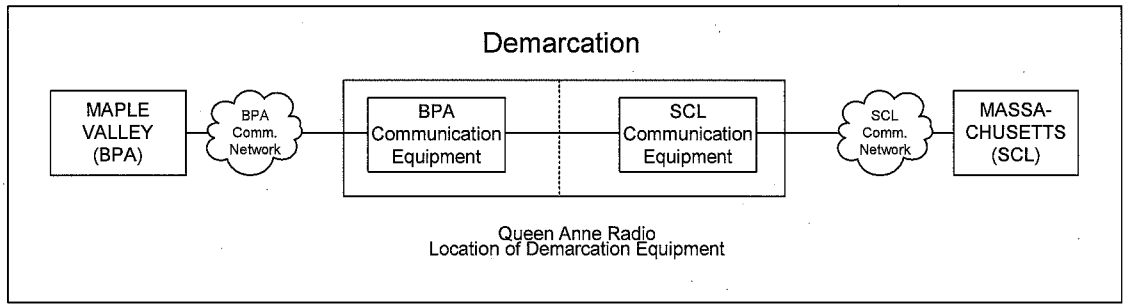
Transfer Trip Equipment: RFL 9745 (Communication Circuit 7114).

(b) SCL

Protection Equipment: Relaying and Transfer Trip equipment at Massachusetts Substation is owned and maintained by SCL;

Relay Equipment: SEL 321 (D-22877);

Transfer Trip Equipment: RFL 9745 (D-34252).



Demarcation Location: Seattle Radio Station (aka Queen Anne Radio Station).

7. SPECIAL PROTECTION SCHEME ASSOCIATED WITH THIS FACILITY

Not applicable.

8. OPERATING PROCEDURE

Not applicable.

9. ADDITIONAL REFERENCE MATERIAL

(a) BPA Transmission Line One-Line Diagram: Maple Valley-Massachusetts No. 1, Serial No. 140129, Revision No. 9;

(b) BPA Substation One-Line Diagram: Maple Valley drawing 15954, sheets 1 and 2;

(c) BPA Meter Diagram: SCL, Seattle City Light #10349, Revised 1/25/12;

(d) BPA Plan and Profile Drawing: 130204;

(e) SCL Operator's Diagram: Massachusetts Street D-22731;

(f) SCL Plan and Profile Drawing: TE5157.

10. RELATED CONTRACT(S) AND EXPIRATION

(a) 14-03-79110 – Reciprocal Operating and Emergency Repair Agreement – 30 days' notice;

(b) DE-MS79-80BP90081 – Trust and O&M Agreement Maple Valley Substation – October 1, 2008;

(c) 98TX-30192 – Letter Agreement dated February 11, 2000 (replacement of microwave transfer trip at Maple Valley, Duwamish and Massachusetts Substations) – December 31, 2000.

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EXHIBIT A
INTERCONNECTION DETAILS

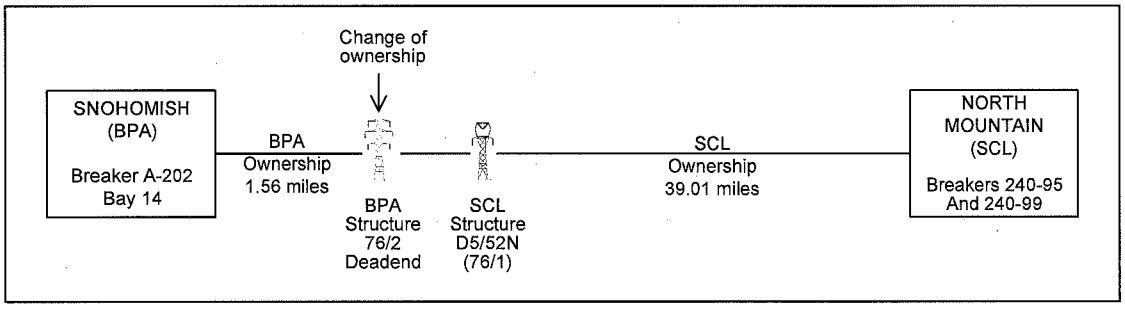
TABLE 8
NORTH MOUNTAIN-SNOHOMISH NO. 1 230 KV TRANSMISSION LINE

1. DESCRIPTION

North Mountain-Snohomish No. 1 is a 40.57 mile, 230 kV double circuit transmission line terminating at breaker position A-202 in bay 14 at BPA's Snohomish Substation and between breaker positions 240-95 and 240-99 at SCL's North Mountain Substation.

2. CHANGE OF OWNERSHIP

The change of ownership takes place at the BPA-owned deadend structure 76/2, which is located near Snohomish Substation and adjacent to the SCL-owned structure 5/52 (76/1). BPA owns 1.56 miles of the transmission line from Snohomish Substation to the change in ownership and SCL owns 39.01 miles of transmission line from the change in ownership to North Mountain Substation.



3. MAINTENANCE RESPONSIBILITIES

(a) BPA will maintain the transmission line structures, conductor and associated hardware from breaker position A-202 in bay 14 at Snohomish Substation to, and including, the BPA-owned deadend structure 76/2.

(b) SCL will maintain the transmission line structures, conductor and associated hardware from breaker positions 240-95 and 240-99 at North Mountain Substation to, but not including the BPA-owned deadend structure 76/2.

4. VEGETATION MANAGEMENT

(a) BPA is responsible for the vegetation management on the BPA right-of-way from the perimeter fence at Snohomish Substation to, around, and under the BPA-owned deadend structure 76/2.

(b) SCL is responsible for the vegetation management on the SCL right-of-way from the perimeter fence at North Mountain Substation to, but not around and under the BPA-owned deadend structure 76/2.

5. METERING

This transmission line connects BPA's Balancing Authority Area (BAA) to SCL's BAA; therefore, interchange metering is required. Revenue metering is not required.

Interchange Meter Location: MDMR Meter Point Number 3786 at Snohomish Substation, breaker position A-202 in bay 14;

Interchange Meter is owned and maintained by BPA;

Metering Current Transformers are owned and maintained by BPA;

Metering Potential Transformers are owned and maintained by BPA.

6. PROTECTION AND COMMUNICATION

(a) **BPA**

Protection Equipment: Relaying and Transfer Trip equipment at Snohomish Substation is owned and maintained by BPA;

Relay Equipment: SEL 421;

Transfer Trip Equipment: Not applicable.

(b) **SCL**

Protection Equipment: Relaying and Transfer Trip equipment at North Mountain Substation is owned and maintained by SCL;

Relay Equipment: SEL 311L relays (D47834 & D48113);

Transfer Trip Equipment: Not applicable.

7. SPECIAL PROTECTION SCHEME ASSOCIATED WITH THIS FACILITY

Not applicable.

8. OPERATING PROCEDURE

Not applicable.

9. ADDITIONAL REFERENCE MATERIAL

(a) BPA Transmission Line One-Line Diagram: North Mountain-Snohomish No. 1, Serial No. 149848;

(b) BPA Substation One-Line Diagram: Snohomish drawing 109541, sheets 1 and 2;

(c) BPA Meter Diagram: SCL, Seattle City Light #10349, Revised 1/25/12;

(d) BPA Plan and Profile Drawing: 126850;

(e) SCL Operator's Diagram: North Mountain D-30838;

(f) SCL Plan and Profile Drawing: TE5242.

10. RELATED CONTRACT(S) AND EXPIRATION

(a) DE-MS-79-89BP92506 – Letter Agreement dated March 7, 1989 (RMS Access Agreement) - March 31, 2011;

(b) DE-RL79-90BP75760 – Lease to SCL for Installation at Snohomish Substation and Microwave Radio Station Site – May 31, 2016.

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EXHIBIT A
INTERCONNECTION DETAILS

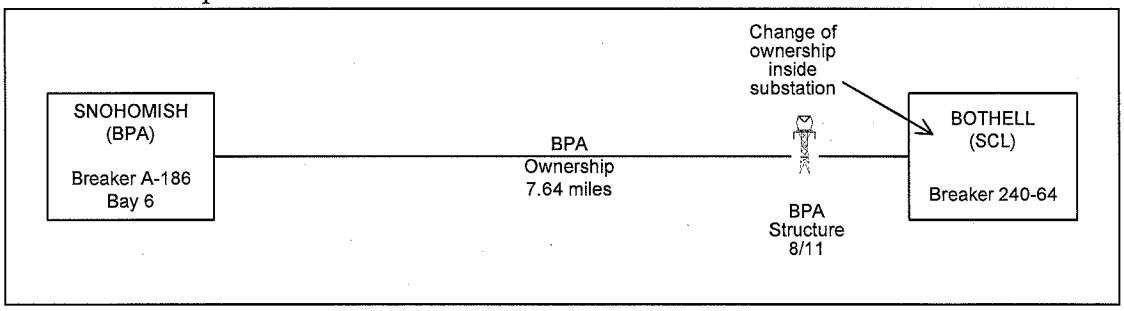
TABLE 9
SNOHOMISH-BOTHELL NO. 1 230 KV TRANSMISSION LINE

1. DESCRIPTON

Snohomish-Bothell No. 1 is a 7.64 mile, 230 kV transmission line terminating at breaker position A-186 in bay 6 at BPA's Snohomish Substation and at breaker position 240-64 at SCL's Bothell Substation.

2. CHANGE OF OWNERSHIP

BPA owns the entire 7.64 mile Snohomish-Bothell No. 1 line from Snohomish Substation to the change of ownership located at the SCL-owned bus structure at breaker position 240-64 in Bothell Substation.



3. MAINTENANCE RESPONSIBILITIES

BPA will maintain the transmission line structures, conductor and associated hardware from Snohomish Substation to the perimeter fence at Bothell Substation. BPA will be responsible for, but SCL will maintain, the BPA owned conductor located inside the perimeter fence at Bothell Substation.

4. VEGETATION MANAGEMENT

(a) BPA is responsible for the vegetation management on the BPA right-of-way from the perimeter fence at Snohomish Substation to the perimeter fence at Bothell Substation.

(b) SCL is responsible for the vegetation management inside the perimeter fence at Bothell Substation.

5. METERING

This transmission line connects BPA's Balancing Authority Area (BAA) to SCL's BAA; therefore, interchange metering is required. Revenue metering is not required.

Interchange Meter Location: MDMR Meter Point Number 3787 at Snohomish Substation, breaker position A-186 in bay 6;

Interchange Meter is owned and maintained by BPA;
Metering Current Transformers are owned and maintained by BPA;

Metering Potential Transformers are owned and maintained by BPA.

6. PROTECTION AND COMMUNICATION

(a) **BPA**

Protection Equipment: Relaying and Transfer Trip equipment at Snohomish Substation is owned and maintained by BPA;

Relay Equipment: Various types of electromechanical relays;

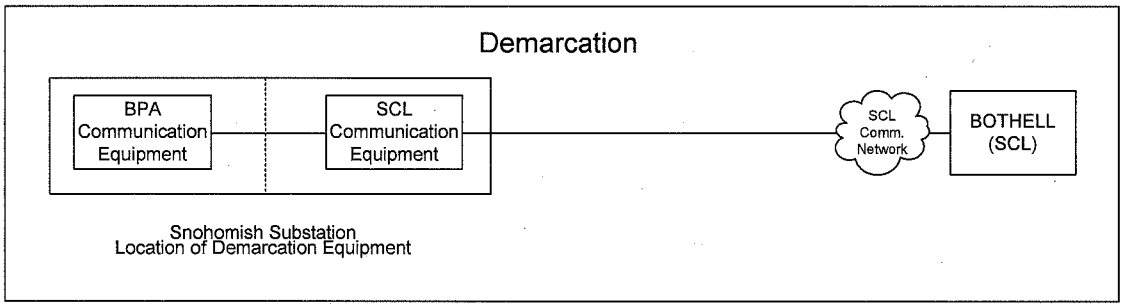
Transfer Trip Equipment: RFL 9745 (Communication Circuit 7832).

(b) **SCL**

Protection Equipment: Relaying and Transfer Trip equipment at Bothell Substation is owned and maintained by SCL;

Relay Equipment: Various types of electromechanical relays (D-21968);

Transfer Trip Equipment: RFL 9745 (D-41748).



Demarcation Location: Snohomish Substation.

7. SPECIAL PROTECTION SCHEME ASSOCIATED WITH THIS FACILITY

Not applicable.

8. OPERATING PROCEDURE

Not applicable.

9. ADDITIONAL REFERENCE MATERIAL

(a) BPA Transmission Line One-Line Diagram: Snohomish-Bothell No. 1, Serial No. 78236;

(b) BPA Substation One-Line Diagram: Snohomish drawing 109541, sheets 2 and 3;

(c) BPA Meter Diagram: SCL, Seattle City Light 10349, Revised 1/25/12;

(d) BPA Plan and Profile Drawing: 40098;

(e) SCL Operator's Diagram: Bothell D-12073.

10. RELATED CONTRACT(S) AND EXPIRATION

05TX-12003 – Agreement – Procurement, Testing and Delivery of Two RFL 9745 Microwave Transfer Trip Tone Shelves (for Covington- Duwamish No. 1 and Snohomish-Bothell No. 1) – September 1, 2005.

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EXHIBIT A
INTERCONNECTION DETAILS

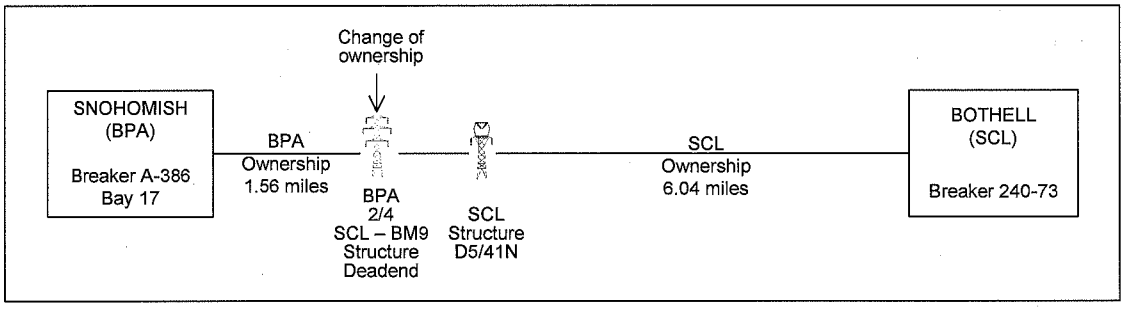
TABLE 10
SNOHOMISH-BOTHELL NO. 2 230 KV TRANSMISSION LINE

1. DESCRIPTION

Snohomish-Bothell No. 2 is a 7.60 mile, 230 kV double circuit (with Snohomish-Bothell No. 1) transmission line terminating at breaker position A-386 in bay 17 at BPA's Snohomish Substation and at breaker position 240-73 at SCL's Bothell Substation.

2. CHANGE OF OWNERSHIP

The change of ownership takes place at the BPA-owned deadend structure 2/4, which is located near Snohomish Substation and adjacent to the SCL-owned structure D5/30N. BPA owns 1.56 miles of transmission line from Snohomish Substation to the change of ownership and SCL owns 6.04 miles of transmission line from the change of ownership to Bothell Substation.



3. MAINTENANCE RESPONSIBILITIES

(a) BPA will maintain the transmission line structures, conductor and associated hardware from breaker position A-386 in bay 17 at Snohomish Substation to, and including, the BPA-owned deadend structure 2/4.

(b) SCL will maintain the transmission line structures, conductor and associated hardware from SCL's breaker position 240-73 at Bothell Substation to, but not including, the BPA-owned deadend structure 2/4.

4. VEGETATION MANAGEMENT

(a) BPA is responsible for the vegetation management on the BPA right-of-way from the perimeter fence at Snohomish Substation to, around, and under the BPA-owned deadend structure 2/4.

(b) SCL is responsible for the vegetation management on the SCL right-of-way from the perimeter fence at Bothell Substation to, but not around and under the BPA-owned deadend structure 2/4.

5. METERING

This transmission line connects BPA's Balancing Authority Area (BAA) to SCL's BAA; therefore, interchange metering is required. Revenue metering is not required.

Interchange Meter Location: MDMR Meter Point Number 3785 at Snohomish Substation, breaker position A-386 in bay 17;

Interchange Meter is owned and maintained by BPA;

Metering Current Transformers are owned and maintained by BPA;
Metering Potential Transformers are owned and maintained by BPA.

6. PROTECTION AND COMMUNICATION

(a) BPA

Protection Equipment: Relaying and Transfer Trip equipment at Snohomish Substation is owned and maintained by BPA;

Relay Equipment: Various types of electromechanical relays;

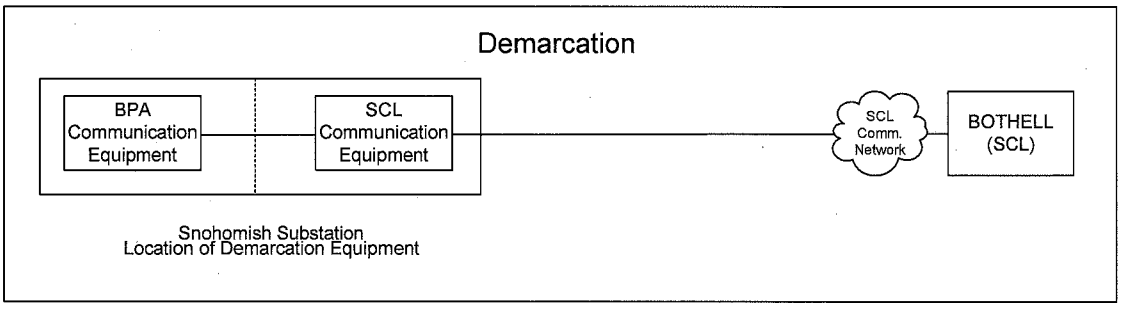
Transfer Trip Equipment: RFL 9745 (Communication Circuit 7833).

(b) SCL

Protection Equipment: Relaying and Transfer Trip equipment at Bothell Substation is owned and maintained by SCL;

Relay Equipment: Various types of electromechanical relays (D-21969);

Transfer Trip Equipment: RFL 9745 (D-24357).



Demarcation Location: Snohomish Substation.

7. SPECIAL PROTECTION SCHEME ASSOCIATED WITH THIS FACILITY

Not applicable.

8. OPERATING PROCEDURE

Not applicable.

9. ADDITIONAL REFERENCE MATERIAL

(a) BPA Transmission Line One-Line Diagram: Snohomish-Bothell No. 2, Serial No. 293215;

(b) BPA Substation One-Line Diagram: Snohomish drawing 109541, sheets 2 and 3;

(c) BPA Meter Diagram: SCL, Seattle City Light 10349, Revised 1/25/12;

(d) BPA Plan and Profile Drawing: 126850;

(e) SCL Operator's Diagram: Bothell D-12073;

(f) SCL Plan and Profile Drawing: TE5242.

10. RELATED CONTRACT(S) AND EXPIRATION

(a) 03TX-10797 – Agreement-North Seattle Area Reinforcement (Bothell Substation) – December 31, 2003;

(b) 06TX-12202 – Agreement for Procurement, Testing, and Delivery of two RFL9745 Microwave Transfer Trip Tone Shelves (Covington-Creston No. 1 and Snohomish-Bothell No. 2) – September 1, 2006.

EXHIBIT A
INTERCONNECTION DETAILS

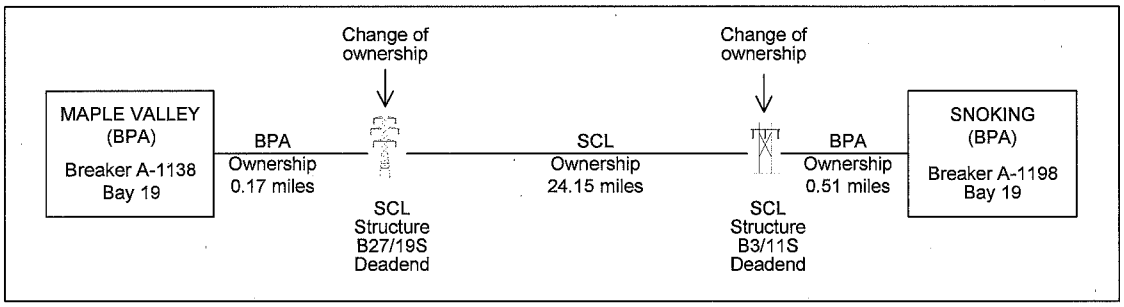
TABLE 11
SNOKING-MAPLE VALLEY NO. 1 230 KV TRANSMISSION LINE

1. DESCRIPTION

SnoKing-Maple Valley No. 1 is a 24.83 mile, 230 kV double circuit (with Snoking-Maple Valley No. 2) transmission line terminating at breaker position A-1198 in bay 19 at BPA's SnoKing Substation and at breaker position A-1138 in bay 19 at BPA's Maple Valley substation.

2. CHANGE OF OWNERSHIP

The change of ownership occurs in two places on this transmission line: 1) at the SCL-owned deadend structure B27/19S, which is located near Maple Valley Substation; and 2) at the SCL-owned deadend structure B3/11S, which is located near SnoKing Substation. BPA owns 0.17 miles of transmission line from Maple Valley Substation to the change of ownership at the SCL-owned deadend structure B27/19S; and BPA owns 0.51 miles of transmission line from SnoKing Substation to the change of ownership at the SCL-owned deadend structure B3/11S. SCL owns 24.15 miles of the transmission line between the SCL-owned deadend structures B27/19S, and B3/11S. SCL owns the jumpers at both B27/19S, and B3/11S.



3. MAINTENANCE RESPONSIBILITIES

(a) BPA will maintain the transmission line structures, conductor and associated hardware from breaker position A-1138 in bay 19 at Maple Valley Substation to, but not including, the SCL-owned deadend structure B27/19S; and from breaker position A-1198 in bay 19 at SnoKing Substation to, but not including the SCL-owned deadend structure B3/11.

(b) SCL will maintain the transmission line structures, conductor and associated hardware between, and including, the SCL-owned deadend structures B27/19S and B3/11S.

4. VEGETATION MANAGEMENT

(a) BPA is responsible for the vegetation management on the BPA right-of-way from the perimeter fence at Maple Valley Substation to, but not around and under, the SCL-owned deadend structure B27/19S; and on the BPA right-of-way from the perimeter fence at SnoKing Substation to, but not around and under, the SCL-owned deadend structure B3/11S.

(b) SCL is responsible for the vegetation management on the SCL right-of-way from, around and under the SCL-owned deadend structure B27/19S to, around and under the SCL-owned deadend structure B3/11S.

5. METERING

This transmission line connects two Substations within BPA's Balancing Authority Area (BAA); therefore, interchange metering is not required. Revenue metering is not required.

6. PROTECTION AND COMMUNICATION

(a) **BPA**

Protection Equipment: Relaying and Transfer Trip equipment at Maple Valley Substation and SnoKing Substation is owned and maintained by BPA;

Relay Equipment: Various types of electromechanical relays;

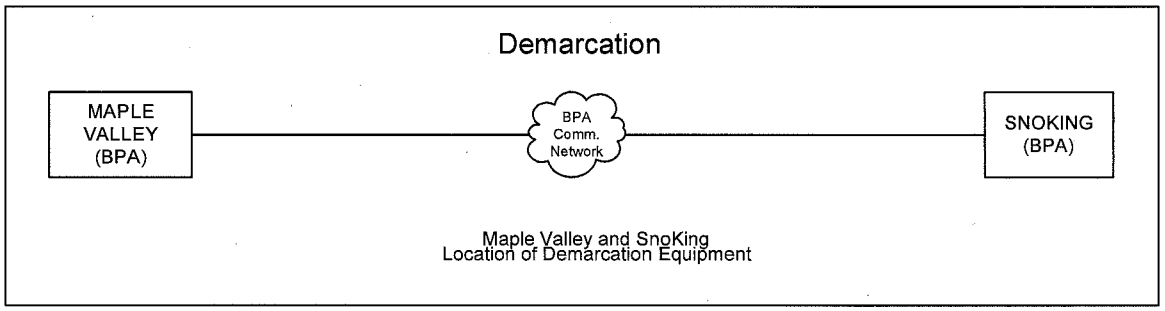
Transfer Trip Equipment: PTR 1000 (Communication Circuit 7064).

(b) **SCL**

Protection Equipment: Not applicable;

Relay Equipment: Not applicable;

Transfer Trip Equipment: Not applicable.



Demarcation Location: Maple Valley and SnoKing Substations.

7. SPECIAL PROTECTION SCHEME ASSOCIATED WITH THIS FACILITY

Not applicable.

8. OPERATING PROCEDURE

BPA DSO Nos. 348 and 349.

9. ADDITIONAL REFERENCE MATERIAL

(a) BPA Transmission Line One-Line Diagram: SnoKing-Maple Valley No. 1, Serial No. 139372;

(b) BPA Substation One-Line Diagram: Maple Valley drawing 115954, sheets 1 and 2 and SnoKing drawing 131883;

(c) BPA Meter Diagram: SCL, Seattle City Light #10349, Revised 1/25/12;

(d) BPA Plan and Profile Drawing: Maple Valley #130204 and SnoKing #144367;

(e) SCL Plan and Profile Drawing: T5062 and TE5157.

10. RELATED CONTRACT(S) AND EXPIRATION

(a) 14-03-79110 – Reciprocal Operating and Emergency Repair Agreement – 30 days' notice;

(b) 00TX-10277 – Settlement Agreement (SnoKing-Maple Valley No. 1 and 2 reinforcement and use) – February 28, 2003;

(c) 98TX-10166 – Maple Valley-SnoKing 230 kV Transmission Line Capacity Restoration – December 31, 1999.

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EXHIBIT A
INTERCONNECTION DETAILS

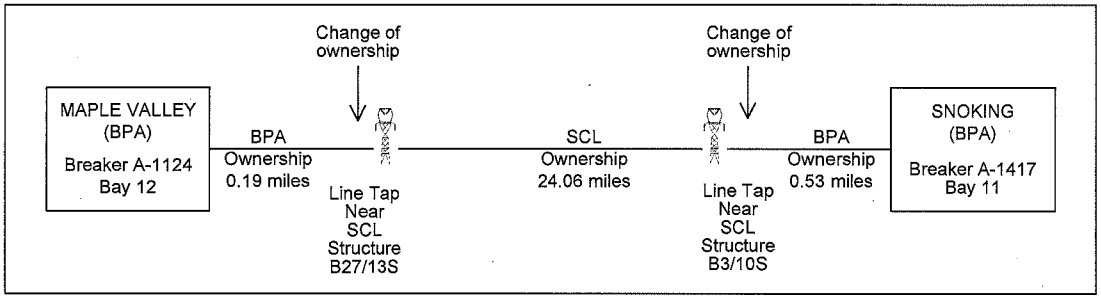
TABLE 12
SNOKING-MAPLE VALLEY NO. 2 230 KV TRANSMISSION LINE

1. DESCRIPTION

SnoKing-Maple Valley No. 2 is a 24.78 mile, 230 kV double circuit (with SnoKing-Maple Valley No. 1) transmission line terminating at breaker position A-1124 in bay 12 at BPA's Maple Valley Substation and at breaker position A-1417 in bay 11 at BPA's SnoKing Substation.

2. CHANGE OF OWNERSHIP

A change of ownership occurs in two places on this transmission line: 1) at a line tap adjacent to the SCL-owned structure B27/13S, which is located 0.19 miles from Maple Valley Substation; and 2) at a line tap adjacent to SCL-owned structure B3-10S, which is located 0.53 miles from SnoKing Substation. SCL owns 24.06 miles of the transmission line from the change of ownership at the line tap near the SCL-owned structure B27/13S to the change of ownership at the tap near the SCL-owned structure B3/10S. SCL owns the line jumpers at each tap location.



3. MAINTENANCE RESPONSIBILITIES

(a) BPA will maintain the transmission line structures, conductor and associated hardware from breaker position A-1124 in bay 12 at Maple Valley Substation to, and including, the BPA-owned structure 28/1 and from breaker position A-1417 in bay 11 at SnoKing Substation, to, and including, the BPA-owned structure 1/12.

(b) SCL will maintain the transmission line structures, conductor and associated hardware from the line tap near the SCL-owned structure B27/13S to the line tap near the SCL-owned structure B3/10S. SCL will maintain the line jumpers at each tap location.

4. VEGETATION MANAGEMENT

(a) BPA is responsible for the vegetation management on the BPA right-of-way from the perimeter fence at Maple Valley Substation to, around, and under the BPA-owned structure 28/1; and from the perimeter fence at SnoKing Substation to, around, and under the BPA-owned structure 1/12.

(b) SCL is responsible for the vegetation management on the SCL right-of-way from the SCL-owned structure B27/13S to the SCL-owned structure B3/10S, but not including around and under the BPA-owned structures 28/1 and 1/12.

5. METERING

This transmission line connects two substations within BPA's Balancing Authority Area (BAA); therefore, interchange metering is not required. Revenue metering is not required.

6. PROTECTION AND COMMUNICATION

(a) BPA

Protection Equipment: Relaying and Transfer Trip equipment at Maple Valley Substation and SnoKing Substation is owned and maintained by BPA;

Relay Equipment: Various types of electromechanical relays;

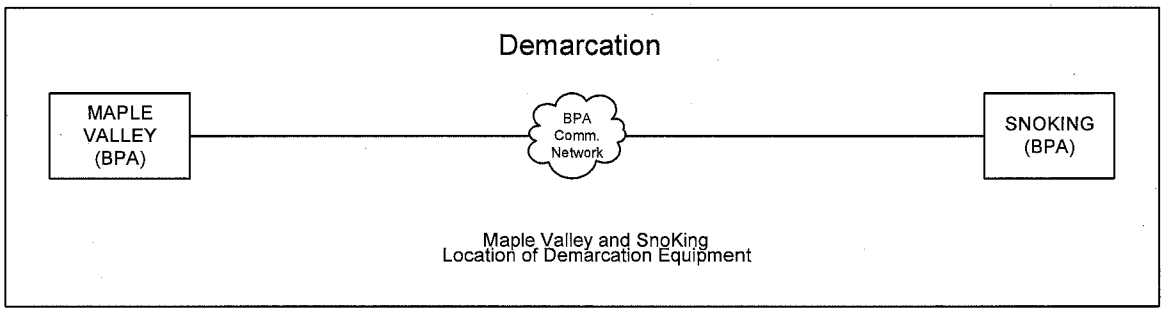
Transfer Trip Equipment: PTR 1000 (Communication Circuit 7032).

(b) SCL

Protection Equipment: Not applicable;

Relay Equipment: Not applicable;

Transfer Trip Equipment: Not applicable.



Demarcation Location: Maple Valley and SnoKing Substations.

7. SPECIAL PROTECTION SCHEME ASSOCIATED WITH THIS FACILITY

Not applicable.

8. OPERATING PROCEDURE
BPA DSO Nos. 348 and 349.

9. ADDITIONAL REFERENCE MATERIAL

(a) BPA Transmission Line One-Line Diagram: SnoKing-Maple Valley No. 2, Serial No. 273604;

(b) BPA Substation One-Line Diagram: Maple Valley drawing 115954, sheets 1 and 2 and SnoKing drawing 131883;

(c) BPA Meter Diagram: SCL, Seattle City Light #10349, Revised 1/25/12;

(d) BPA Plan and Profile Drawing: Maple Valley #130204 and SnoKing #144367;

(e) SCL Plan and Profile Drawing: T5062 and TE5157.

10. RELATED CONTRACT(S) AND EXPIRATION

(a) 14-03-79110 – Reciprocal Operating and Emergency Repair Agreement – 30 days' notice;

(b) 00TX-10277 – Settlement Agreement (SnoKing-Maple Valley No. 1 and 2 reinforcement and use) – February 28, 2003;

(c) 03TX-11394 –Maple Valley-SnoKing Transmission Line Agreement Extension – April 22, 2003;

(d) 98TX-10166 – Maple Valley-SnoKing 230 kV Transmission Line Capacity Restoration – December 31, 1999;

(e) 14-03-45242 – Transmission Agreement (facilities service to Public Utility District No. 1 of Snohomish County, Washington via SnoKing Substation) – April 16, 2013.

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EXHIBIT A
INTERCONNECTION DETAILS

TABLE 13
BOUNDARY EQUIPMENT

(PLACEHOLDER)

(W:\TMC\CT\City of Seattle, City Light Dept\Drafts\15835 SCL_Interconnection_Agmt_CLEAN_062813.doc)

EXHIBIT A
INTERCONNECTION DETAILS

TABLE 14
BOUNDARY-METALINE FALLS TAP 115 KV TRANSMISSION LINE

(PLACEHOLDER)

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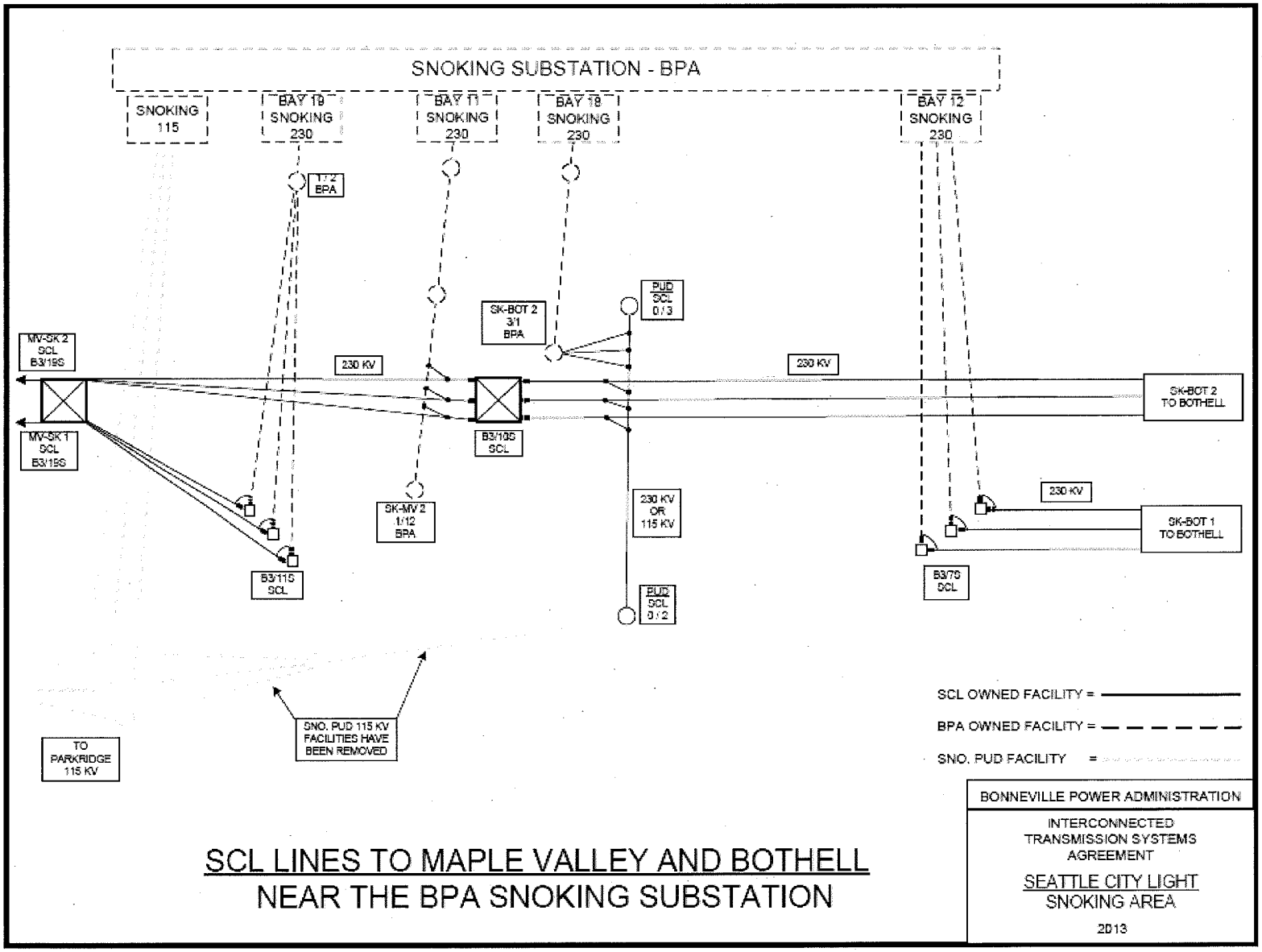
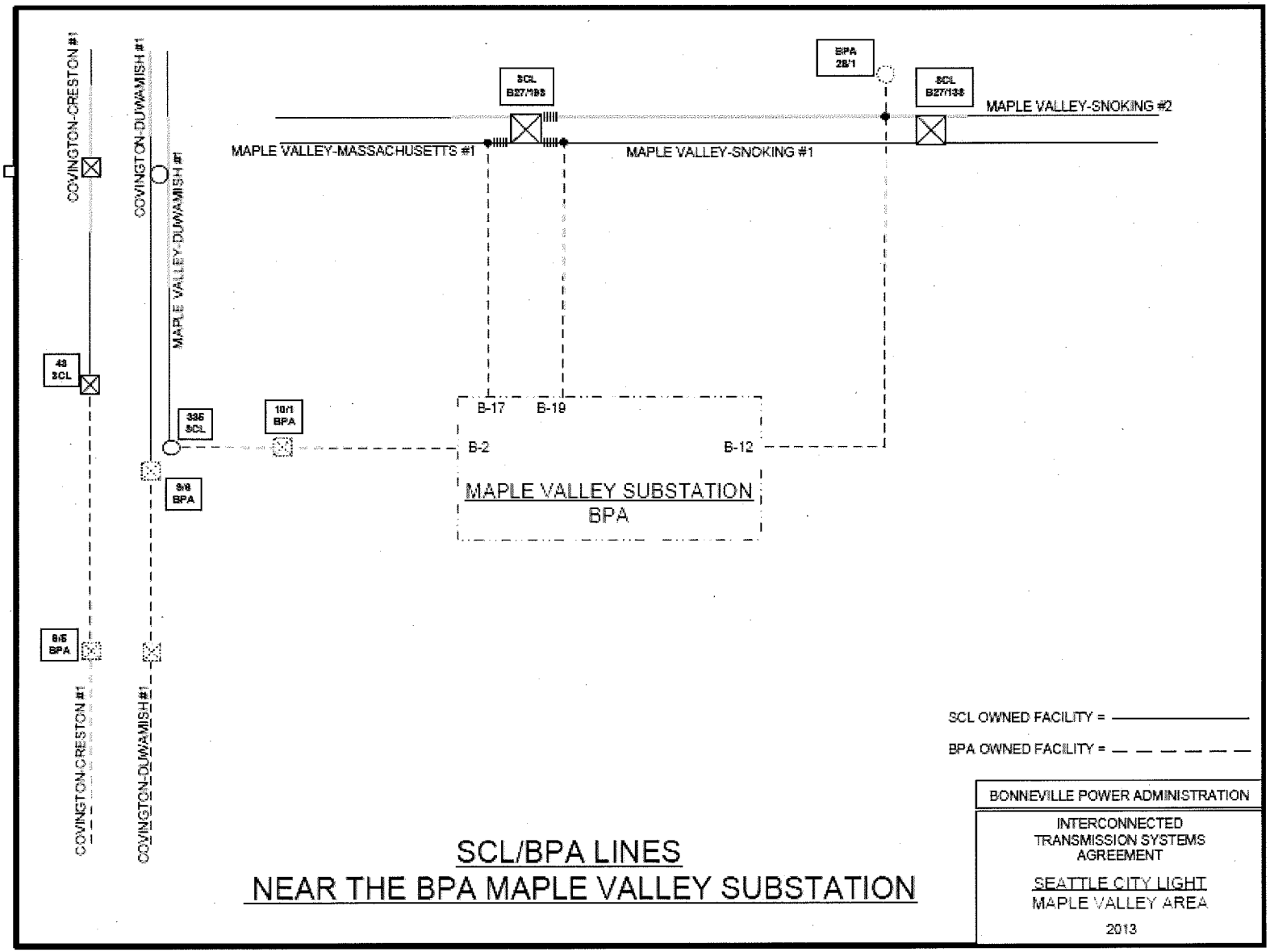
EXHIBIT B
DIAGRAMS

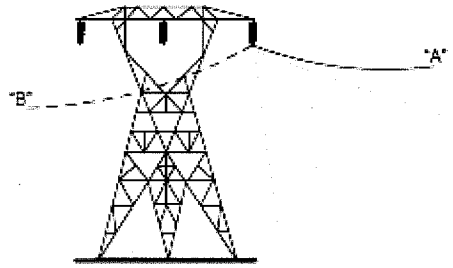
The diagrams in Exhibit B are generally associated with the specific ownership and maintenance descriptions in Exhibit A, Tables 1-12. The Exhibit B diagrams are not intended to replace or supersede the detailed descriptions in Exhibit A. It is intended that the Exhibit B diagrams will supplement the less detailed drawings included with the Exhibit A Tables.

The diagram on page 2 of this Exhibit B provides a visual representation of the location of the change in ownership of several BPA-SCL transmission lines located in a congested area near BPA's SnoKing Substation. The diagram on page 3 of this Exhibit B provides a visual representation of the location of the change in ownership of several BPA-SCL transmission lines located in a congested area near BPA's Maple Valley Substation.

The Tables in Exhibit A describe a change in ownership generally located at a transmission line structure or inside of a substation. Rather than describing or showing the specific equipment ownership at a structure or inside of a substation for each table in Exhibit A, the diagrams on pages 4-7 of this Exhibit B indicate the typical equipment ownership, as deemed by BPA and SCL for this Interconnection Agreement. The typical ownership diagrams on pages 4-7 of this Exhibit B will apply to the equipment at all change in ownership locations unless specifically stated otherwise in the Exhibit A description.


SNOKING SUBSTATION - BPA
SNOKING 115
BAY 19 SNOKING 230
BAY 11 SNOKING 230
BAY 18 SNOKING 230
BAY 12 SNOKING 230
1 / 2 BPA
SK-BOT 2 3/1 BPA
PUD SCL 0 / 3
MV-SK 2 SCL B3/19S
MV-SK 1 SCL B3/19S
230 KV
230 KV
B3/10S SCL
SK-BOT 2 TO BOTHELL
SK-MV 2 1/12 BPA
230 KV OR 115 KV
230 KV
SK-BOT 1 TO BOTHELL
B3/11S SCL
B3/7S SCL
PUD SCL 0 / 2
SNO. PUD 115 KV FACILITIES HAVE BEEN REMOVED
TO PARKRIDGE 115 KV
SCL OWNED FACILITY =
BPA OWNED FACILITY =
SNO. PUD FACILITY =
BONNEVILLE POWER ADMINISTRATION
INTERCONNECTED TRANSMISSION SYSTEMS AGREEMENT
SEATTLE CITY LIGHT
SNOKING AREA
2013
SCL LINES TO MAPLE VALLEY AND BOTHELL
NEAR THE BPA SNOKING SUBSTATION

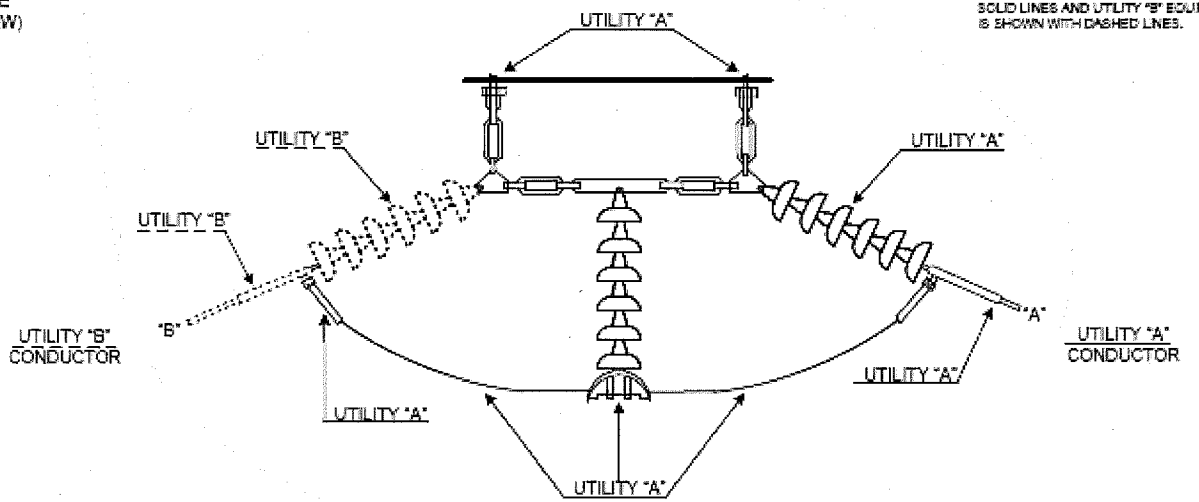

COVINGTON-CRESTON #1
COVINGTON-DUWAMISH #1
MAPLE VALLEY-DUWAMISH #1
SCL B27/185
BPA 2B/1
SCL B27/138
MAPLE VALLEY-SNOKING #2
MAPLE VALLEY-MASSACHUSETTS #1
MAPLE VALLEY-SNOKING #1
43 SCL
335 SCL
10/1 BPA
B-17
B-19
B-2
B-12
9/8 BPA
MAPLE VALLEY SUBSTATION
BPA
8/5 BPA
COVINGTON-CRESTON #1
COVINGTON-DUWAMISH #1
SCL OWNED FACILITY =
BPA OWNED FACILITY =
BONNEVILLE POWER ADMINISTRATION
INTERCONNECTED TRANSMISSION SYSTEMS AGREEMENT
SEATTLE CITY LIGHT
MAPLE VALLEY AREA
2013
SCL/BPA LINES
NEAR THE BPA MAPLE VALLEY SUBSTATION



UTILITY "A"
STRUCTURE
("IN-LINE" VIEW)

DESIGNATION OF TYPICAL OWNERSHIP OF EQUIPMENT & HARDWARE USED IN THIS AGREEMENT

1. UTILITY "A" OWNS THE TRANSMISSION LINE STRUCTURE.
2. UTILITY "A" OWNS THE TRANSMISSION LINE CONDUCTOR ON ONE SIDE OF THE STRUCTURE AND UTILITY "B" OWNS THE TRANSMISSION LINE CONDUCTOR ON THE OTHER SIDE OF THE STRUCTURE.
3. UTILITY "A" OWNS THE INSULATORS AND ASSOCIATED CONNECTING HARDWARE IN THE CENTER AND ON THE RIGHT SIDE OF THE STRUCTURE.
4. UTILITY "A" OWNS THE JUMPERS (CONDUCTOR) BETWEEN BOTH THE CENTER AND THE RIGHT INSULATORS AND BETWEEN THE CENTER AND LEFT INSULATORS.
5. UTILITY "B" OWNS THE INSULATORS AND ASSOCIATED CONNECTING HARDWARE ON THE LEFT SIDE OF THE STRUCTURE.
6. UTILITY "A" EQUIPMENT / HARDWARE IS SHOWN WITH SOLID LINES AND UTILITY "B" EQUIPMENT / HARDWARE IS SHOWN WITH DASHED LINES.



ROTATED VIEW OF ONE CONDUCTOR
FROM SIDE OF TRANSMISSION LINE STRUCTURE

TYPICAL DEAD-END STRUCTURE HARDWARE OWNERSHIP

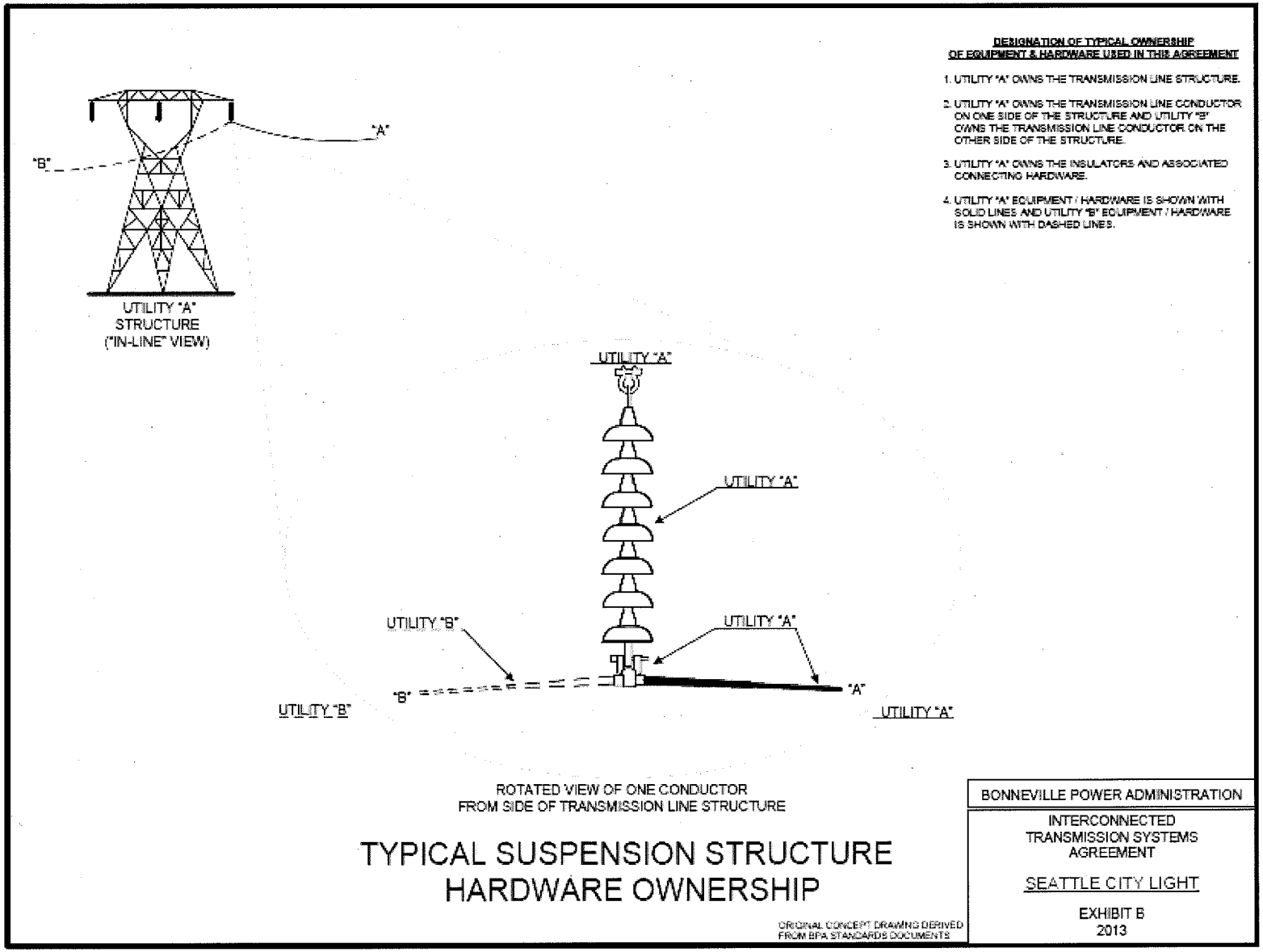
ORIGINAL CONCEPT DRAWING DERIVED FROM BPA STANDARDS DOCUMENTS

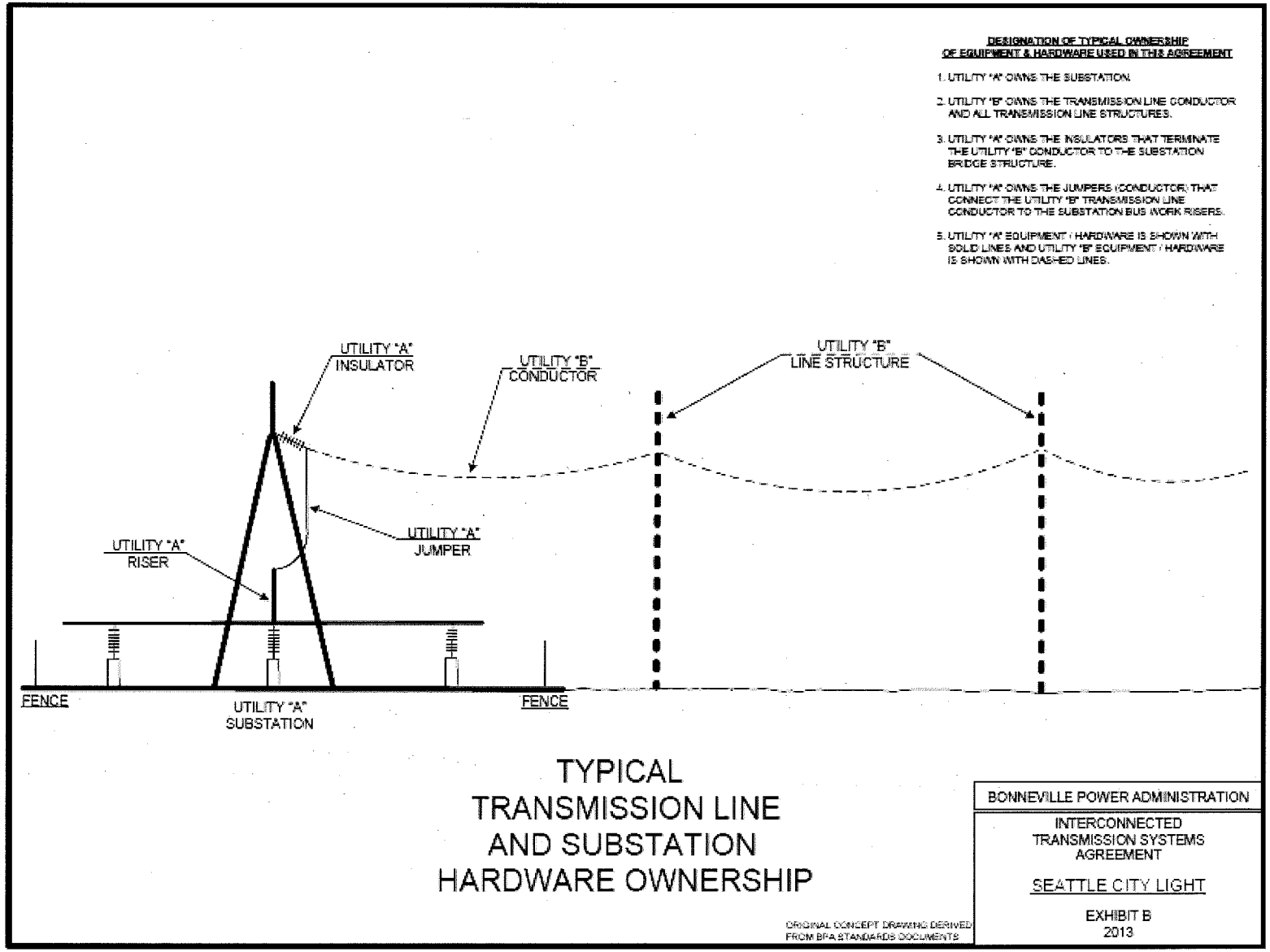
BONNEVILLE POWER ADMINISTRATION

INTERCONNECTED
TRANSMISSION SYSTEMS
AGREEMENT

SEATTLE CITY LIGHT

EXHIBIT B
2013


DESIGNATION OF TYPICAL OWNERSHIP
OF EQUIPMENT & HARDWARE USED IN THIS AGREEMENT
1. UTILITY "A" OWNS THE TRANSMISSION LINE STRUCTURE.
2. UTILITY "A" OWNS THE TRANSMISSION LINE CONDUCTOR ON ONE SIDE OF THE STRUCTURE AND UTILITY "B" OWNS THE TRANSMISSION LINE CONDUCTOR ON THE OTHER SIDE OF THE STRUCTURE.
3. UTILITY "A" OWNS THE INSULATORS AND ASSOCIATED CONNECTING HARDWARE.
4. UTILITY "A" EQUIPMENT / HARDWARE IS SHOWN WITH SOLID LINES AND UTILITY "B" EQUIPMENT / HARDWARE IS SHOWN WITH DASHED LINES.
"A"
"B"
UTILITY "A"
STRUCTURE
("IN-LINE" VIEW)
UTILITY "A"
UTILITY "A"
UTILITY "B"
UTILITY "A"
"B"
"A"
UTILITY "B"
UTILITY "A"
ROTATED VIEW OF ONE CONDUCTOR
FROM SIDE OF TRANSMISSION LINE STRUCTURE
TYPICAL SUSPENSION STRUCTURE
HARDWARE OWNERSHIP
ORIGINAL CONCEPT DRAWING DERIVED FROM BPA STANDARDS DOCUMENTS
BONNEVILLE POWER ADMINISTRATION
INTERCONNECTED
TRANSMISSION SYSTEMS
AGREEMENT
SEATTLE CITY LIGHT
EXHIBIT B
2013


DESIGNATION OF TYPICAL OWNERSHIP
OF EQUIPMENT & HARDWARE USED IN THIS AGREEMENT
1. UTILITY "A" OWNS THE SUBSTATION.
2. UTILITY "B" OWNS THE TRANSMISSION LINE CONDUCTOR AND ALL TRANSMISSION LINE STRUCTURES.
3. UTILITY "A" OWNS THE INSULATORS THAT TERMINATE THE UTILITY "B" CONDUCTOR TO THE SUBSTATION BRIDGE STRUCTURE.
4. UTILITY "A" OWNS THE JUMPERS (CONDUCTOR) THAT CONNECT THE UTILITY "B" TRANSMISSION LINE CONDUCTOR TO THE SUBSTATION BUS WORK RISERS.
5. UTILITY "A" EQUIPMENT / HARDWARE IS SHOWN WITH SOLID LINES AND UTILITY "B" EQUIPMENT / HARDWARE IS SHOWN WITH DASHED LINES.
UTILITY "A" INSULATOR
UTILITY "B" CONDUCTOR
UTILITY "B" LINE STRUCTURE
UTILITY "A" JUMPER
UTILITY "A" RISER
FENCE
UTILITY "A" SUBSTATION
FENCE
TYPICAL TRANSMISSION LINE AND SUBSTATION HARDWARE OWNERSHIP
ORIGINAL CONCEPT DRAWING DERIVED FROM BPA STANDARDS DOCUMENTS
BONNEVILLE POWER ADMINISTRATION
INTERCONNECTED TRANSMISSION SYSTEMS AGREEMENT
SEATTLE CITY LIGHT
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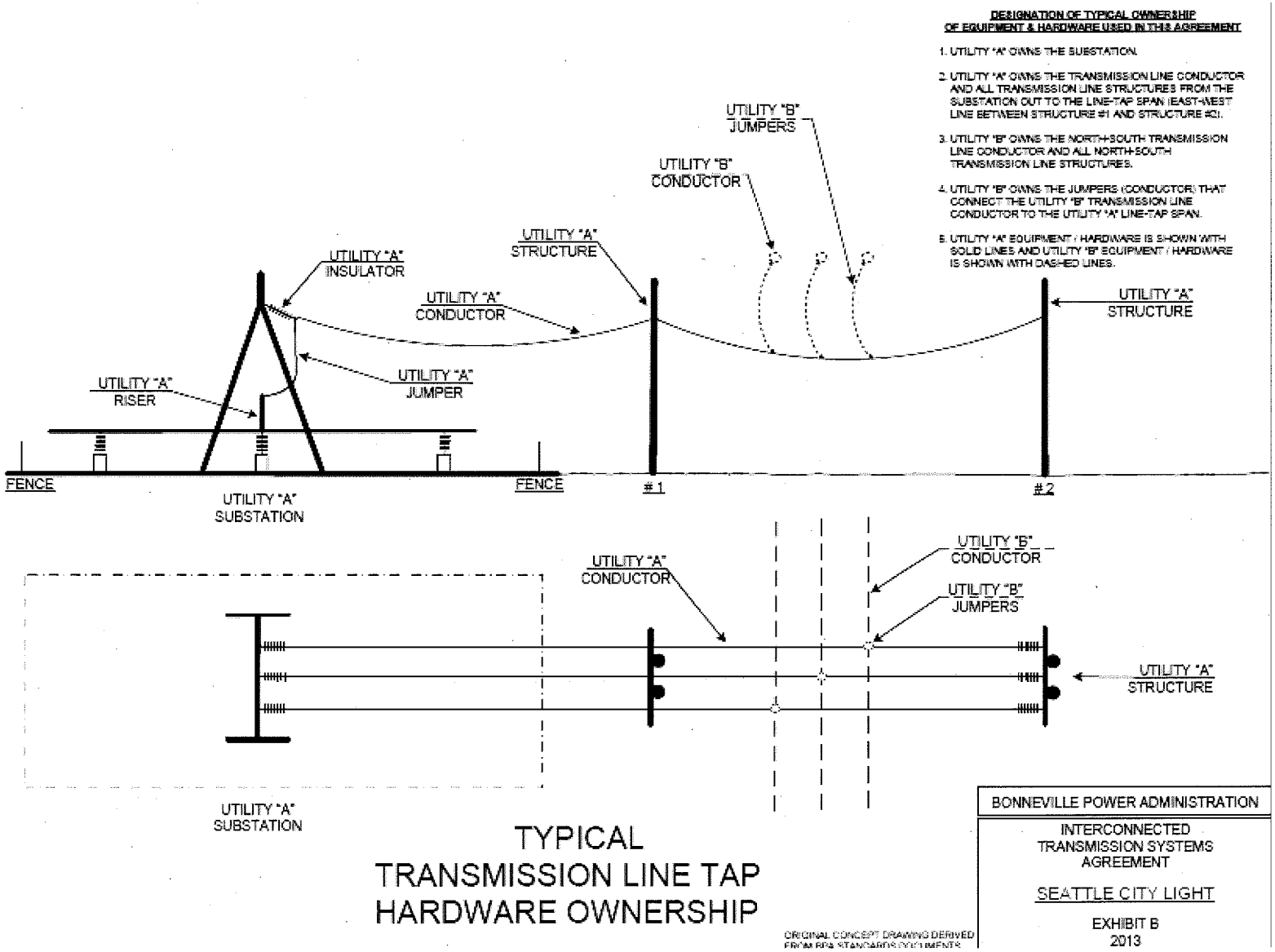
DESIGNATION OF TYPICAL OWNERSHIP
OF EQUIPMENT & HARDWARE USED IN THIS AGREEMENT
1. UTILITY "A" OWNS THE SUBSTATION.
2. UTILITY "A" OWNS THE TRANSMISSION LINE CONDUCTOR AND ALL TRANSMISSION LINE STRUCTURES FROM THE SUBSTATION OUT TO THE LINE-TAP SPAN (EAST-WEST LINE BETWEEN STRUCTURE #1 AND STRUCTURE #2).
3. UTILITY "B" OWNS THE NORTH-SOUTH TRANSMISSION LINE CONDUCTOR AND ALL NORTH-SOUTH TRANSMISSION LINE STRUCTURES.
4. UTILITY "B" OWNS THE JUMPERS (CONDUCTOR) THAT CONNECT THE UTILITY "B" TRANSMISSION LINE CONDUCTOR TO THE UTILITY "A" LINE-TAP SPAN.
5. UTILITY "A" EQUIPMENT / HARDWARE IS SHOWN WITH SOLID LINES AND UTILITY "B" EQUIPMENT / HARDWARE IS SHOWN WITH DASHED LINES.
UTILITY "B" JUMPERS
UTILITY "B" CONDUCTOR
UTILITY "A" STRUCTURE
UTILITY "A" INSULATOR
UTILITY "A" CONDUCTOR
UTILITY "A" STRUCTURE
UTILITY "A" RISER
UTILITY "A" JUMPER
FENCE
FENCE
#1
#2
UTILITY "A" SUBSTATION
UTILITY "A" CONDUCTOR
UTILITY "B" CONDUCTOR
UTILITY "B" JUMPERS
UTILITY "A" STRUCTURE
UTILITY "A" SUBSTATION
TYPICAL
TRANSMISSION LINE TAP
HARDWARE OWNERSHIP
ORIGINAL CONCEPT DRAWING DERIVED FROM BPA STANDARDS DOCUMENTS
BONNEVILLE POWER ADMINISTRATION
INTERCONNECTED TRANSMISSION SYSTEMS AGREEMENT
SEATTLE CITY LIGHT
EXHIBIT B
2013

EXHIBIT C
NOTICES

1. NOTICES RELATING TO PROVISIONS OF THE AGREEMENT

Any notice required under this Agreement shall be in writing and shall be delivered in person or with proof of receipt by a nationally recognized delivery service or by United States Certified Mail. Notices are effective when received. Either Party may change the name or address for receipt of notice by providing notice of such change. The Parties shall deliver notices to the following person and address:

If to the Customer:

Attention: Director, Energy Delivery
Engineering Division
Phone: (206) 684-3556
Fax: (206) 615-0615

If by First Class Mail:
City of Seattle, City Light Department
PO Box 34023
Seattle, WA 98124-4023

If by Overnight Delivery Service:
City of Seattle, City Light Department
700 Fifth Avenue, Suite 3200
Seattle, WA 98104-5031

If to BPA:

Attention: Transmission Account Executive for City of Seattle, City Light Department – TSE/TPP-2
Phone: (360) 619-6016
Fax: (360) 619-6940

If by First Class Mail:
Bonneville Power Administration
P.O. Box 61409
Vancouver, WA 98666-1409

If by Overnight Delivery Service:
Bonneville Power Administration – TSE/TPP-2
7500 NE 41st Street, Suite 130
Vancouver, WA 98662

2. NOTICES OF AN OPERATING NATURE

The Customer shall provide BPA with the name (or title), address, voice phone number and Fax number for routine operational activities associated with the interconnection and operation of the facilities described in this Agreement. Such operational activities shall include, but are not limited to outage coordination, generation dispatch and system dispatch. Any notice, request or demand of an operating nature between BPA and the Customer shall be made orally or in writing, by facsimile, by First Class mail or overnight delivery service.

If to the Customer:

City of Seattle, City Light Department
614 NW 46th St
Seattle, WA 98107
Attention: Director, System Operations
Phone: (206) 706-0240
Fax: (206) 706-0145

If to BPA:

Primary Contact:
Dittmer Dispatch:
Phone: (360) 418-2281, (360) 418-2280
or (503) 283-8501
Fax: (360) 418-2938

Secondary Contact:
Munro Dispatch:
Phone: (509) 465-1820
or (888) 835-9590
Fax: (509) 466-2444

Outage Coordination:
Dittmer Control Center Outage Office
Phone: (360) 418-2274
or (360) 418-2275
Fax: (360) 418-2214

Form revised: December 12, 2012

FISCAL NOTE FOR NON-CAPITAL PROJECTS

Department:	Contact Person/Phone:	CBO Analyst/Phone:
City Light	Tuan Tran/684-3556	Anthony Colello/684-5292

Legislation Title:
AN ORDINANCE relating to the City Light Department; authorizing execution of the Interconnected Transmission Systems Agreement with Bonneville Power Administration to consolidate, clarify and document the details pertaining to the ownership and operation of the existing physical interconnections between the transmission systems of the two parties.

Summary of the Legislation:
This legislation would authorize City Light to execute an agreement with the Bonneville Power Administration ("BPA") to consolidate, clarify and document the details pertaining to the ownership and operation of the existing physical interconnections between the transmission systems of the two parties.

Background:
During the past two years, staff members of several divisions of City Light (Energy Delivery Engineering, Energy Delivery Operations, System Operations, NERC Compliance, Power Production, Environmental Affairs, Customer Care and Power Management) have engaged in discussions with representatives of BPA Transmission Services to consolidate, clarify and document the details pertaining to the interconnections between the transmission systems of the two parties. City Light and BPA are currently interconnected at 19 locations, 12 of which are in the greater Puget Sound area. These interconnections between BPA and City Light were built over a period of more than 50 years pursuant to construction and operation agreements that are either obsolete, lacking details, or have expired. Both City Light and BPA staffs felt it would be mutually beneficial to gather and enhance detailed documentation about these interconnections in order to clearly identify where changes of ownership occur and to clarify line maintenance and vegetation management responsibilities.

__X__ This legislation does not have any financial implications.

____ This legislation has financial implications.

Other Implications:

a) **Does the legislation have indirect financial implications, or long-term implications?**
No.

b) What is the financial cost of not implementing the legislation?
There is a continuing undetermined cost associated with City Light operating the existing interconnections with BPA without clear documentation about where the point of ownership changes. Without clarity about which party has maintenance responsibility, it is possible that City Light or BPA may fail to perform maintenance or repairs for which it is legally obligated. Failure to maintain sound transmission system interconnections could compromise reliability. At the very least, in the absence of clear, consolidated documentation, it takes extra time for field staff to determine maintenance and repair responsibilities.

c) Does this legislation affect any departments besides the originating department?
No.

d) What are the possible alternatives to the legislation that could achieve the same or similar objectives?
None.

e) Is a public hearing required for this legislation?
No.

f) Is publication of notice with *The Daily Journal of Commerce* and/or *The Seattle Times* required for this legislation?
No.

g) Does this legislation affect a piece of property?
No.

h) Other Issues: None.

List attachments to the fiscal note below:
None.

City of Seattle
Office of the Mayor

October 29, 2013

Honorable Sally J. Clark
President
Seattle City Council
City Hall, 2nd Floor

Dear Council President Clark:

I am pleased to transmit the attached proposed Council Bill that authorizes the City Light Department (City Light) to execute an Interconnected Transmission Systems Agreement with Bonneville Power Administration (BPA). The agreement will consolidate, clarify and document the details pertaining to ownership and operation of the existing physical interconnections between the transmission systems of the two parties.

The transmission systems of City Light and BPA have been interconnected for many decades, with the number of interconnection locations increasing over time. Many of the original agreements that the parties entered into in order to build these interconnections have expired, while the remaining agreements lack details now considered necessary in electric utility contracts to sufficiently describe the exact physical interconnections, responsibilities and business practices of the parties. To address these concerns, City Light and BPA agreed it would be mutually beneficial to gather and enhance the details pertaining to these interconnections, as well as the related business practices that govern safe and reliable operation of interconnected transmission systems. The proposed agreement will serve these purposes.

By executing the Interconnected Transmission Systems Agreement, City Light will clarify its responsibilities with respect to transmission system ownership, operation and maintenance, which will support its ability to provide cost-effective and reliable customer service. Thank you for your consideration of this legislation. Should you have questions, please contact Tuan Tran, Director of Energy Delivery Engineering, at (206) 684-3556.

Sincerely,

Michael McGinn
Mayor of Seattle

cc: Honorable Members of the Seattle City Council

Michael McGinn, Mayor
Office of the Mayor
600 Fourth Avenue, 7th Floor
PO Box 94749
Seattle, WA 98124-4749

Tel (206) 684-4000
Fax (206) 684-5360
TDD (206) 615-0476
mike.mcginn@seattle.gov