

September 25, 2017

#### VIA ELECTRONIC FILING

Public Utility Commission of Oregon 201 High Street SE, Suite 100 Salem, OR 97301-3398

Attn: Filing Center

RE: UM 1845—PacifiCorp's Status Update

During its August 29, 2017 public meeting, the Public Utility Commission of Oregon (Commission) addressed PacifiCorp d/b/a Pacific Power's 2017 Renewable Request for Proposals (2017R RFP). Because a parallel docket regarding the 2017R RFP has also been pending before the Public Service Commission of Utah (Utah Commission), PacifiCorp committed to providing a status update to this Commission and the parties after the Utah hearing, held September 19, 2017. This letter describes the Utah Commission's order, and PacifiCorp will be available to provide further information at this Commission's September 26, 2017 public meeting.

On September 22, 2017, the Utah Commission issued an order approving the 2017R RFP¹ subject to the following modifications:

- Allow bids submitted for new or repowered wind projects that can interconnect to or deliver on a firm transmission basis to PacifiCorp's transmission system in both its east and west balancing areas. Repowered wind projects cannot have a contract with PacifiCorp for the offtake of the power. If there is an existing contract between the project and PacifiCorp, then the contract must naturally expire before December 31, 2020.
- Allow bidders to submit power purchase agreement (PPA) bids with terms of 30 years or as an alternative, 20 year PPA term with a 10 year fixed price extension that would be exercised by PacifiCorp. Clarify that bidders should assess the potential lease account or variable interest entity (VIE) treatment implications when preparing bids.
- Clarify that bidders can provide written comments on the pro-forma power-purchase and build-transfer agreements.
- Clarify that the material litigation excludes state commission complaints.

The Utah Commission also recommended, but did not require, expanding the 2017R RFP to include solar resources.

<sup>&</sup>lt;sup>1</sup> Application of Rocky Mountain Power for Approval of Solicitation Process for Wind Resources, Docket No. 17-035-23, Order Approving RFP with Suggested Modification (September 22, 2017) ("Utah Order").

UM 1845 Public Utility Commission of Oregon September 25, 2017 Page 2

PacifiCorp maintains that Wyoming wind resources are least-cost, least-risk while providing net benefits for customers, as demonstrated by the 2017 Integrated Resource Plan (2017 IRP). To preserve the ability to move forward with this time-limited opportunity, PacifiCorp accepted certain proposed modifications advocated for by parties and the Independent Evaluator (IE) in Utah, including amending the RFP to include wind outside of Wyoming. With this expanded geographic scope, PacifiCorp will only proceed with the acquisition of wind facilities outside of Wyoming if the evaluation of those bids demonstrate that they will provide net customer benefits.

Despite the additional process required by the Utah Commission, PacifiCorp has worked to ensure that the 2017R RFP timeline will be maintained and intends to establish a final shortlist by early January 2018. PacifiCorp will issue the 2017R RFP to market on September 27, 2017. The proposed schedule is shown below:

Milestone	Date
RFP Issued to Market	09/27/2017
Bidder's Conference	10/02/2017
Notice of Intent to Bid Due	10/09/2017
Benchmark Bids Due	10/10/2017
RFP Bids Due	10/17/2017
Bid Eligibility Screening Completed	10/30/2017
Capacity Factor Evaluation on ISL	10/30/2017
Initial Shortlist (ISL) Evaluation/Scoring Completed	11/12/2017
IE Review of ISL Completed	11/17/2017
ISL Price Update	11/22/2017
Capacity Factor Evaluation on ISL Completed	11/22/2017
Final Shortlist (FSL) Evaluation Completed	01/08/2018
IE Review of FSL Completed	01/15/2018
Execute Agreements	04/16/2018

At the September 26, 2017 public meeting, PacifiCorp intends to request that the Commission modify Order No. 17-345 to approve an updated 2017R RFP that includes changes made as a result of the Utah proceeding. PacifiCorp's request is intended to align the scope of the 2017R RFP in both Oregon and Utah. Because the 2017 IRP does not identify non-Wyoming wind as a least-cost, least-risk resource, an RFP that includes wind resources located outside of Wyoming will not be consistent with the 2017 IRP. But modifying Order No. 17-345 is consistent with the Commission's competitive bidding guidelines, specifically guideline 7, which allow the Commission to "consider the impact of multi-state regulation, including requirements imposed by other state for the RFP process." If the Commission prefers

<sup>&</sup>lt;sup>2</sup> In the Matter of the Pub. Util. Comm'n of Oregon, Investigation into Competitive Bidding, Docket UM 1182, Order No. 14-149, Appendix A at 2-3 (April 30, 2014).

UM 1845 Public Utility Commission of Oregon September 25, 2017 Page 3

to maintain its approval as outlined in Order No 17-345, PacifiCorp will issue the two separate request for proposals concurrently.

PacifiCorp provided a state update to parties in this docket after the September 19, 2017 hearing, and sent the Utah Order to stakeholders in docket UM 1845 shortly after it was issued on September 22, 2017. PacifiCorp sent a notice on September 23, 2017, to potential bidders and parties on the 2017R RFP email list notifying them of the modifications approved in the Utah Order, including the expanded scope. On the same day, PacifiCorp also delivered its proposed 2017R RFP in redline and clean versions to both the Oregon and Utah IEs, reflecting the modifications in the Utah Order.

If you have questions about this filing, please contact Natasha Siores, Manager, Regulatory Affairs, at (503) 813-6583.

Sincerely,

Etta Lockey

Vice President, Regulation

Enclosure

Application of Rocky Mountain Power for Approval of Solicitation Process for Wind Resources DOCKET NO. 17-035-23

ORDER APPROVING RFP WITH SUGGESTED MODIFICATION

ISSUED: September 22, 2017

### **Background**

- 1. On April 17, 2017, pursuant to the Energy Resource Procurement Act (Act), Utah Code Ann. §§ 54-17-101 to -806, PacifiCorp, doing business as Rocky Mountain Power (PacifiCorp), filed a notice of intent to seek approval for a request for proposal (RFP) process for up to 1,270 MW of new wind resources capable of interconnecting to, and/or delivering energy and capacity across, PacifiCorp's transmission system in Wyoming (Wyoming Wind). According to PacifiCorp's filing, it will seek bids to achieve commercial operation no later than December 31, 2020, "[t]o ensure eligibility for the full value of federal production tax credits [(PTCs)]."
- 2. On June 2, 2017, after a competitive solicitation, the Public Service Commission of Utah (PSC), appointed an Independent Evaluator (IE), Merrimack Energy Group, Inc., as required by Utah Code Ann. § 54-17-203, to monitor the RFP.
- 3. On June 16, 2017, PacifiCorp filed an application for approval of its RFP under Utah Code Ann. § 54-17-201 of the Act.<sup>2</sup> Consistent with PacifiCorp's notice of intent, PacifiCorp's application proposes to add up to 1,270 MW of new wind resources by the end of 2020 to take advantage of a time-limited opportunity for PTCs scheduled to expire in 2020.<sup>3</sup>

\_

<sup>&</sup>lt;sup>1</sup> Notice of Request for Approval of Solicitation Process at 1, filed April 17, 2017.

<sup>&</sup>lt;sup>2</sup> See PacifiCorp's Application, filed June 16, 2017.

 $<sup>^3</sup>$  See id. at 5.

- 2 -

PacifiCorp's application also requests a waiver of Utah Admin. Code R746-420-3(10)(a) requiring the IE "blind" all bids for the evaluation process.

- 4. On June 27, 2017, the Presiding Officer for the Public Service Commission of Utah (PSC) held a scheduling conference<sup>4</sup> and, on June 28, 2017, issued a Scheduling Order.<sup>5</sup>
- 5. The Utah Association of Energy Users (UAE), the Interwest Energy Alliance (IEA), Utah Clean Energy (UCE), and sPower petitioned for and were granted intervenor status.<sup>6, 7</sup>
- 6. On August 4, 2017, the Division of Public Utilities (DPU), UAE, 8 and IEA each filed comments. The DPU's comments recommended approval of the proposed RFP if certain conditions were met, and IEA filed comments requesting some modifications to the RFP. UAE's comments identified areas of concern with the RFP and requested the PSC hold a hearing on this matter.
- 7. On August 11, 2017, the IE filed a report of conclusions and recommendations, recommending some modifications to the RFP. The IE's report also recommended the PSC grant approval of PacifiCorp's request for a waiver of the bid blinding requirements and direct

<sup>&</sup>lt;sup>4</sup> See Notice of Scheduling Conference, issued June 21, 2017

<sup>&</sup>lt;sup>5</sup> See Scheduling Order, Notice of Comment Period on Request to Deviate from R746-420-1, and Order Granting Extension to Exceed 60-Day Approval Deadline, issued June 28, 2017.

<sup>&</sup>lt;sup>6</sup> As expressed by the PSC Chair during the September 19, 2017 hearing, the order granting sPower intervenor status will be forthcoming.

<sup>&</sup>lt;sup>7</sup> Enyo Renewable Energy petitioned for intervenor status but later withdrew its request. *See* Petition to Intervene of Enyo Renewable Energy and Amended Petition to Intervene of Enyo Renewable Energy, filed September 7, 2017, *and* Joint Notice to Withdraw PacifiCorp's Opposition to Enyo Renewable Energy's Amended Petition to Intervene and to Withdraw Enyo Renewable Energy's Amended Petition to Intervene, filed September 14, 2017.

<sup>&</sup>lt;sup>8</sup> On August 7, 2017, UAE filed an errata to its comments.

<sup>&</sup>lt;sup>9</sup> See Report of Independent Evaluator, filed August 11, 2017.

- 3 -

the IE to set up and maintain a webpage or database for information exchange between bidders/potential bidders and PacifiCorp.

- 8. On August 18, 2017, PacifiCorp filed reply comments identifying the modifications it had made to the RFP to address the concerns of the DPU, IE, IEA, and UAE, and identifying some remaining areas of disagreement.<sup>10</sup>
- 9. Additionally, on August 18, 2017, the DPU filed reply comments noting that the results of the RFP will identify whether some of its concerns have been satisfied; the Office of Consumer Services (OCS) filed comments requesting the PSC require the RFP be redesigned; and UAE filed reply comments requesting further PSC review.
- 10. On August 22, 2017, the PSC issued an Order and Notice of Scheduling Conference. In this Order, we concluded that the record then before us was insufficient to approve the RFP. We also concluded that "we must conduct additional review" and committed to conduct an expedited hearing to continue to consider the application. In this Order, we concluded that "we must conduct additional review" and committed to conduct an expedited hearing to continue to consider the application.
- 11. Pursuant to our August 22, 2017 Order, and the subsequent Order Rescheduling Scheduling Conference, issued on August 23, 2017 at the parties' request, the PSC's Presiding Officer held a scheduling conference in this docket.
- 12. On August 29, 2017, we issued a Scheduling Order setting forth deadlines for direct testimony, intervention (September 13, 2017), rebuttal testimony, and a hearing date. <sup>13</sup>

<sup>&</sup>lt;sup>10</sup> See PacifiCorp's Reply in Support of Application for Approval of Solicitation Process, filed August 18, 2017.

<sup>&</sup>lt;sup>11</sup> See Order and Notice of Scheduling Conference, issued August 22, 2017.

<sup>&</sup>lt;sup>12</sup> See id. at 1-2 (quoting Utah Code Ann. § 54-17-201(2)(c)(ii)(A)). See also Order Rescheduling Scheduling Conference, issued August 23, 2017 (amending scheduling conference date from Tuesday, August 29, 2017, to Friday, August 25, 2017, at the request of the parties).

<sup>&</sup>lt;sup>13</sup> See Scheduling Order, issued August 29, 2017.

- 4 -

- 13. On August 31, 2017, PacifiCorp filed supplemental direct testimony. 14
- 14. On September 13, 2017, the IE, <sup>15</sup> DPU, <sup>16</sup> OCS, <sup>17</sup> UAE, <sup>18</sup> UCE, <sup>19</sup> and sPower<sup>20</sup> each filed rebuttal testimony, and IEA filed comments. <sup>21</sup>
- 15. On September 19, 2017, the PSC held a hearing during which witnesses presented surrebuttal testimony.<sup>22</sup> Each of the following parties attended and were represented by counsel: PacifiCorp, DPU, OCS, UAE, UCE, <sup>23</sup> IEA, and sPower. The IE attended *pro se*.
- 16. At hearing, PacifiCorp agreed to accept all of the IE's recommendations.<sup>24</sup> PacifiCorp also stipulated to sPower's request to modify its RFP to define "litigation" as including only court litigation and not any litigation or complaint filed with any utility commission.

## **Findings and Conclusions**

As we held in our August 22, 2017 Order, <sup>25</sup> our decision in this docket is governed by the Energy Resource Procurement Act (Act), Utah Code Ann. §§ 54-17-101 to -806. Notably,

<sup>&</sup>lt;sup>14</sup> See PacifiCorp's Supplemental Testimony of Rick T. Link, filed August 31, 2017.

<sup>&</sup>lt;sup>15</sup> See Rebuttal Testimony of Wayne J. Oliver, filed September 13, 2017.

<sup>&</sup>lt;sup>16</sup> See DPU's Redacted Rebuttal Testimony of Charles E. Peterson, filed September 13, 2017.

<sup>&</sup>lt;sup>17</sup> See OCS' Rebuttal Testimony of Bela Vastag, filed September 13, 2017. See also OCS' Rebuttal Testimony of Philip Hayet, filed September 13, 2017.

<sup>&</sup>lt;sup>18</sup> See UAE's Prefiled Testimony of F. Steven Knudsen, filed September 13, 2017.

<sup>&</sup>lt;sup>19</sup> See UCE's Rebuttal Testimony of Sarah Wright, filed September 13, 2017.

<sup>&</sup>lt;sup>20</sup> See sPower's Prefiled Rebuttal Testimony of Hans Isern, filed September 13, 2017.

<sup>&</sup>lt;sup>21</sup> See IEA's Second Set of Comments, filed September 13, 2017.

<sup>&</sup>lt;sup>22</sup> See supra n.13.

<sup>&</sup>lt;sup>23</sup> UCE was assisted by UAE's counsel.

<sup>&</sup>lt;sup>24</sup> At hearing the IE clarified that his recommendation was that bidders should be able to propose either a contract term of 20 years with a 10-year extension at PacifiCorp's discretion, or a 30-year term option with a caveat that the bidder should assess the accounting implications of a 30-year term.

<sup>&</sup>lt;sup>25</sup> See supra n.11.

- 5 -

Section 54-17-201(2)(c) of the Act requires that when ruling on PacifiCorp's request for approval of its solicitation process, we must determine whether the solicitation process:

- (i) complies with this chapter and rules made in accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act; and
- (ii) is in the public interest taking into consideration:
  - (A) whether [issuance of the RFP] will most likely result in the acquisition, production, and delivery of electricity at the lowest reasonable cost to the retail [Utah] customers of [PacifiCorp];
  - (B) long-term and short-term impacts;
  - (C) risk;
  - (D) reliability;
  - (E) financial impacts on [PacifiCorp]; and
  - (F) other factors determined by the commission to be relevant.

Utah Code Ann. § 54-17-201(2)(c)(i)-(ii)(A)-(F).

As an initial matter, both our philosophy of regulation and Title 54 generally point to a premise that we, as regulators, should not substitute our judgment on business management decisions for that of a regulated utility that has the ultimate responsibility to plan and provide for adequate electric service to its customers at a reasonable price. We must sometimes decide whether a utility's operational decision was prudent and complied with statutory guidelines, but we generally do not make those decisions in the first instance. To analogize this relationship to sports, our role is more similar to a referee than to a coach. Despite that general philosophy that is interwoven throughout Title 54, the Act stands to some extent as a partial exception to that general philosophy: in this docket, the utility is prohibited by the Act from issuing its proposed RFP without first obtaining our approval.

- 6 -

We treat this unique role seriously and in context with our underlying philosophy of regulation. The juxtaposition of that philosophy against the Act's unique statutory requirements informs our decision, as discussed below, to both approve the issuance of the RFP with the modifications proffered by PacifiCorp during the hearing (including the modifications to the RFP's minimum qualifications requirements regarding litigation as set forth in the September 14, 2017 order of the Oregon Public Utilities Commission), <sup>26</sup> and to issue an additional suggested modification that goes beyond the approved RFP. <sup>27</sup> We do not require any additional approval process; PacifiCorp may choose whether to accept our suggested modification and issue the RFP as long as the issuance includes the changes to which PacifiCorp committed during the hearing.

## i. Whether the Solicitation Process Complies with Utah Law and Administrative Rules

The IE report concludes, in part: "The RFP documents and process are generally consistent with the Utah Admin. Code, Regulations[,] and Statutes pertaining to the requirements for the design and development of the competitive bidding process." In addition, in his rebuttal testimony the IE reiterated his statement above, emphasizing "the Disclosures and Requirements listed in Section R746-420-3 of [the] Utah [Administrative] Code[.]" Based on these representations of the IE, whose statutory responsibility it is to render an opinion on whether the solicitation process complies with the Act, we conclude that PacifiCorp's solicitation process

<sup>&</sup>lt;sup>26</sup> This approval is pursuant to Utah Code Ann. § 54-17-201(2)(f)(i).

<sup>&</sup>lt;sup>27</sup> This suggested modification is pursuant to Utah Code Ann. § 54-17-201(2)(f)(ii).

<sup>&</sup>lt;sup>28</sup> Report of the Utah Independent Evaluator Regarding PacifiCorp's Draft Renewable Request for Proposals (2017R RFP) at 3, filed August 11, 2017.

<sup>&</sup>lt;sup>29</sup> Rebuttal Testimony of Wayne J. Oliver at 12, filed September 13, 2017.

<sup>&</sup>lt;sup>30</sup> See Utah Code Ann.  $\S$  54-17-203(3)(b)(v)(A)(II) ("The independent evaluator shall . . . render an opinion as to whether . . . the solicitation process is . . . in compliance with this part[.]").

- 7 -

complies with the Act and with our rules (R746-420), which are required by statute to be "made in accordance with" the Utah Administrative Rulemaking Act.

#### ii. Whether the Solicitation Process is in the Public Interest

## Limiting the RFP to Wyoming Wind

PacifiCorp initially proposed to seek proposals for new wind resources capable of interconnecting to, and/or delivering energy and capacity across PacifiCorp's transmission system in Wyoming that could qualify for PTCs. However, the IE recommended the proposal be broadened to include all wind resources, regardless of the location, whether new or repowered, as long as they are capable of connecting to PacifiCorp's transmission system. In making this recommendation, the IE observed, "Allowing the opportunity for other competitors can only enhance the opportunity to reduce costs for consumers." PacifiCorp agreed with the IE's recommendation and proffered to amend its RFP accordingly.

## Solar Resources

Solar pricing is disputed in this docket. PacifiCorp's 2017 IRP assumes solar pricing at \$57/MWh in 2021, rising with inflation to \$65/MWh in 2027.<sup>33</sup> However, according to UCE, "[t]his pricing is grossly inflated. Solar pricing should be modeled at a cost closer to \$30/MWh.... Without accurate solar pricing, it is impossible to conclude that solar deployment in Utah with the 30% I[nvestment] T[ax] C[redit] is not economic."<sup>34</sup> sPower agrees with UCE.

<sup>&</sup>lt;sup>31</sup> See supra n.28 at 35.

 $<sup>^{32}</sup>$  Id

<sup>&</sup>lt;sup>33</sup> UCE's Rebuttal Testimony of Sarah Wright at 6, lines 82-83, filed September 13, 2017. *See also* PacifiCorp's Direct Testimony of Dan MacNeil at 15, lines 306-07, filed August 17, 2017 (Docket No. 17-035-37, available at: <a href="https://psc.utah.gov/2017/06/22/docket-no-17-035-37/">https://psc.utah.gov/2017/06/22/docket-no-17-035-37/</a>), of which we take administrative notice.

<sup>&</sup>lt;sup>34</sup> UCE's Rebuttal Testimony of Sarah Wright at 6, lines 83-84 and 87-88.

- 8 -

offering that its "current levelized cost of solar in southern Utah is approximately \$30/MWh."<sup>35</sup> PacifiCorp proffered during hearing that it is willing to issue a separate RFP for solar resources after the issuance of the proposed RFP.<sup>36</sup>

We find inconclusive the evidence related to current utility scale solar prices compared against the solar prices PacifiCorp used in its analysis. PacifiCorp provided a reasonable basis for why it used costs generally in excess of \$50 per MWh in its analysis, as opposed to the prices some witnesses discussed that are closer to \$30 per MWh. We consider it reasonable that PacifiCorp's cost assumptions reflect commercially operational solar projects, rather than more recent indicative avoided cost pricing under which no resources have yet achieved commercial operation. We find the evidence from some parties with respect to lower solar prices, though, sufficiently persuasive to justify our suggested modification that the RFP be expanded to include solar resources that are able to interconnect at any point in the PacifiCorp system.

This issue is a key distinction between rejecting the RFP, which would require PacifiCorp to resubmit for our future approval an RFP that includes solar resources, and making a suggested modification, which leaves PacifiCorp with the independent business decision of whether to accept the suggested modification. If parties had provided evidence that utility scale solar generation that can connect to the PacifiCorp system has actually been contracted and completed, and is in operation at prices closer to \$30 per MWh, we likely would be convinced to reject the proposed RFP and require it to be resubmitted for approval with solar included. That clear

<sup>&</sup>lt;sup>35</sup> sPower Rebuttal Testimony of Hans Isern at 8, filed September 13, 2017.

<sup>&</sup>lt;sup>36</sup> We also note, based on the testimony presented at hearing, the phase-out date for ITCs for solar resources is 2022, whereas the phase-out date for PTCs for wind resources is 2021.

- 9 -

deficiency in the evidence, requiring us to find that the solar pricing evidence is inconclusive, is a primary reason that instead of rejecting the proposed RFP, we are approving it with a suggested modification. That inconclusive evidence requires us to fall back on our general regulatory philosophy, that we as regulators should not be making the business decisions of PacifiCorp. If PacifiCorp chooses not to accept the suggested modification, it will have to defend that decision in future dockets, including Docket No. 17-035-40, Application of Rocky Mountain Power for Approval of a Significant Energy Resource Decision and Voluntary Request for Approval of Resource Decision.

We are recommending that the RFP be modified to include solar resources that can interconnect at any point in PacifiCorp's system, rather than accepting PacifiCorp's offer to execute a second RFP for solar resources. We find that a second and separate RFP for solar resources, based on modeling inputs that would assume the construction of the proposed wind resource, would not accomplish the objective of comparing the proposed solar resources against the wind resources on an equal basis. Simply put, the question is not whether solar resources should be built in addition to the proposed wind resources. Rather, we find that the more relevant question is whether solar resources should be built instead of, before, or in conjunction with the proposed wind resources. A separate, subsequent RFP cannot answer that question due to the dynamic nature of generation and transmission resource decisions. Ultimately, without the benefit of conclusive evidence regarding the current and actual costs to build and connect utility scale solar projects to PacifiCorp's system, we believe the market would provide the best comparative results. While we are not making that suggested modification mandatory for our approval of the RFP, PacifiCorp's decision about whether to accept the suggested modification

- 10 -

will be relevant in any docket evaluating costs related to a winning RFP bidder. PacifiCorp must make an operational decision with respect to this issue and must be prepared to defend it.

Timing of PTCs

We find inconclusive the evidence related to the effect a delay in the issuance of the proposed RFP might have on the production tax credits. PacifiCorp provided good faith testimony related to its concerns that delays in the RFP, and particularly delays in transmission, might risk those tax credits. Other parties provided valuable evidence based on Internal Revenue Service publications related to excusable delays that do not cause a loss of the tax credits. However, both sides based their evidence on non-expert evaluation of tax guidelines. No party provided a tax expert as a witness. PacifiCorp provided testimony indicating a reasonable but non-firm estimate of several months' delay if the RFP were to be modified to include solar resources that are able to interconnect at any point in the PacifiCorp system. No party established conclusively that such a delay would or would not disqualify a wind project from receiving the production tax credits.

That uncertainty in the record supports our decision to suggest a modification to include solar resources in the RFP, rather than to reject the RFP until that modification is made. Without conclusive evidence on the tax implications, we choose not to substitute our decision making for the operational decisions of PacifiCorp. PacifiCorp must evaluate the potential tax consequences, make a business decision about whether to accept our suggested modification to the RFP, and then be prepared to defend that decision in future dockets, including Docket No. 17-035-40.

While we respect Commissioner Clark's preference (addressed below) to deny the RFP on the basis that it does not include solar resources, we believe the approach we take in this order

- 11 -

avoids the delays that would accompany an additional approval process and that could potentially impact the availability of the production tax credits. This approach also allows PacifiCorp to make the business decision about how the delays accompanying potential expansion of the RFP to include solar resources might or might not affect those tax credits. Additional Requests of the Parties

Parties request other modifications to the RFP beyond those accepted by PacifiCorp that we do not find to warrant either denial of the RFP or additional suggested modifications. For example, sPower requests assurances that required transmission interconnection studies are timely completed by PacifiCorp transmission; however, we do not have jurisdiction over PacifiCorp's Open Access Transmission Tariff as that issue is a federal matter under the regulatory authority of the Federal Energy Regulatory Commission.

### Summary

We conclude that our findings are sufficient to approve<sup>37</sup> the issuance of the RFP with the modifications proffered by PacifiCorp during the hearing. We also conclude that our findings are sufficient to suggest a modification that the RFP be expanded to include solar resources that can interconnect at any point within PacifiCorp's system.<sup>38</sup> Regardless of whether PacifiCorp chooses to accept our suggested modification, we do not require any further approval prior to issuance. PacifiCorp may choose whether to accept our suggested modification and should be prepared to defend that decision in future dockets including Docket No. 17-035-40. We also find

<sup>&</sup>lt;sup>37</sup> This approval is pursuant to Utah Code Ann. § 54-17-201(2)(f)(i).

<sup>&</sup>lt;sup>38</sup> This suggested modification is pursuant to Utah Code Ann. § 54-17-201(2)(f)(ii).

- 12 -

PacifiCorp's request for a waiver of Utah Admin. Code R746-420-3(10)(a) requiring the IE blind all bids for the evaluation process, as supported by the DPU and the IE reasonable. In addition, we approve the IE's request to set up and maintain a webpage or database for information exchange between bidders/potential bidders and PacifiCorp during the RFP process.

### Order

- 1. We approve the RFP as proposed by PacifiCorp, including modifications proffered during the hearing to be accepted by PacifiCorp.
- 2. We suggest a modification to the RFP that PacifiCorp expand the RFP to include solar resources that can interconnect at any point in PacifiCorp's system. Whether or not PacifiCorp accepts this suggested modification, we do not require any additional approval prior to RFP issuance.
- 3. We approve PacifiCorp's request for a waiver of Utah Admin. Code R746-420-3(10)(a) requiring the IE blind all bids for the evaluation process.
- 4. We direct the IE to set up and maintain a webpage or database for information exchange between bidders/potential bidders and PacifiCorp.

DATED at Salt Lake City, Utah, September 22, 2017.

/s/ Thad LeVar, Chair

/s/ Jordan A. White, Commissioner

Attest:

/s/ Gary L. Widerburg Commission Secretary DW#296907

- 13 -

## Notice of Opportunity for Agency Review or Rehearing

Pursuant to §§ 63G-4-301 and 54-7-15 of the Utah Code, an aggrieved party may request agency review or rehearing of this Order by filing a written request with the PSC within 30 days after the issuance of this Order. Responses to a request for agency review or rehearing must be filed within 15 days of the filing of the request for review or rehearing. If the PSC does not grant a request for review or rehearing within 20 days after the filing of the request, it is deemed denied. Judicial review of the PSC's final agency action may be obtained by filing a petition for review with the Utah Supreme Court within 30 days after final agency action. Any petition for review must comply with the requirements of §§ 63G-4-401 and 63G-4-403 of the Utah Code and Utah Rules of Appellate Procedure.

- 14 -

## Statement of Commissioner David R. Clark, writing separately:

I respectfully dissent. I commend PacifiCorp's substantial efforts to bring to its customers the benefits of wind-related production tax credits. I also acknowledge PacifiCorp's acceptance of many adjustments to its proposed RFP recommended by the IE, in particular the removal of the geographic restrictions on wind resource locations. In my view, however, the evidence presented by the consumer representatives, and buttressed by solar power advocates, requires us to reject the proposed RFP unless it is opened to solar resources. I reach this conclusion despite my strong support of the regulatory philosophy expressed in the Order.

The record shows the solar resource cost data on which the utility relies in excluding solar resources may be outdated and as much as 40% too high. While a measure of skepticism may be appropriate in evaluating this evidence, the only way to know with any certainty whether solar resources are relatively lower in cost is to allow competitive bids to reveal the answer. I find the IE's statement regarding the need to broaden the proposed RFP to include all wind resources, regardless of the location, to be equally applicable to the inclusion of solar resources: "Allowing the opportunity for other competitors can only enhance the opportunity to reduce costs for consumers." Consequently, I believe any reasonable consideration of the public interest criterion that the approved solicitation process "will most likely result in the acquisition, production, and delivery of electricity at the lowest reasonable cost to [PacifiCorp's] retail customers . . . in [Utah]" requires the inclusion of solar resources in the RFP.<sup>39</sup> If such existing or

<sup>&</sup>lt;sup>39</sup> Utah Code Ann. § 54-17-201(2)(c)(i)(A).

- 15 -

potential resources can interconnect at any point in the PacifiCorp system, they should have the opportunity to compete in this solicitation process.

I recognize the expiration of wind-related PTCs at the end of 2020 places the resource solicitation and construction process under meaningful time constraints. I do not believe the additional few months required to expand the solicitation to solar resources would threaten the availability of the credits, particularly in light of the explicit recognition in Internal Revenue Bulletin: 2016-23 (June 6, 2016, Notice 2016-31) of "interconnection-related delays, such as those relating to the completion of construction on a new transmission line" as an excusable disruption in meeting the applicable project continuity requirements. Moreover, the ITCs available to certain solar resource projects also have a similar shelf life. Customers deserve the opportunity to reap the benefits of these potential tax credits on a comparable basis.

Finally, PacifiCorp's offer to conduct an additional, but necessarily subsequent, solicitation targeting solar resources does not cure the fatal defect in the proposed RFP. Such a solar solicitation would presume the existence of the wind resources previously selected through the proposed RFP and would not accomplish the critical purpose of ascertaining the least cost resources the instant RFP should be designed to identify.

Therefore, I dissent from the majority and would reject the proposed RFP unless it is amended to include solar resources.

/s/ David R. Clark, Commissioner

- 16 -

#### CERTIFICATE OF SERVICE

I CERTIFY that on September 22, 2017, a true and correct copy of the foregoing was delivered upon the following as indicated below:

### By Electronic-Mail:

Data Request Response Center (<u>datarequest@pacificorp.com</u>) PacifiCorp

Robert C. Lively (<u>bob.lively@pacificorp.com</u>) Yvonne Hogle (<u>yvonne.hogle@pacificorp.com</u>) Rocky Mountain Power

Gary Dodge (gdodge@hjdlaw.com)
Phillip J. Russell (prussell@hjdlaw.com)
Hatch, James & Dodge, P.C.
Representing the Utah Association of Energy Users

Mitch Longson (mlongson@mc2b.com)
Manning Curtis Bradshaw & Bednar PLLC
Representing the Interwest Energy Alliance

Merrimack Energy Group, Inc. (<u>waynejoliver@aol.com</u>) *Independent Evaluator* 

Melissa Barbanell (<u>melissa@barbanellenvironmental.com</u>) *Representing sPower* 

Sean McBride (<u>smcbride@spower.com</u>) *sPower* 

Sophie Hayes (<a href="mailto:sophie@utahcleanenergy.org">sophie@utahcleanenergy.org</a>)
Kate Bowman (<a href="mailto:kate@utahcleanenergy.org">kate@utahcleanenergy.org</a>)
Utah Clean Energy

Patricia Schmid (pschmid@agutah.gov)
Justin Jetter (jjetter@agutah.gov)
Robert Moore (rmoore@agutah.gov)
Steven Snarr (ssnarr@agutah.gov)
Assistant Utah Attorneys General

- 17 -

Erika Tedder (<u>etedder@utah.gov</u>) Division of Public Utilities

By Hand-Delivery:

Office of Consumer Services 160 East 300 South, 2nd Floor Salt Lake City, UT 84111

Administrative Assistant

# **CERTIFICATE OF SERVICE**

I certify that I served a true and correct copy of PacifiCorp's **Status Update** on the parties listed below via electronic mail and overnight delivery in compliance with OAR 860-001-0180.

# Service List UM 1845

ICNU UM 1845	
JESSE E COWELL (C)	DDADLEV MULLING (C)
DAVISON VAN CLEVE	BRADLEY MULLINS (C) MOUNTAIN WEST ANALYTICS
	333 SW TAYLOR STE 400
333 SW TAYLOR ST., SUITE 400 PORTLAND OR 97204	PORTLAND OR 97204
jec@dvclaw.com	brmullins@mwanalytics.com
RILEY G PECK (C)	
DAVISON VAN CLEVE, PC	
333 SW TAYLOR, STE 400	
PORTLAND OR 97204	
rgp@dvclaw.com	
ISP CATOLATION	
NIPPC UM 1845	,
GREGORY M. ADAMS (C)	ROBERT D KAHN
RICHARDSON ADAMS, PLLC	NORTHWEST & INTERMOUTAIN POWER
PO BOX 7218	PRODUCERS COALITION
BOISE ID 83702	PO BOX 504
greg@richardsonadams.com	MERCER ISLAND WA 98040
	rkahn@nippc.org
IRION A SANGER (C)	
SANGER LAW PC	
1117 SE 53RD AVE	
PORTLAND OR 97215	
irion@sanger-law.com	
PACIFICORP UM 1845	,
PACIFICORP, DBA PACIFIC POWER	ERIN APPERSON (C)
825 NE MULTNOMAH ST, STE 2000	PACIFIC POWER
PORTLAND OR 97232	825 NE MULTNOMAH STE 800
oregondockets@pacificorp.com	PORTLAND OR 97232
	erin.apperson@pacificorp.com

OREGON CITIZENS UTILITY BOARD	
OREGON CITIZENS' UTILITY BOARD	MICHAEL GOETZ (C)
610 SW BROADWAY, STE 400	OREGON CITIZENS' UTILITY BOARD
PORTLAND OR 97205	610 SW BROADWAY STE 400
dockets@oregoncub.org	PORTLAND OR 97205
dockets & oregoricab.org	
	mike@oregoncub.org
ROBERT JENKS (C)	
OREGON CITIZENS' UTILITY BOARD	
610 SW BROADWAY, STE 400	
PORTLAND OR 97205	
bob@oregoncub.org	
RENEWABLE NW UM 1845	
DINA DUBSON KELLEY	MICHAEL O'BRIEN
RENEWABLE NORTHWEST	RENEWABLE NORTHWEST
421 SW 6TH AVE STE 975	421 SW 6TH AVENUE #975
PORTLAND OR 97204	PORTLAND OR 97204
dina@renewablenw.org	michael@renewablenw.org
SILVIA TANNER	
RENEWABLE NORTHWEST	
421 SW 6TH AVE, STE 975	
PORTLAND OR 97204	
silvia@renewablenw.org	
3ivia@renewabierw.org	
STAFF UM 1845	
BENJAMIN FITCH-FLEISCHMANN (C)	GEOFFREY IHLE (C)
PUBLIC UTILITY COMMISSION OF	PUBLIC UTILITY COMMISSION OF
OREGON	OREGON
PO BOX 1088	PO BOX 1088
SALEM OR 97308	
	SALEM OR 97308
ben.fitch@state.or.us	geoffrey.ihle@state.or.us
JOHANNA RIEMENSCHNEIDER (C)	
PUC STAFF - DEPARTMENT OF	
JUSTICE	
BUSINESS ACTIVITIES SECTION	
1162 COURT ST NE	
SALEM OR 97301-4796	
johanna.riemenschneider@doj.state.or.us	

Dated September 25, 2017.

Jennifer Angell ( X Supervisor, Regulatory Operations

# **CERTIFICATE OF SERVICE**

I certify that I electronically filed a true and correct copy of PacifiCorp's **Status Update** on the parties listed below via electronic mail and overnight delivery in compliance with OAR 860-001-0180.

# Service List UM 1540

GREGORY M. ADAMS (C) RICHARDSON ADAMS, PLLC PO BOX 7218 BOISE, ID 83702 greg@richardsonadams.com	PATRICK G HAGER PORTLAND GENERAL ELECTRIC 121 SW SALMON ST 1WTC0306 PORTLAND, OR 97204 pge.opuc.filings@pgn.com; patrick.hager@pgn.com
ROBERT JENKS <b>(C)</b> OREGON CITIZENS' UTILITY BOARD 610 SW BROADWAY, STE 400 PORTLAND, OR 97205 bob@oregoncub.org	JASON W JONES (C) PUC STAFFDEPARTMENT OF JUSTICE BUSINESS ACTIVITIES SECTION 1162 COURT ST NE SALEM, OR 97301-4096 jason.w.jones@state.or.us
ROBERT D KAHN NORTHWEST & INTERMOUTAIN POWER PRODUCERS COALITION PO BOX 504 MERCER ISLAND, WA 98040 rkahn@nippc.org	JIMMY LINDSAY RENEWABLE NORTHWEST PROJECT 421 SW 6TH AVE #1125 PORTLAND, OR 97204-1629 jimmy@rnp.org
DARRINGTON OUTAMA PORTLAND GENERAL ELECTRIC 121 SW SALMON ST, 3WTC0306 PORTLAND, OR 97204 darrington.outama@pgn.com	PETER J RICHARDSON <b>(C)</b> RICHARDSON ADAMS, PLLC PO BOX 7218 BOISE, ID 83707 peter@richardsonadams.com
IRION A SANGER <b>(C)</b> SANGER LAW PC 1117 SE 53RD AVE PORTLAND, OR 97215 <u>irion@sanger-law.com</u>	V. DENISE SAUNDERS PORTLAND GENERAL ELECTRIC 121 SW SALMON ST 1WTC1301 PORTLAND, OR 97204 denise.saunders@pgn.com
DONALD W SCHOENBECK (C) REGULATORY & COGENERATION SERVICES INC 900 WASHINGTON ST STE 780 VANCOUVER, WA 98660-3455 dws@r-c-s-inc.com	JOHN W STEPHENS ESLER STEPHENS & BUCKLEY 121 SW MORRISON ST STE 700 PORTLAND, OR 97204-3183 stephens@eslerstephens.com; mec@eslerstephens.com

MARY WIENCKE
PACIFIC POWER
825 NE MULTNOMAH ST, STE 1800
PORTLAND, OR 97232-2149
mary.wiencke@pacificorp.com

PACIFICORP, DBA PACIFIC POWER 825 NE MULTNOMAH ST, STE 2000 PORTLAND, OR 97232 oregondockets@pacificorp.com

Dated September 25, 2017.

Jennifer Angell
Supervisor, Regulatory Operations

# **CERTIFICATE OF SERVICE**

I certify that I electronically filed a true and correct copy of PacifiCorp's **Status Update** on the parties listed below via electronic mail and overnight delivery in compliance with OAR 860-001-0180.

# Service List UE 263

OREGON CITIZENS' UTILITY BOARD 610 SW BROADWAY, STE 400 PORTLAND, OR 97205 dockets@oregoncub.org	GREGORY M. ADAMS RICHARDSON ADAMS, PLLC PO BOX 7218 BOISE, ID 83702 greg@richardsonadams.com
GREG BASS NOBLE AMERICAS ENERGY SOLUTIONS, LLC 401 WEST A ST., STE. 500 SAN DIEGO, CA 92101 gbass@noblesolutions.com	KURT J BOEHM BOEHM KURTZ & LOWRY 36 E SEVENTH ST - STE 1510 CINCINNATI, OH 45202 kboehm@bkllawfirm.com
STEVE W CHRISS <b>(C)</b> WAL-MART STORES, INC. 2001 SE 10TH ST BENTONVILLE, AR 72716-0550 stephen.chriss@wal-mart.com	MARIANNE GARDNER <b>(C)</b> PUBLIC UTILITY COMMISSION OF OREGON PO BOX 1088 SALEM, OR 97308-1088 marianne.gardner@state.or.us
KEVIN HIGGINS ENERGY STRATEGIES LLC 215 STATE ST - STE 200 SALT LAKE CITY, UT 84111-2322 khiggins@energystrat.com	ROBERT JENKS <b>(C)</b> OREGON CITIZENS' UTILITY BOARD 610 SW BROADWAY, STE 400 PORTLAND, OR 97205 bob@oregoncub.org
SARAH E KAMMAN (C) PACIFIC POWER 825 NE MULTNOMAH ST STE 1800 PORTLAND, OR 97232 sarah.kamman@pacificorp.com	JODY KYLER COHN BOEHM, KURTZ & LOWRY 36 E SEVENTH ST STE 1510 CINCINNATI, OH 45202 ikyler@bkllawfirm.com
KATHERINE A MCDOWELL <b>(C)</b> MCDOWELL RACKNER & GIBSON PC 419 SW 11TH AVE., SUITE 400 PORTLAND, OR 97205 katherine@mcd-law.com	SAMUEL L ROBERTS (C) HUTCHINSON COX COONS ORR & SHERLOCK 777 HIGH ST STE 200 PO BOX 10886 EUGENE, OR 97440 sroberts@eugenelaw.com

TRACY RUTTEN LEAGUE OF OREGON CITIES 1201 COURT STREET NE SUITE 200 SALEM, OR 97301 trutten@orcities.org	IRION A SANGER <b>(C)</b> SANGER LAW PC 1117 SE 53RD AVE PORTLAND, OR 97215 irion@sanger-law.com
DONALD W SCHOENBECK (C) REGULATORY & COGENERATION SERVICES INC 900 WASHINGTON ST STE 780 VANCOUVER, WA 98660-3455 dws@r-c-s-inc.com	NONA SOLTERO FRED MEYER STORES/KROGER 3800 SE 22ND AVE PORTLAND, OR 97202 nona.soltero@fredmeyer.com
DOUGLAS C TINGEY PORTLAND GENERAL ELECTRIC 121 SW SALMON 1WTC1301 PORTLAND, OR 97204 doug.tingey@pgn.com	JAY TINKER PORTLAND GENERAL ELECTRIC 121 SW SALMON ST 1WTC-0306 PORTLAND, OR 97204 pge.opuc.filings@pgn.com
MICHAEL T WEIRICH (C) PUC STAFFDEPARTMENT OF JUSTICE BUSINESS ACTIVITIES SECTION 1162 COURT ST NE SALEM OR 97301-4096 michael.weirich@state.or.us	

Jennifer Angell
Supervisor, Regulatory Operations

Dated September 25, 2017.

# **CERTIFICATE OF SERVICE**

I certify that I electronically filed a true and correct copy of PacifiCorp's **Status Update** on the parties listed below via electronic mail and overnight delivery in compliance with OAR 860-001-0180.

# Service List LC 67

COALTION LC 67	
NANCY ESTEB	JOHN LOWE
PO BOX 490	RENEWABLE ENERGY COALITION
CARLSBORG, WA 98324	12050 SW TREMONT ST
esteb44@centurylink.net	PORTLAND, OR 97225-5430
octob 11 Contary minimize	jravenesanmarcos@yahoo.com
	Tavoriocarimaroso y ariso.com
IRION A SANGER (C)	
SANGER LAW PC	
1117 SE 53RD AVE	
PORTLAND OR 97215	
irion@sanger-law.com	
ICNU LC 67	
JESSE E COWELL (C)	BRADLEY MULLINS (C)
DAVISON VAN CLEVE	MOUNTAIN WEST ANALYTICS
333 SW TAYLOR ST., SUITE 400	333 SW TAYLOR STE 400
PORTLAND, OR 97204	PORTLAND, OR 97204
jec@dvclaw.com	brmullins@mwanalytics.com
DATE (0)	
PATRICK J OSHIE (C)	
DAVISON VAN CLEVE PC	
507 BALLARD RD.	
ZILLAH, WA 98953	
pjo@dvclaw.com	
NATIONAL GRID	
NATHAN SANDVIG	JACK STODDARD
NATIONAL GRID USA	MORGAN LEWIS & BOCKIUS
205 SE SPOKANE ST, STE 300	ONE MARKET
PORTLAND, OR 97202	SPEAR STREET TOWER
nathan.sandvig@nationalgrid.com	SAN FRANCISCO CA 94105
Transmissing Changing Transmissing	fjackson.stoddard@morganlewis.com
NIPPC LC 67	
ROBERT D KAHN	STEVE KNUDSEN
NORTHWEST & INTERMOUTAIN POWER	NIPPC
PRODUCERS COALITION	2015 SE SALMON ST
PO BOX 504	PORTLAND OR 97214
MERCER ISLAND, WA 98040	sknudsen@nippc.org
rkahn@nippc.org	

SIDNEY VILLANUEVA (C)	
SANGER LAW, PC	
1117 SE 53RD AVE	
PORTLAND, OR 97215	
sidney@sanger-law.com	
NW ENERGY COALITION	
WENDY GERLITZ (C)	FRED HEUTTE (C)
NW ENERGY COALITION	NW ENERGY COALITION
1205 SE FLAVEL	PO BOX 40308
PORTLAND, OR 97202	PORTLAND, OR 97240-0308
wendy@nwenergy.org	fred@nwenergy.org
ODOE LC 67	
DIANE BROAD (C)	JESSE D. RATCLIFFE (C)
OREGON DEPARTMENT OF ENERGY	OREGON DEPARTMENT OF ENERGY
625 MARION ST NE	1162 COURT ST NE
SALEM OR 97301-3737	SALEM, OR 97301-4096
diane.broad@state.or.us	jesse.d.ratcliffe@doj.state.or.us
WENDY SIMONS (C)	
OREGON DEPARTMENT OF ENERGY	
625 MARION ST NE	
SALEM, OR 97301	
wendy.simons@oregon.gov	
werray.simons e oregon.gov	
OREGON CITIZENS UTILITY BOARD	
OREGON CITIZENS' UTILITY BOARD	MICHAEL GOETZ (C)
610 SW BROADWAY, STE 400	OREGON CITIZENS' UTILITY BOARD
PORTLAND, OR 97205	610 SW BROADWAY STE 400
dockets@oregoncub.org	PORTLAND, OR 97205
	mike@oregoncub.org
ROBERT JENKS (C)	
OREGON CITIZENS' UTILITY BOARD	
610 SW BROADWAY STE 400	
PORTLAND, OR 97205	
bob@oregoncub.org	
PACIFICORP LC 67	
PACIFICORP, DBA PACIFIC POWER	ERIN APPERSON (C)
825 NE MULTNOMAH ST, STE 2000	PACIFIC POWER
PORTLAND, OR 97232	825 NE MULTNOMAH STE 1800
oregondockets@pacificorp.com	PORTLAND, OR 97232
	erin.apperson@pacificorp.com
ETTA LOCKEY	
PACIFIC POWER	
825 NE MULTNOMAH ST., STE 2000	
PORTLAND, OR 97232	
etta.lockey@pacificorp.com	

PGE LC 67	
FRANCO ALBI PORTLAND GENERAL ELECTRIC 121 SW SALMON ST, 1WTC0702 PORTLAND, OR 97204 franco.albi@pgn.com	PATRICK G HAGER PORTLAND GENERAL ELECTRIC 121 SW SALMON ST 1WTC0306 PORTLAND, OR 97204 pge.opuc.filings@pgn.com patrick.hager@pgn.com
V. DENISE SAUNDERS PORTLAND GENERAL ELECTRIC 121 SW SALMON ST 1WTC1301 PORTLAND, OR 97204 denise.saunders@pgn.com	
RENEWABLE NW LC 67	MICHAEL CIRRIENT (C)
RENEWABLE NORTHWEST 421 SW 6TH AVE., STE. 1125 PORTLAND, OR 97204 dockets@renewablenw.org	MICHAEL O'BRIEN <b>(C)</b> RENEWABLE NORTHWEST 421 SW 6TH AVENUE #975 PORTLAND, OR 97204 michael@renewablenw.org
SILVIA TANNER RENEWABLE NORTHWEST 421 SW 6TH AVE, STE 975 PORTLAND, OR 97204 silvia@renewablenw.org	
SIERRA CLUB	
AMY HOJNOWSKI SENIOR CAMPAIGN REPRESENTATIVE SIERRA CLUB (503) 347-3752 amy.hojnowski@sierraclub.org	GLORIA D SMITH <b>(C)</b> SIERRA CLUB LAW PROGRAM 2101 WEBSTER ST STE 1300 OAKLAND, CA 94612 gloria.smith@sierraclub.org
ALEXA ZIMBALIST <b>(C)</b> SIERRA CLUB 2101 WEBSTER ST STE 1300 OAKLAND, CA 94612 alexa.zimbalist@sierraclub.org	
STAFF LC 67	
LISA GORSUCH <b>(C)</b> PUBLIC UTILITY COMMISSION OF OREGON PO BOX 1088 SALEM OR 97308-1088 lisa.gorsuch@state.or.us	GEOFFREY IHLE <b>(C)</b> PUBLIC UTILITY COMMISSION OF OREGON PO BOX 1088 SALEM, OR 97308 geoffrey.ihle@state.or.us

SOMMER MOSER (C)	
PUC STAFF - DEPARTMENT OF JUSTICE	
1162 COURT ST NE	
SALEM, OR 97301	
sommer.moser@doj.state.or.us	

Dated September 25, 2017.

Jennifer Angell
Supervisor, Regulatory Operations