

**EXH. GEM-1T
DOCKETS UE-170033/UG-170034
2017 PSE GENERAL RATE CASE
WITNESS: GEORGE E. MARSHALL**

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

**Docket UE-170033
Docket UG-170034**

**PREFILED REBUTTAL TESTIMONY
(NONCONFIDENTIAL) OF
GEORGE E. MARSHALL
ON BEHALF OF PUGET SOUND ENERGY**

AUGUST 9, 2017

PUGET SOUND ENERGY

**PREFILED REBUTTAL TESTIMONY
(NONCONFIDENTIAL) OF
GEORGE E. MARSHALL**

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No. 014

1 **PUGET SOUND ENERGY**

2 **PREFILED REBUTTAL TESTIMONY**
3 **(NONCONFIDENTIAL) OF**
4 **GEORGE E. MARSHALL**

5 **I. INTRODUCTION**

6 **Q. Please state your name, business address, and position with Puget Sound**
7 **Energy.**

8 A. My name is George E. Marshall. My business address is 10885 NE Fourth Street,
9 P.O. Box 97034, Bellevue, WA 98009-9734. I am the Manager Transmission
10 Policy and Contracts for Puget Sound Energy (“PSE”).

11 **Q. Have you prepared an exhibit describing your education, relevant**
12 **employment experience, and other professional qualifications?**

13 A. Yes, I have. It is Exh. GEM-2.

14 **Q. What is the purpose of your rebuttal testimony?**

15 A. My rebuttal testimony presents the following:

- 16 (i) the premature nature of any request for determination as to how
17 much transfer capability would be available on the Colstrip
18 Transmission System for new generation following closure of
19 Colstrip Units 1 & 2;
- 20 (ii) reasons why the transition plan proposed by NW Energy Coalition,
21 Renewable Northwest, and Natural Resources Defense Council
22 (the “NWECE Parties”) is neither necessary nor appropriate;
- 23 (iii) the fact that PSE will continue to use its share of Colstrip
24 Transmission System transfer capability to transmit output from

1 PSE's share of Colstrip Units 3 & 4 after closure of Colstrip
2 Units 1 & 2; and

- 3 (iv) PSE is not missing an important opportunity to address
4 transmission issues that could provide more options to cost-
5 effectively meet PSE's renewable portfolio standard obligations,
6 serve PSE's voluntary renewable energy program customer
7 demands, or contribute to state climate goals.

8 **II. IT IS PREMATURE TO MAKE ANY DETERMINATION AS**
9 **TO HOW MUCH TRANSFER CAPABILITY WOULD BE**
10 **AVAILABLE ON THE COLSTRIP TRANSMISSION SYSTEM**
11 **FOR NEW GENERATION FOLLOWING CLOSURE OF**
12 **COLSTRIP UNITS 1 & 2**

13 **Q. Please describe PSE's general understanding of the request of the NVEC**
14 **Parties for a "transition plan" for its share of the Colstrip Transmission**
15 **System.**

16 A. The NVEC Parties propose that the Commission require PSE to develop a
17 "transition plan" for its share of the Colstrip Transmission System to ensure that
18 such share "remains fully utilized after the retirement of Colstrip Units 1 and 2,
19 and to avoid an unnecessary cost burden on PSE customers...."¹ According to the
20 NVEC Parties, this "transition plan" should "resolve the path rating questions,
21 identify barriers to new generators using the CTS, identify the study work
22 necessary to address those barriers and begin as much of that study work as soon
23 as practicable."² The NVEC Parties would require PSE to "coordinate with

¹ Yourkowski, Exh. CBY-1T at 16:19-21.

² *Id.* at 16:21 – 17:1.

1 Commission staff, WECC, Path operators, ColumbiaGrid, NTTG, and other
2 stakeholders in a public process to scope and vet this transition plan.”³

3 A key element in evaluation of barriers to new generators using the Colstrip
4 Transmission System is the evaluation of how much transfer capability would be
5 available on the Colstrip Transmission System for new generation following
6 closure of Colstrip Units 1 & 2.

7 **Q. Does PSE believe that the transfer capability of the existing Colstrip**
8 **Transmission System would be reduced following closure of Colstrip**
9 **Units 1 & 2 and in the absence of new resources on the Colstrip**
10 **Transmission System?**

11 A. With the closure of Colstrip Units 1 & 2 and in the absence of new resources that
12 affect flows on the existing Colstrip Transmission System, PSE believes it is
13 likely that the transfer capability of the existing Colstrip Transmission System
14 would be reduced. The Colstrip Transmission System operator has described the
15 impact on the system of closure of Colstrip Units 1 & 2, using a garden hose as an
16 analogy:

17 **Total Transfer Capability, Path Capacity**

18 The capacity of a line does not decrease when a resource is
19 removed much like a garden hose’s capacity does not disappear
20 when the water spigot is shut off. That being said, it is possible that
21 the path rating/transmission capability might have to be reduced
22 due to resource limitations. This does not mean the capacity is not

³ *Id.* at 17:1-3.

1 there, just that the system is not physically capable of reaching
2 those types of flows with the reduced amount of resources
3 available. In other words, without Colstrip generation to “push”
4 through the garden hose, transmission capability out of Montana
5 will also reduce – nearly at a one-for-one basis to the amount of
6 generation reduction.⁴

7 In other words, the transfer capability of the existing Colstrip Transmission
8 System is limited by, among other things, (i) the physical attributes of the
9 transmission system and (ii) the generation that provides the pressure (or “push”)
10 of the electricity. Closure of Colstrip Units 1 & 2 would result in a reduction of
11 the pressure (or “push”) of the electricity and would likely result in a reduction in
12 the transfer capability of the existing Colstrip Transmission System.

13 PSE is in discussions with the Colstrip Transmission System operator
14 (i.e., NorthWestern Energy (“NorthWestern”)) and other Colstrip Transmission
15 System owners⁵ and is encouraging operational studies of the effect of closure of
16 Colstrip Units 1 & 2 on the transfer capability of the existing Colstrip
17 Transmission System.

⁴ Marshall, Exh. GEM-3 at 9.

⁵ The Colstrip Transmission System owners are the parties to the Colstrip Transmission Agreement and are Avista Corporation (“Avista”), NorthWestern, PacifiCorp, Portland General Electric Company, and PSE. *See* Roberts, Exh. RJR-7, for a copy of the Colstrip Transmission Agreement.

1 **Q. Can the interconnection of new resources to the Colstrip Transmission**
2 **System increase the transfer capability of such system by increasing the**
3 **pressure (or “push”) of the electricity?**

4 A. Yes. New resources can increase the transfer capability of the Colstrip
5 Transmission System by increasing the pressure (or “push”) of the electricity.
6 Any such increase in the transfer capability of the Colstrip Transmission System
7 would depend on the type of new resource, its size and other characteristics, and
8 its location. As discussed below, the addition of new generation would require
9 modifications to the Colstrip Transmission System.

10 **Q. Is it practicable to determine, at this point, how much transfer capability**
11 **would be available on a modified Colstrip Transmission System for *new***
12 **generation following closure of Colstrip Units 1 & 2?**

13 A. No. It is impracticable to determine, at this point, how much transfer capability
14 would be available on a modified Colstrip Transmission System for *new*
15 generation following closure of Colstrip Units 1 & 2. The existing Colstrip
16 Transmission System was specifically designed and engineered to transmit coal
17 generation from Colstrip Units 1 through 4. Introduction of *new* resources would
18 require modifications to the existing Colstrip Transmission System. Those
19 modifications would depend on the type of *new* resource, its size and other
20 characteristics, its location, and the type of interconnection and transmission
21 service requested for the *new* resource. The transfer capability available on the
22 Colstrip Transmission System would be a function of, among other things, the

1 type of *new* resource, its size and other characteristics, its location, and the
2 modifications made to the system to accommodate the *new* resource.

3 **Q. How would modifications to the existing Colstrip Transmission System be**
4 **determined for new generation?**

5 A. The Colstrip Transmission System Operator (i.e., NorthWestern) would conduct
6 transmission and interconnection studies (on behalf of and in consultation with
7 the Colstrip Transmission System owners) in response to requests for
8 interconnection and transmission service on the Colstrip Transmission System for
9 new generation. These studies would be based on the specific location and the
10 size and other characteristics of the new generator and the type of interconnection
11 and transmission service requested. These studies would determine the
12 interconnection and transmission impacts, the modifications needed, and the
13 estimated costs of such modifications to the transmission system. (The cost of
14 modifications needed as a result of such new resource will, again, depend on the
15 type of resource, its size and other characteristics, and its location.)

16 **Q. Who pays for the costs of interconnection and transmission studies?**

17 A. Under the Open Access Transmission Tariff (“OATT”) of PSE and each of the
18 other owners of the Colstrip Transmission System, the requesting interconnection
19 customer would pay the costs of the interconnection studies, and the requesting
20 transmission customer would pay the costs of the transmission studies.

1 **Q. Have generic transmission studies based on closure of coal generation plants**
2 **and hypothetical new generation in Montana been performed?**

3 A. Yes. The following are generic studies based, in part, on closure of coal
4 generation plants and hypothetical new generation in Montana:

- 5 (i) NorthWestern’s “EPA 111 D Consideration Retirement of
6 CS units 1&2” dated April 2015;
- 7 (ii) NorthWestern’s “EPA 111-D Clean Power Plan
8 Consideration Study: Retirement of All Coal-Fired
9 Generation in Montana” dated November 2015;
- 10 (iii) Northern Tier Transmission Group’s Draft “NTTG Study
11 Report for the 2016-2017 Public Policy Consideration
12 Scenario” dated May 8, 2017; and
- 13 (iv) ColumbiaGrid’s “Economic Planning Study Impacts from
14 Coal Shutdown Final Study Report” dated June 18, 2015.

15 Please see the Second Exhibit to the Prefiled Rebuttal Testimony of George E.
16 Marshall, Exh. GEM-3, for PSE’s Response to NWEC-RNW-NRDC Data
17 Request No. 014, which provided copies of each generic study identified above.

18 Such studies can provide useful information regarding the potential economics
19 and impacts of generic generation, but *they cannot substitute for interconnection*
20 *and transmission studies of specific new generation* described above that evaluate
21 transfer capability and reliability in light of such new generation.

1 **Q. Are the NWEK Parties correct in asserting that PSE assumes that no other**
2 **generators in Montana may want to utilize PSE’s Colstrip Transmission**
3 **System rights?**

4 A. No. The NWEK Parties incorrectly assert that PSE assumes that no other
5 generators in Montana may want to utilize PSE’s Colstrip Transmission System
6 rights. In PSE’s Response to NWEK-RNW-NRDC Data Request No. 003, PSE
7 states that “PSE currently has no basis for assuming that any *particular* Montana-
8 based generation resource or other generation resource would use PSE’s
9 transmission capacity on the [Colstrip Transmission System] or its transmission
10 rights under the [Montana Intertie Agreement].”⁶ This statement does not mean—
11 contrary to the suggestion of NWEK Parties—that PSE “had no basis for
12 assuming that any other generator in Montana may want to utilize the
13 transmission associated with Colstrip Units 1 and 2.”⁷ PSE is aware of interest in
14 developing resources in Montana. However, in the absence of a transmission
15 service request for any new resource, there is no basis for PSE to assume that *any*
16 *particular* new resource will utilize the Colstrip Transmission System.

⁶ Yourkowski, Exh. CBY-3C at 2 (emphasis added).

⁷ Yourkowski, Exh. CBY-1T at 7:14-16.

1 **III. THE TRANSITION PLAN PROPOSED BY THE NVEC**
2 **PARTIES IS NEITHER NECESSARY NOR APPROPRIATE**

3 **Q. Is requiring a “transition plan” as proposed by the NVEC Parties necessary**
4 **and appropriate?**

5 A. No. The “transition plan” proposed by the NVEC Parties is neither necessary nor
6 appropriate. The “transition plan” proposed by the NVEC Parties fails to
7 recognize the processes and procedures that govern issues identified in the
8 testimony of the NVEC Parties, such as PSE’s OATT and related requirements of
9 the Federal Energy Regulatory Commission regarding offering and providing
10 interconnection and transmission service.

11 The requested “transition plan” would also require the performance of speculative
12 studies based on hypothetical new generation resources that would fail to answer
13 transmission capability questions for new generation that can only be answered
14 when specific, concrete new generation resources are identified.

1 **A. The NWECE Parties' Proposal for a Transition Plan Fails to Recognize**
2 **Existing FERC Requirements and Would Inappropriately Shift Costs**
3 **of Studies Away from Interconnection and Transmission Customers**
4 **that Request Service on the Colstrip Transmission System**

5 **Q. Does the proposal of the NWECE Parties to require PSE to develop a**
6 **transition plan for its share of unused transfer capability of the Colstrip**
7 **Transmission System recognize applicable requirements of the Federal**
8 **Energy Regulatory Commission with respect to such transfer capability?**

9 A. No. The NWECE Parties' proposal to require PSE to develop a transition plan for
10 use of PSE's share of unused transfer capability of the Colstrip Transmission
11 System by new generators is summarized in the following quote:

12 In order to ensure that PSE's share of the [Colstrip Transmission
13 System] remains fully utilized after the retirement of Colstrip
14 Units 1 and 2, and to avoid an unnecessary cost burden on PSE
15 customers, PSE should be required to develop a transition plan for
16 its share of the [Colstrip Transmission System] as soon as possible.
17 This transition plan should resolve the path rating questions,
18 identify barriers to new generators using the [Colstrip
19 Transmission System], identify the study work necessary to
20 address those barriers and begin as much of that study work as
21 soon as practicable. PSE should coordinate with Commission staff,
22 WECC, Path 8 operators, ColumbiaGrid, [Northern Tier
23 Transmission Group], and other stakeholders in a public process to
24 scope and vet this transition plan.⁸

25 This proposal of the NWECE Parties to require PSE to develop a transition plan for
26 use of PSE's share of unused transfer capability of the Colstrip Transmission
27 System by new generators fails to recognize that access to PSE's Colstrip

⁸ Yourkowski, Exh. CBY-1T at 16:18 – 17:3.

1 Transmission System transfer capability by third-party customers is governed by
2 FERC requirements and PSE's OATT, which is on file with FERC.

3 FERC requirements govern the processes for responding to third party requests
4 for interconnection to and transmission service on the Colstrip Transmission
5 System. The FERC requirements specify the studies to be performed in response
6 to such requests and include timelines and cost responsibility for such studies. In
7 general, the party requesting transmission interconnection and/or service is
8 responsible for the payment of the costs of such studies.

9 By contrast, the proposal of the NWECA Parties would require PSE (or other
10 Colstrip Transmission System owners), presumably without reimbursement of
11 costs by any interconnection or transmission customer, to undertake studies to
12 "resolve the path rating questions, identify barriers to new generators using the
13 CTS, [and] identify the study work necessary to address those barriers".⁹ This
14 proposal would represent an inappropriate shift of costs away from third party
15 customers requesting interconnection and transmission on the Colstrip
16 Transmission System and onto PSE or other Colstrip Transmission System
17 owners. Consistent with FERC requirements, barriers to a specific generating
18 project for which interconnection or transmission is requested are evaluated in the
19 interconnection or transmission study process.

⁹ Yourkowski, Exh. CBY-1T at 16:22-23.

1 **Q. Have PSE and the other owners of the Colstrip Transmission System taken**
2 **steps to clarify the availability of the Colstrip Transmission System for**
3 **generation sourced from resources other than the Colstrip**
4 **Units 1 through 4?**

5 A Yes. PSE and the other owners of the Colstrip Transmission System have taken
6 steps to clarify the availability of the Colstrip Transmission System for generation
7 sourced from resources other than the Colstrip Units 1 through 4.

8 The original Colstrip Transmission Agreement was executed in 1981 and predated
9 many of the modern FERC orders, such as Order Nos. 888, 890, and 2003, that
10 shape today's electric transmission industry. Therefore, the original Colstrip
11 Transmission Agreement lacked details about the processes by which the Colstrip
12 Transmission System owners would (i) address transmission and interconnection
13 requests to the Colstrip Transmission System, (ii) make improvements to the
14 Colstrip Transmission System necessary to satisfy interconnection requests and
15 transmission service requests that exceed existing capacity, and (iii) make elective
16 improvements to the Colstrip Transmission System (not related to transmission
17 service or interconnection requests).

18 Over the past decade, the Colstrip Transmission System owners developed
19 changes to the Agreement, which are reflected in the current Colstrip
20 Transmission Agreement, to address these processes. The development of
21 procedures that are consistent with FERC requirements for requesting and
22 obtaining interconnection to and transmission service over a transmission facility

1 (such as the Colstrip Transmission System) that is owned and relied upon by five
2 FERC-jurisdictional investor-owned utilities is complex—but important in
3 clarifying the availability of the Colstrip Transmission System for other
4 generation. These procedures are reflected in Appendix A (Colstrip Transmission
5 System – Transmission Service and Interconnection Processes and Procedures) to
6 the Colstrip Transmission Agreement and were accepted for filing by FERC in
7 2013.¹⁰

8 **B. At This Time, It Would be Speculative to Re-Rate WECC Path 8 to**
9 **Reflect New Generation Resources in Montana**

10 **Q. Please describe Path 8 (Montana to Northwest) and its transfer path rating.**

11 A. The Western Electric Coordinating Council (“WECC”) transfer path rating for
12 Path 8 (Montana to Northwest) was developed through WECC, under the
13 sponsorship of NorthWestern, Bonneville Power Administration (“BPA”), and
14 Avista. The facilities included in Path 8 are tie lines between NorthWestern and
15 BPA, plus tie lines between NorthWestern and Avista. These facilities include the
16 Colstrip Transmission System.

17 Under the WECC Project Coordination, Path Rating and Progress Report
18 Processes,¹¹ re-rating of Path 8 may be appropriate for the period after closure of
19 Colstrip Units 1 & 2. Key participants in such WECC processes include WECC

¹⁰ See Roberts, Exh. RJR-9 at 58-109.

¹¹ WECC, *Project Coordination, Path Rating and Progress Report Processes*, available at https://www.wecc.biz/Reliability/Project_Coordination_Path_Rating_and_Progress_Report_Processes_20170316.pdf.

1 and Path 8 sponsors (which include Avista, BPA, and NorthWestern). PSE would
2 work with others within applicable WECC processes in connection with any such
3 re-rating, if such a re-rating is appropriate.

4 Any Path 8 re-rating prior to the identification of specific new generation would
5 not reflect that new generation. Any new generation after a Path 8 re-rating could
6 well require a subsequent re-rating. It is speculative, at this time, to determine
7 how the rating of WECC Path 8 would be affected by new generation in Montana
8 following closure of Colstrip Units 1 & 2. This is because that rating will be
9 affected by the type of new resource, its size and other characteristics, and its
10 location.

11 **IV. AFTER COLSTRIP UNITS 1 & 2 CLOSE, PSE WILL**
12 **CONTINUE TO USE ITS SHARE OF COLSTRIP TRANSMISSION**
13 **SYSTEM TRANSFER CAPABILITY TO TRANSMIT OUTPUT**
14 **FROM PSE'S SHARE OF COLSTRIP UNITS 3 & 4**

15 **Q. After Colstrip Units 1 & 2 close, will PSE continue to use its share of Colstrip**
16 **Transmission System transfer capability to transmit output from PSE's**
17 **share of Colstrip Units 3 & 4?**

18 A. Yes. After Colstrip Units 1 & 2 close, PSE will continue to use its share of
19 Colstrip Transmission System transfer capability to transmit output from PSE's
20 share of Colstrip Units 3 & 4. Under the Colstrip Transmission Agreement, each
21 Colstrip Transmission System owner is entitled to its share of Colstrip
22 Transmission System transfer capability and is obligated to pay its share of
23 Colstrip Transmission System costs, even after the closure of

1 Colstrip Units 1 & 2. This helps ensure the continued operation of the Colstrip
2 Transmission System, a facility owned as tenancy in common, to transmit
3 generation from Colstrip Units 3 & 4.

4 **Q. Would the closure of Colstrip Units 1 & 2 render Colstrip Transmission**
5 **System facilities surplus?**

6 A. No. Closure of Colstrip Units 1 & 2 is not expected to render any Colstrip
7 Transmission System facilities surplus and should not be expected to reduce the
8 costs of operating the Colstrip Transmission System. Furthermore, it would make
9 no sense to “downsize” Colstrip Transmission System facilities as a result of such
10 closure because (i) any excess transfer capability as a result of such a closure
11 might be usable for other purposes and (ii) replacing existing Colstrip
12 Transmission System conductors or other facilities with smaller facilities would
13 be uneconomic at best. Further, PSE’s share of Colstrip Transmission System
14 transfer capability is not divisible under the Colstrip Transmission Agreement
15 between transfer capability used for Colstrip Units 1 & 2 and transfer capability
16 used for Colstrip Units 3 & 4.

17 **Q. Are the NWECA Parties correct that all of PSE’s share of the Colstrip**
18 **Transmission System will not remain “used and useful” by Colstrip**
19 **Units 3 & 4 after closure of Colstrip Units 1 & 2?**

20 A. No. The NWECA Parties incorrectly suggest that all of PSE’s share of the Colstrip
21 Transmission System will not remain “used and useful” by Colstrip Units 3 & 4.
22 For example, the NWECA Parties erroneously suggest that all of PSE’s Colstrip

1 Transmission System transfer capability must be used to transmit generation from
2 Colstrip Units 3 & 4 for PSE’s share of the Colstrip Transmission System
3 facilities to be considered used and useful.¹²

4 The argument of the NWECC Parties misses the point and ignores the fact that,
5 after the closure of Colstrip Units 1 & 2, Colstrip Transmission System facilities
6 will continue to operate under the Colstrip Transmission Agreement and provide
7 transmission transfer capability for PSE and the other four owners of the Colstrip
8 Transmission System, as described above. Indeed, PSE will continue to use
9 Colstrip Transmission System transfer capability for the transmission of
10 generation from Colstrip Units 3 & 4—even if PSE does not use all of PSE’s
11 transfer capability for such use. Large transmission projects, such as the Colstrip
12 Transmission System, are “lumpy” and cannot be expected to have a transfer
13 capability that matches the need at any given time, particularly if the need varies
14 over time. In any event, it would be premature for the Commission, in this
15 proceeding, to predetermine prudence of PSE’s actions with respect to PSE’s
16 costs under the Colstrip Transmission Agreement, the Montana Intertie
17 Agreement,¹³ or BPA’s Townsend to Garrison (TGT) rate after closure of Colstrip
18 Units 1 & 2.

¹² See Yourkowski, Exh. CBY-1T at 5:18 – 7:4.

¹³ See Roberts, Exh. RJR-9, for a copy of the Montana Intertie Agreement.

1 For the above reasons, it would be inappropriate for “the Commission [to] attach a
2 ‘sunset’ provision to the acceptance of [PSE’s costs under the Colstrip
3 Transmission Agreement and Montana Intertie Agreement] into rates.”¹⁴

4 **V. PSE IS NOT MISSING AN IMPORTANT OPPORTUNITY**
5 **TO ADDRESS TRANSMISSION ISSUES THAT COULD PROVIDE**
6 **MORE OPTIONS TO COST-EFFECTIVELY MEET PSE’S**
7 **RENEWABLE PORTFOLIO STANDARD OBLIGATIONS, SERVE**
8 **PSE’S VOLUNTARY RENEWABLE ENERGY PROGRAM**
9 **CUSTOMER DEMANDS, OR CONTRIBUTE TO STATE**
10 **CLIMATE GOALS**

11 **Q. Is PSE “missing an important opportunity to address transmission issues**
12 **that would give the company more options for cost-effectively meeting its**
13 **Renewable Portfolio Standard (‘RPS’) obligations, serving its voluntary**
14 **renewable energy program customer demands, and contributing to state**
15 **climate goals”?**¹⁵

16 **A.** No. PSE is currently studying, among other things, the peak capacity value of
17 Montana wind resources in its 2017 Integrated Resource Plan (the “2017 IRP”) to
18 forecast whether such resources would be least cost resources for purposes of the
19 2017 IRP. The 2017 IRP process will analyze generic resources in Montana, and
20 elsewhere, but will not identify a particular resource, wind or otherwise, in
21 Montana as a least-cost resource. Subsequent to the 2017 IRP, PSE may engage in
22 a request for proposal process in which PSE could identify particular resources in
23 Montana and whether they are cost-effective to pursue. As discussed above, the

¹⁴ Yourkowski, Exh. CBY-1T at 19:15-16.

¹⁵ Yourkowski, Exh. CBY-1T at 5:14-17.

1 effect of any new resource, including any new resource identified by PSE
2 pursuant to these processes, on system reliability and transfer capability of the
3 Colstrip Transmission System would depend on the type of such new resource, its
4 size and other characteristics, and its location.

5 **Q. When will PSE file the 2017 IRP with the Commission?**

6 A. Pursuant to the schedule adopted in Docket UE-160918, PSE will (i) issue a draft
7 of the 2017 IRP on or before September 12, 2017, and (ii) file the final 2017 IRP
8 on or before November 15, 2017. Typically, PSE's Request for Proposal process
9 would follow the IRP process and would be the process by which Montana
10 resources would compete with other resources.

11 **Q. Does PSE anticipate going through the formal RFP process following the**
12 **2017 IRP?**

13 A. PSE has not yet made a determination whether PSE would conduct an RFP
14 process following the 2017 IRP. PSE's decision about issuing an RFP will be
15 included in the Action Plan section of the 2017 IRP filing. That decision could
16 reflect feedback from the Commission or others in the 2017 IRP process, future
17 updates to PSE's long-term load forecast, and subsequent considerations.

18 **VI. CONCLUSION**

19 **Q. Does this conclude your rebuttal testimony?**

20 A. Yes.