# ATTACHMENT A

# DRAFT LICENSE APPLICATION RESPONSE-TO-COMMENTS MATRIX

COMMENT NO.	COMMENTER/ REQUESTER	COMMENT LETTER PAGE	STUDY REPORT OR RESOURCE AREA	STAKEHOLDER COMMENT	PACIFI
1	Bridgerland Audubon Society	1	Fish & Aquatics	As we've indicated in previous letters, Bridgerland Audubon's primary concern is how operational drawdowns of the reservoir have and could impact aquatic vegetation and the benthic invertebrates on which birds and fish depend. Throughout most of the process PacifiCorp has maintained that this is not an issue because sediments would not be exposed. For example, in your May 2021 <u>Response to Comments</u> PacifiCorp states "almost all of the reservoir bed remains inundated under conditions representative of the proposed extended operations lower limit at water surface elevation (WSE) 4,405.0 feet." In this Response PacifiCorp presented aerial photographs of launch areas that do show limited exposure of sediments during the drawdown. However, these boat launch areas are located in deep areas with steep banks that are not representative of reservoir as a whole. Similarly, in the early part of the <u>Draft License Application</u> (p. 3-124) you stated that "PacifiCorp's proposed operations would result in short-term, cyclical, reservoir fluctuations of 2.5 feet or less, which would not result in shorteins ediment exposure and would potentially have minor, temporary effects on the BMIs [benthic macroinvertebrates] in the form of drift and relocation to other parts of the reservoir." [emphasis is ours]. However, later in the Application (p. 3-168) the modeling analysis presented by PacifiCorp indicates that 21% of the lakebed would be exposed at an elevation of 4,405 ft. and even more would be exposed with the additional 0.5 ft. of drawdown in the requested tolerance range. Notably, all of the emergent vegetation and invertebrates associated with the macrophytes, and since diet analyses of fish in Cutler indicate that these are important prey items, the exposure of the emergent vegetation is an additional concern.	<ul> <li>PacifiCorp has included additi area under the proposed operation op</li></ul>

itional aerial photos illustrating the reservoir inundation rational ranges in Exhibit E, Attachment B. In addition, Attachment B, and the aerial photos of the boat 3.3.7 Recreation of Exhibit E, provide expansive views llustrating the lack of steep banks and deep water at the , and that virtually all of the reservoir remains inundated hal aerial photos were taken from other viewpoints to on zone at several WSEs and the lack of exposed

the Draft License Application regarding changes to the sed operations, such as those quoted in the comment, addition of the word 'substantive', or similarly modified 3-23 on page 3-168, noted in the comment as being e text describing reservoir conditions during current and s an area calculation that is based on predictions from sed to empirical observations of reservoir inundation ble 3-23 contained a calculation error (now corrected in n overstatement of the calculated area potentially potentially confusing table headers have now been describe the observed conditions. Both of these table perceived inconsistency described by the comment. he DLA version of the table and accompanying text did the potential strengths and limitations of the hydraulic erences between empirical observations of reservoir I the hydraulic model's predictions. Accordingly, the and Table 3-23 in the FLA (and, as needed, throughout been expanded with additional detail regarding this tion regarding the model predictions is also covered in

ed, in part, to predict water depths throughout Cutler operational WSE as measured at Cutler Dam. Direct drawdown in the fall of 2019 (which exceeded over 20 bam, more than 17 feet lower than the lowest proposed npirical data that can be used to verify the accuracy of entially identify limitations of the model. The data ations indicates the hydraulic model tends to osed reservoir bed at a Cutler Dam WSE of 4405.0 feet, of exposed reservoir bed were not observed as the Fall sed through elevation 4405.0.

odel is limited when it comes to replicating observed what the FLA now refers to as the "transition zones" of accuracy in these areas of the reservoir is limited due to R data collected for developing the 2D model geometry, action between the reservoir's groundwater and bed

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					material at the end of the reserve limitations of model output base model and the LiDAR data have resulting in a total limitation on
					Additionally, post-processing o of the reservoir bed had low lev saturation of the exposed bed m The low LiDAR survey returns unseasonably cold temperatures limited the level of elevation in reporting model depths and velo full LiDAR coverage. During P experience complex hydraulic p from the perched groundwater I action from the bed material dra many of these areas, now define saturated even after the reservoi Lastly, the uncertainty of the hy reservoir approach zero in the th the complex physics involved w is not accounted for in 2D hydra
					Lastly, the predicted inundation exposed reservoir bed do not di environment very little of the cl this limitation is not noticeable. groundwater interaction along t the reservoir banks and the rese experience water depths at or le an apparent discrepancy betwee reservoir bed" (based on aerial p operating ranges) and what the do not consistently reproduce th transition areas of the reservoir
					The model is, however, extreme between the proposed normal (y most of the year) and the propo- analysis of avian community po- analysis was indicated by the re (compared to the DLA), with the differentiation between model r Because all of the emergent veg already exposed to annual, varia

rvoir boundary, and (3) the inherent accuracy ased on LiDAR data at shallow (<6") depths (both the ave accuracy limitations ranging from 0.10-0.25 feet, on model output accuracy of a minimum of 0.35 feet).

of the LiDAR survey data revealed that some portions evels of elevation survey returns due to the water material at the time of the 2019 full drawdown event. ns (further complicated by ice formation during the es that occurred during the 2019 full drawdown) information in some of these areas which makes elocities in these areas more difficult than in areas with Project operations many of these same areas phenomena, including increased groundwater inflow levels surrounding the reservoir, as well as capillary lrawing moisture from the reservoir. The result is that ined as "transition zones", remain partially or mostly voir drops below the bed elevation in certain areas. hydraulic model results increase as the depths of the e transition areas. This increase in uncertainty is due to with flow in shallow water conditions some of which draulic modeling.

on boundaries that were used to generate the percent of display depths less than 0.1 feet. In a normal riverine channels' inundated area is less than 0.1 feet and thus le. However, in shallow, flat systems with noticeable g the "transition zones" (the shallower areas between servoir open water), a portion of the reservoir bed may less than the model accuracy range. The result can be gen the observed or known amount of "exposed al photos taken at or below the current and proposed he model is reporting. The results of the model simply the observed shallow depths of water that exist in the bir for the reasons discussed above.

mely useful in providing the capability for comparisons (which mirrors the existing operations range during posed extended range effects, particularly for the potential effects of proposed Project operations. This results of the ISR and is clarified in the FLA the expanded discussion noted above regarding the l results and empirical data observations.

egetation and associated invertebrate community are riable, extended freezing temperatures, PacifiCorp ly be relatively small, if any, changes from the current

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					<ul> <li>existing conditions. That is, bo communities have been pre-ad- invertebrate community alread are variable in nature. These ad additional effect to these resou</li> <li>Subsequent to BAS' comments in January of 2022 in order to b photos added in Exhibit E, Atta they provide additional empiric (current) and extended reservor</li> <li>In summary, the following edit</li> <li>Clarified, corrected, an indicate that proposed Project resources; also relevant resource secti</li> <li>Tables 3-23 and 3-43- calculations</li> <li>Section 3.3: Added de limitations) and observe</li> <li>Attachment B to Exhibit approximately (or below photographs are refere</li> </ul>
2	Bridgerland Audubon Society	1	Fish & Aquatics	In 2019 PacifiCorp conducted a significant drawdown of the reservoir with one of the objectives being to: "determine potential effects of future Project operations on resident fish, macroinvertebrate, and mollusk habitat in <i>Cutler Reservoir</i> ". A major impact of winter drawdowns on benthic invertebrates is desiccation and freezing of the exposed sediments ( <u>Carmignani and Roy 2017</u> ). Unfortunately, the PacifiCorp survey did not measure densities of macroinvertebrates in the areas of the reservoir exposed during the drawdown. Indeed, the <u>Initial Study Report</u> (2021, p. E-7) indicates that " <i>Transects were selected based on representativeness of the unit, accessibility during the drawdown, and further were not expected to be dewatered during the drawdown.</i> " Actually, one sample site was dewatered during the conditions expected during the proposed operations, and thus negated the analysis assumptions." (PacifiCorp letter, Nov. 2021). That is, throughout their analyses PacifiCorp refused to understand or acknowledge that a significant portion of the reservoir would be dewatered by their current and proposed extended operation proposal and that this dewatering could have a significant impact on the macrophytes and benthic invertebrates in that zone.	As noted in the comment, one optimized in the comment, one optimized is the study anticipated and is photographs in Attachment B to dewatered at reservoir elevation operations. The single sampling as noted by BAS, was dewatered wSE 4,388.0 feet as measured proposed extended operations. dewatered during the full draw proposed normal and extended comparable to the sampling data As previously noted in the Studiaccepted Rapid Bioassessment density of Benthic Macroinvertion of the reservoir. Only 1 site on 2019 drawdown, and the other as did the 15 other sampling site these specific transect site selection.

both the flora and fauna of the potentially affected adapted to these conditions; much of the extant ady burrow to escape freezing conditions that already adaptations would continue, resulting in little or no burces.

nts being submitted, PacifiCorp met virtually with BAS o better understand and address BAS' concerns. The .ttachment B are partly in response to this meeting, as rical data regarding potential effects at proposed normal voir operations ranges.

dits were made in the FLA to address this comment: and expanded information throughout Section 3 to ed operations would not substantively change existing so added details regarding source descriptions to any ction

3- clarified and corrected table headers, data, and

detailed descriptions of the hydraulic model (including ervations taken during the 2019 full drawdown hibit E: added a photo log of aerial photographs at elow) WSE 4,405 feet (measured at Cutler Dam); these prenced throughout Section 3

e of the objectives of the study was to "determine oject operations on resident fish, macroinvertebrate, and servoir." Future project operations will not result in reservoir (see also comment response No. 1, above). In d later confirmed with direct observations (see 8 to Exhibit E) that very little of the reservoir was ions associated with the proposed normal and extended ing location that was eliminated during data collection ered only at the full drawdown in the Fall of 2019 at ed at Cutler Dam, which is at least 17 feet lower than the is. As a result, it was not appropriate to sample locations wdown in the Fall of 2019 that were well beyond the ed Project operations, as that data would not be data collected from all other submerged sites.

tudy Plan and the ISR, the study used the widely nt Method as a means of determining species and ertebrate Index (BMI) in the permanently wetted zone on transect 4 was found to be dewatered during the full er remaining 3 sites in transect 4 remained submerged sites for respective transects (19 total sites). That is, lections were made because current operations do not—

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					and future proposed normal an areas of reservoir bed, as comp 2019. As demonstrated in othe model predictions (which are p potential effects to the winter a photographic evidence confirm reservoir bed do not occur. See also response to Comment
3	Bridgerland Audubon Society	2	Fish & Aquatics	In previous comments we have asked PacifiCorp to incorporate the findings of decades of published research on the impacts of reservoir dewatering on benthic invertebrates. Although the present Draft License Application acknowledges some of these publications and recognizes that winter drawdowns can cause benthic invertebrate and macrophyte die-offfs, PacifiCorp discounts their applicability to the proposed Cutler Reservoir drawdowns because most of the studies were of greater magnitude and longer duration than what is proposed for Cutler (Draft License Application p. 3-124). Additionally, they once again erroneously state that the studies are not applicable because the "substrate along the shoreline would not be exposed to the physical factors described by other studies cited because the Cutler shoreline would not be dewatered and exposed to the elements." [Our emphasis] We agree that some of the other studies were different, but if PacifiCorp feels they are not applicable, they need to do studies of their own to assess how dewatering and freezing impacts the invertebrates and macrophytes in the shallow areas of the reservoir that would be exposed. This has not been done. It is possible that the proposed winter fluctuating regime would not significantly impact the biota in Cutler's littoral zone, but it is also possible that multiple dewatering and refreezing events would have more serious impacts on the exposed or subjectory in the shallow area significant in liteu of such studies by PacifiCorp, FERC should rely on the published literature that does indicate significant impacts of water drawdown.	BAS' comment is based on the exposed under the proposed ex and 2 in this table, PacifiCorp drawdown demonstrate minim proposed extended operations, mimic the current) operation ra potential effects to the reservoir comment response No. 1. The literature referenced by B. potential effects on the BMI co elevations including the propo Reservoir. The various studies (2017) discuss impacts to mac focus on impacts from studies (considered a large amplitude) winter. The impacts from those Cutler Reservoir because the p substantially smaller in amplit shoreline will not experience I Carmignani and Roy (2017) p where reservoir elevation chars similar to Cutler proposed ope elevation change revealed high macroinvertebrates, Carmigna short life history cycles with n the effects of inhospitable con- drawdowns. The authors go or oligochaetes and ceratopogoni sediment to inhabit relatively of Cutler Reservoir BMI commun- potentially as a result of previo perhaps from the marshy cond even the Wheelon Dam, and th freezing conditions historically
4	Bridgerland Audubon Society	2	Recreation	Another lesser issue that should be addressed is that the License Application suggests that the proposed increase in reservoir fluctuations would have no	As noted in the Draft License boat launches under all propos

and extended operating ranges would not—expose large npared to the much larger magnitude drawdown in her responses within this comment matrix, aside from e particularly useful in the comparison across species of r avian community), actual observations in the form of rm that largescale dewatering along the shorelines or

# nt No. 1.

he premise that large areas of the reservoir bed will be extended operations. In responses to commentsNos.1 p explained that observations during the 2019 mal exposure of reservoir bed associated with the is, and none related to the proposed normal (which range. Clarifications made regarding the description of voir resulting from proposed operations are detailed in

BAS provides valuable information for evaluating community across a range of hypothetical reservoir posed normal and extended operations at Cutler ies reviewed and summarized in Carmignani and Roy acroinvertebrates and macrophytes. BAS comments es where reservoirs are drawn down 2 to 3 meters e) and held at that level for a prolonged period over the ose studies are not transferable to future operations at proposed normal and extended operations are litude, and shorter in duration. The Cutler Reservoir e large-scale exposure as asserted by BAS. In fact, the publication includes result from studies of aquatic biota anges are much smaller, in the range of 0.4 to 0.6 m, perations. These studies with narrower ranges of gher submergent species richness. For nani and Roy (2017) found that chironomids possess multiple generations per year, enabling them to avoid onditions associated with large, prolonged winter on to state that other taxa such as amphipods, nids can physically tolerate freezing and burrow in y unaffected substrates. These four taxa dominate the unity, suggesting pre-adaptation of this community, vious reservoir conditions over the last 90-120 years, or nditions that likely existed prior to the construction of that would have also been subject to extended, variable lly.

e Application, Cutler Reservoir remains accessible at the osed operating ranges. Recreation opportunities such as

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				effect on recreational use (p. 3-198). It is true that access to launch sites (Table 3-35) would not be impeded. However, if the proposed period of increased fluctuations includes the month of November, the lower reservoir levels would greatly reduce boating access to much of the reservoir for waterfowl hunters and other users. Even with the current 1 ft. fluctuation that is allowed, canoeing and other boating is difficult in many areas because of the extensive shallow sandbars. In November, most boating is by waterfowl hunters. If the proposed period of increased drawdown begins in December, as stated in some places in the Application, the impact would likely be considerably less, as the reservoir is usually frozen by then. Later in the Application (p. 3-249) PacifiCorp does acknowledge that " <i>waterfowl hunting, may be displaced for short periods in the 10-day cycle under proposed extended operations in the winter season requiring hunters to temporarily shift to other locations in the reservoir.</i> " That is, both recreational use and damage to the organisms in the littoral zone would likely be impacted by the proposed extended operation limits.	waterfowl hunting continue to and extended operations. As p BAS' comment, navigation ro may shift for short periods in t operations in the winter season able to navigate and hunt on th limited in both area and time, a recreation use. This additiona (Section 3.3.7.2 and 3.3.7.4) Further, as noted in response believes the proposed extended impacts to organisms in the lit
5	Bridgerland Audubon Society	2	Fish & Aquatics	The Application requests that fish "spawning" be removed as an operational consideration for the reservoir because no endangered or threatened species inhabits Cutler Reservoir (p 1-3,4). However, many important sport fishes do spawn in the reservoir, so reproduction of these species should continue to be a consideration. Although the proposed water levels of the reservoir would not change from previous license agreement during the spawning season, a consideration of reproduction of these species should continue to be acknowledged in the license agreement.	PacifiCorp understands the im given that virtually all fish in t changes to the current operation have chosen to remove that iss of operational constraints. The highest priority constraints water delivery, which restrict I Cutler Reservoir maintain those change occurring outside the in irrigation has ceased (the exten- periods, which occur starting in spawning in Cutler Reservoir of present are either spring or sur- with the proposed additional 1 also not be at risk. As stated in responses to BAS change from normal (which m- only occur during the winter se- maximum 55-day period, WSI range (4,407.5 to 4,405.0 feet) of the 55 days (the proposed for the ISR; see also Figure 1-3 of
6	Bridgerland Audubon Society	3	Recreation	On a positive note, we applaud PacifiCorp's prior and proposed efforts to provide recreational opportunities on Cutler Reservoir and in the surrounding lands. As indicated in the Application, these facilities are extensively used by a variety of recreationists, and we are pleased to see that the company will continue to support these uses.	Thank you. During the current stakeholders, including BAS, recreation access balanced wit visitor experience. PacifiCorp and appreciates BAS' ongoing collaborator in balancing those

to exist on Cutler Reservoir under the proposed normal previously described in the DLA, and referenced by coutes and preferred hunting locations on the reservoir in the 10-day cycle under the proposed extended on. Because boaters and waterfowl hunters will still be the reservoir, these effects are considered minor and e, and therefore would not result in an overall impact to nal clarification has been made to Exhibit E 4).

se to comments No. 1 and 3 above, PacifiCorp led operations will not result in substantive additional ittoral zone.

mportance of fish spawning in Cutler Reservoir but a the reservoir are introduced sport fish, and that any ions would occur outside of the spawning season, we ssue from the previous license-era visual representation

nt is the seasonal contractual obligations for irrigation t PacifiCorp's operations. The proposed operations for ose obligations with the additional 1 foot of elevation irrigation season in the late fall and winter when ended range also cannot be used during high flow g in the early spring). In the fall and winter period, fish r does not occur as the known introduced species ummer spawners. Since there is no stranding potential 1-foot elevation change, young-of-year fishes would

S comments in the ISR and the USR, the proposed mimic current) operations to extended operations would season for up to a 55-day period. During this potential SEs would fluctuate throughout the approved operating t) and would not remain at 4,405.0 feet for the duration future operations are best described in Section 1.3 of of the ISR).

nt license period, PacifiCorp has worked with local , to identify recreation user needs and improve rith preservation, protection of wildlife habitat, and p will continue this approach in the next license term, ng commitment as a long-time stakeholder, partner, and se interests.

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7	Bridgerland Audubon Society	3	Fish & Aquatics	Bridgerland Audubon is supportive of PacifiCorp's and other utilities efforts to increase power generation with renewable sources rather than reliance on fossil fuels. The proposed extended operation limits at Cutler would allow greater peaking power to be generated and thus would represent a small step towards reducing global warming. Nevertheless, as we have indicated, we do not want to see this small increase in power generation result in significant impacts on the vegetation and macrophytes living in the shallow regions of the reservoir. As addressed above, <b>the relevant studies have not been done to assess these impacts. Consequently, we urge FERC to disallow the proposed extended operation limits until such time that PacifiCorp can provide useful data on these likely impacts. If the impacts are minor, the extended operation limits could then be granted. In previous communications with PacifiCorp, we have indicated how experimental studies could be done on ponds located in the valley. Alternatively, assessments could be done during a trial period that allowed extended operation limits for the reservoir. The license could then be amended depending on the findings of the studies.</b>	In their comments on the ISR studies including a BACI study Comment No. 6). FERC detern Modification Determination fi were sufficient for the analysis 25, 2022, FERC determined no the Updated Study Report (US previously in the ISR Study M interpretation of study results.
8	Bear River Canal Company	2		Bear River Canal Company fully supports PacifiCorp in the application of a new Federal Energy Regulation Commission (FERC) license. As the denial of the renewal of the Cutler license would decimate Box Elder County and the Bear River Canal Company, we, in the strongest language possible, request the renewal of the license by FERC.	PacifiCorp appreciates BRCC Hydroelectric Project.
9	Bear River Canal Company	2	Exhibit A: Project Description	In Exhibit A page 2-5, PacifiCorp states the following "The flow capacity of the Eastside and Westside canals is 165 and 735 cfs, respectively." We wish that this be edited to the following: "The since the construction of Cutler Dam, the greatest historic peak seasonal flows of the Eastside and Westside canals have been 180 and 750 cfs, respectively."	PacifiCorp delivers irrigation contract executed in 1912 (19 canals on the north (named the East Canal) sides of the Bear I to 900 cfs between May 1 and year. While the canals may be than 900 cfs (depending on co obligations to BRCC are limit Agreement PacifiCorp "delive continuously between and incl flow of one hundred and fifty including November 1 <sup>st</sup> of eac The proposed future operation PacifiCorp's ability to meet th to describe the operation of the has been further clarified to re
10	Bear River Canal Company	3	Measurement of water flow delivered to BRCC	In our official comment to FERC concerning the relicensing process, dated 7/7/19, we introduced the concern about the steadiness of flow delivery and the accuracy of the real-time measurement of the canal flows. In all meetings and comments since that time concerning the relicensing of the Cutler facility, we have returned to this concern. PacifiCorp has addressed our concerns with the steadiness of flow delivery through some programmatic changes to their gate automation system. However, the accuracy of the real-time measurement is still disputed. Currently, a rated channel is used for both the Hammond Main and West Main Canals to measure the flow. These	PacifiCorp has been delivering for over 100 years. PacifiCorp terms of the 1912 Agreement. flows within the irrigation can relicensing process, PacifiCorp software to better "smooth out BRCC's comments, this addre

R in 2021, BAS requested additional experimental dy and/or repeat of the fall 2019 drawdown (BAS ISR ermined no additional study was needed in their Study filing on June 11, 2021. Study methods as approved sis of potential project effects. Furthermore, on January no study modification determination was warranted for USR) because BAS's comments had been addressed Modification Determination or were comments on

C's support for the new license for the Cutler

n water to BRCC, from Cutler Reservoir, according to a 912 Agreement). At Cutler Dam, water is delivered to he Westside Canal) and south (named the Hammond or River. PacifiCorp is obligated to deliver a flow of up d October 31, and up to 150 cfs the remainder of the be physically able to accommodate, in aggregate, greater conditions within the canals), PacifiCorp's contract ited to 900 cfs and 150 cfs as noted above. Per the 1912 vers a flow of nine hundred second feet of water cluding May 1<sup>st</sup> and October 31<sup>st</sup> each year," and "a y second feet of water continuously between and ach year and April 30ths of the next succeeding year..." on of the Cutler Project will not interfere with the 1912 Agreement obligations. Exhibit A was written he system, in accordance with the 1912 Agreement, and reflect that.

ng irrigation water to BRCC, under the 1912 Agreement rp has been and continues to be in compliance with the t. Based on BRCC concerns regarding the steadiness of anals, communicated following the onset of the Cutler orp voluntarily modified its automated control gate ut" flows at the point of delivery to BRCC. As noted in ressed BRCC's concerns regarding flow steadiness.

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				rated sections are checked for accuracy every 30-45 days. This results in 4-5 measurements per year. Two of these measurements are undertaken by USGS and the remainder are conducted by PacifiCorp. [] Thus, we requested that PacifiCorp provide accurate real-time measurement via the installation of broad crested weirs at or near the point of ownership change for both canals. There is disagreement upon who should be responsible for the costs of these installations. During the discussions of issues surrounding the new FERC license, BRCC offered to contribute 50% of the installation costs while still believing that the governing contract requires PacifiCorp to fully fund such improvements in measurement. This offer was rejected by PacifiCorp.	Regarding the accuracy of flow delivered to BRCC), PacifiCor requirements. In addition, Pac requirements to ensure measure USGS standards. As further no checking the accuracy of flow USGS standards for flow mea- measure flows in the irrigation canal sections is a proven and industry standards. As noted in additional detail b time flow measurements was a A summary of those meetings BRCC participated in study pl Project relicensing process how 2019. The meeting focused on Energy Regulatory Commissio PacifiCorp's Proposed Techni 11, 2019. The meeting purposes study requests, demonstrate w 11, 2019 version of the PSP, a plan comments. PacifiCorp pre PacifiCorp's revised responses correspondence with FERC as PacifiCorp and BRCC made c on the proposed study plans. Of the October 28, 2019 meeting accuracy of real-time measure contended in the October 28, 27 sufficient accuracy. Staff from participated in the discussion of PacifiCorp's gages two times as aid that PacifiCorp's discharg accurate. USGS indicated that industry standard and consider or exceed USGS standards; se At the October 28, 2019 meeting third party (J-U-B Engineers) canals on two dates in Septem each canal channel. According dates in September 2019 the ra one date and 9 percent on the of

ow measurements (the volume of irrigation water being borp has met and continues to meet its 1912 Agreement acifiCorp has gone above and beyond the contract urement of irrigation water delivered to BRCC meets noted in BRCC's comment, USGS is involved in w measurements, and PacifiCorp meets or exceeds easurement accuracy. While there are multiple ways to on canals, PacifiCorp's use of periodically rating the d acceptable method meeting current USGS and

below, the issue of flow delivery and accuracy of reals addressed following our meetings with BRCC in 2019. gs and results is described below:

plan consultation meetings for the Cutler Hydroelectric osted by PacifiCorp on October 28 and November 14, on BRCC's study plan requests submitted to the Federal sion (FERC) in July 2019, and a discussion of nical Study Plans (PSP) filed with FERC on September oses were to gain a better understanding of BRCC's where comments were incorporated into the September and attempt to reach agreement on remaining study orepared a meeting summary along with a table of tes to BRCC's study plan requests and filed the as part of the Cutler relicensing consultation record.

considerable progress addressing BRCC's comments One of BRCC's concerns and a primary focus during g was related to irrigation water deliveries and the rement of those deliveries. Specifically, BRCC , 2019 meeting that PacifiCorp's measurements lacked m the United States Geologic Survey (USGS) n on October 28, 2019. The USGS measures flow at s a year, in part, to confirm rating curves. USGS staff rrge measurements at the BRCC canals are +/- 5 percent at discharge measurements within +/- 5 percent are the lered "good." PacifiCorp measurements generally meet see additional specific details below.

eting, BRCC informed the group that they contracted a ) to measure discharge in the east and west irrigation mber 2019 to verify accuracy of the rating curves for ng to BRCC, J-U-B Engineers estimated that on two rating curve was off by approximately 3.5 percent on e other from the discharge measures.

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					Following the October 28, 201 September 2019 discharge dat error in J-U-B Engineers disch per the USGS protocol, to pro- data, using the additional final corrected discharge measurem percent to 2.7 percent accuracy accuracy falls into the highest "excellent" by USGS. In summary, PacifiCorp's real standards for accuracy based of broad-crested weirs in the can such installation is required by previously, and again here, tha shareholders in pursuing any of warranted, including new mea responsible to bear those costs
11	Bear River Canal Company	4	Land Use	The draft license agreement Exhibit C page 3-272 states "Because it was determined that the proposed operations would not affect the BRCC withdrawals, they were not included in the water withdrawal infrastructure portion of the Land Use ISR." Exhibit C page 3-272 states "Proposed operations would not affect the BRCC withdrawals located at Cutler Dam because the proposed extended range would only be utilized outside the irrigation season, and the elevation range proposed would not fluctuate enough to affect the canal withdrawals." BRCC firmly states that no such determination was made or is defensible by PacifiCorp. BRCC would like to make it clear that the operational issues discussed in this comment are real issues that affect canal withdrawals both under the current license and under the proposed license. Edits should be made to the draft license to reflect the past and current status of this issue.	Note BRCC's references to Ex In the November 14, 2019, me sectional view of Cutler Dam during the proposed normal ar gate structures. The canal inta normal reservoir pool elevatio current operations regime duri determination that ongoing Pr BRCC canals is accurate. Furt for modeling potential impacts delivery to BRCC canals.

2019 meeting, PacifiCorp received J-U-B Engineers' lata for review. PacifiCorp subsequently identified an scharge calculations that omitted the final step necessary, rovide better accuracy. Corrections to J-U-B Engineers' hal step, were reviewed and approved by the USGS. The ements indicated the canal rating curves ranged from 0.6 acy to the measured discharge value. This level of est standard of measurement and is considered

al-time flow measurements meet the highest industry I on the USGS's independent assessment. Installation of mals is not needed to improve accuracy. Further, no by the Contract, which is why PacifiCorp has noted hat although the company supports BRCC and its v canal or irrigation system upgrades that it feels are easurement weirs, PacifiCorp customers should not be sts.

Exhibit C should be Exhibit E.

neeting with BRCC, PacifiCorp provided a crossn illustrating the location of the reservoir pool elevations and extended range operations relative to height of canal takes are located approximately 21 feet lower than the ion, and as noted, no changes would occur from the uring the irrigation season. Therefore, PacifiCorp's Project operations will not affect delivery of water to the orther, the cross-sectional illustration eliminated the need cts of future project operations on irrigation water

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12	Bear River Canal Company	4 & 5		To this point, PacifiCorp has made the argument that the operations of the canals are outside of the FERC prevue. However, we would point to the history/creation of the project, current operating agreements, and the economics of the project as evidence supporting the opposite opinion. [] There may be some argument that the current rated channel section is up to industry standard currently. We would point that the purpose of the relicensing process is to assess the value of the project for the future. During the term of the proposed license agreement, even proponents of the current measurement practices would have to agree these practices will be out-of-date during the next license period, thus can al measurement infrastructure should be upgraded as part of the issuance of a FERC license.	Water delivery obligations und completely fulfilled in operatin available water permits. The p interfere with those water delive PacifiCorp disagrees with BRO be out of date during the term techniques remain mostly unch technology. The field methods volume have been well establis developed to measure water vol- meters, but the field data colle instruments used to measure v to be used in situations where accurate. PacifiCorp utilizes ne- meters, as well as time-tested of for field data collection. Standard license article 8 requing agging efforts to the United St industry standard for hydrolog in the industry standards for Pr the USGS as needed during the will continue to meet or exceet USGS measuring standards. F- irrigation canals is not part of measurements of flow on a stri- canals downstream of the Proj operations, and are governed the As to "measurement" using a v "measurement device" but a h- curve) that requires the same f accuracy of the rating curve of computer-calculated or laboration the actual rating curve of the in the idealized conditions used to The need for new devices to rr under water delivery contractss Further, PacifiCorp has demoris water delivery measurement sy continues to comply with the function.
13	Bear River Canal Company	6		Bear River Canal Company has demonstrated that an issue exists with the accuracy of the current measurement system implemented by PacifiCorp in	See response to Comment No. 2019, and filed with FERC add

nder the 1912 contract are, and will continue to be, ting the Cutler Hydroelectric project so long as proposed operations in the next license period do not livery obligations.

RCC's assertion that current measurement practices will n of the next license given the fact that these field achanged despite substantial advancements in computing ds associated with the accurate measurement of flow blished for over a century. New equipment has been velocity and depth such as acoustic doppler current lection methods remain largely unchanged. In fact, the velocity in the past (Price AA current meter) continue e it is appropriate and where they continue to be newer equipment such as acoustic doppler current d current meters such as the Price AA where applicable

puires PacifiCorp to delegate supervision of their Project States Geological Survey (USGS). The USGS sets the ogic data collection methods and analysis. Any changes Project hydrologic data collection will be directed by the next license period. As noted previously, PacifiCorp eed both the 1912 Agreement requirements, as well as Further, PacifiCorp notes that measurement in these of the FERC license process, in that they are not tream where the Project is located but are on irrigation oject generation works, are not part of Project I by the 1912 Agreement.

a weir, the USGS does not consider a weir a hydraulic control on the stage-flow relationship (rating e frequency of discharge measurements to confirm the of the weir. Notably, weirs sometimes rely on standard ratory-derived empirical ratings, which may not match installed weir due to variations in field conditions from I to produce the standard rating curve.

measure water delivery within irrigation canals falls ts and is not a part of the FERC relicensing process. onstrated to the satisfaction of the USGS that the current system is accurate, meets industry standards, and e 1912 contract.

o. 10. Also, see letter to BRCC dated November 30, addressing the issues of water delivery timing and

COMMENT NO.	COMMENTER/ Requester	COMMENT LETTER PAGE	STUDY REPORT OR RESOURCE AREA	STAKEHOLDER COMMENT	PACIFI
				its conveyance of water through the FERC project. We have established a nexus to the FERC regulated Cutler Project through the project's history, current operations agreements, and economic impact on the area. Further, we have made an attempt to resolve the issues outside of a request to include upgrades as part of the license agreement. However, we have been unsuccessful in those attempts. Therefore, we request that FERC consider including an update in canal delivery measurement as a required upgrade to the infrastructure as part of the license which will govern the Cutler Project for the next license period. If FERC feels that our request is valid and intends to provide for it in the license, BRCC would request a consultation between FERC, PacifiCorp, and BRCC to discuss infrastructure required by the license for the reasons delineated in "Bear River Canal Company Capital Improvements Plans and Goals" section of this document.	accuracy of real-time flow me October 28 and November 14, automatic headgate control to input. Previously, a secondary between the flow control set-p primary gage. This was implet which has reduced both the bi set-point and the delivered flo is, PacifiCorp complies with the required by the Contract, once PacifiCorp also implemented a delivery system where feasible canal system are clearly the re
14	Bear River Canal Company	7	Exhibit C: Construction History	In Exhibit C Page 1.1 states the following: "The construction of the Project begins with the construction of the Hammond Canal (also known as the East Canal) and the West Canal to provide irrigation water to the dry bench lands of the east side of Bear River Valley (SWCA 2020). The larger West Canal serves those east-bench lands north of Cutler Canyon, while the Hammond Canal serves the lands located south of Cutler Canyon on the east bench." We feel that this was simply a misstatement but should be corrected to the following: "The construction of the Project begins with the construction of the Hammond Canal (also known as the East Canal) and the West Canal to provide irrigation water to the dry bench lands of the east side and west sides respectively of Bear River Valley (SWCA 2020). The larger West Canal serves those west-bench lands west and south of Cutler Canyon, while the Hammond Canal serves the lands located south of Cutler Canyon on the east bench."	PacifiCorp appreciates these c C of the FLA.
15	FERC (Frank Winchell)	1	Draft HPMP	Figure 2-2, Page 2-8: FERC project boundary lines (red lines) look strange. Not sure if this is correct.	Figure 2-2 in the HPMP is zoo FERC Project Boundary is con entirety in Exhibit G.
16	FERC (Frank Winchell)	1	Draft HPMP	Subsection 5.3: There should be an annual meeting within every anniversary of the issuance date of the license, among the participating parties to discuss the implementation of the HPMP. Add to Subsection 5.3 that the purpose of the annual meeting would be to share information regarding Project activities that have taken place during the preceding year, to discuss cultural resource concerns, to discuss site conditions, protection measures, and/or other activities that have been carried out that affect cultural resources; to provide an overview of anticipated upcoming Project activities; and to discuss any concerns with and proposed changes to the protocols established in the HPMP. Also add to Subsection 5.3 that every 5 <sup>th</sup> year, the annual report and meeting, will consider any possible cumulative effects to historic properties in the project's APE as a result of project operations that may have occurred or developed over the 5-year span.	PacifiCorp has modified Secti cumulative effects. For efficie reporting) of the HPMP admir effects review has been incorp Comment 17, below).

heasurements. As a result of the meetings with BRCC on 4, 2019, PacifiCorp implemented changes to the to use the primary streamflow gage as the primary flow ry water level sensor was used, resulting in some bias t-point flow rate versus the provisional flow rate at the lemented at the beginning of the 2021 irrigation season, bias and variability between the requested flow control low beyond the requirements of the 1912 Contract. That in the obligations under the 1912 Contract. Although not ce the company was made aware of BRCC concerns, d additional system changes to further improve the water ble. As such, additional capital upgrades to BRCC's responsibility of BRCC and not PacifiCorp customers.

clarifications, and has modified Section 1.1 of Exhibit

boomed in to provide detail of the Project facilities. The orrectly delineated in Figure 2-2, and can be seen in its

tion 5.3 of the HPMP to address periodic reviews for iency and to align all substantive reviews (vs. annual inistration and any necessary changes, the cumulative rporated into the 10-year HPMP review meeting (see

COMMENT NO.	COMMENTER/ REQUESTER	COMMENT LETTER PAGE	STUDY REPORT OR RESOURCE AREA	STAKEHOLDER COMMENT	PACIFIC
17	FERC (Frank Winchell)	1	Draft HPMP	Subsection 5.4: Change from every 20 years following the acceptance of the HPMP by FERC, to every 10 years, PacifiCorp will review the HPMP for adequacy and continued applicability to the Project's operation.	PacifiCorp has modified Section
18	FERC (Frank Winchell)	1	Draft HPMP	Section 4.0: Add another subsection before 4.3 on procedures and protocols for determining National Register of Historic Places eligibilities on any newly discovered cultural resource within the Project's APE. The procedures and protocols in this subsection should be consistent with the measures provided in subsection 4.7.1 and include standard consultation efforts between PacifiCorp and the Utah SHPO, and include involved Indian tribes concerning cultural resources of aboriginal origin.	PacifiCorp has added subsection
19	FERC (Frank Winchell)	1	Draft HPMP	Subsection 5.5: Just state that any kind of dispute regarding this HPMP, implementation of its measures, or treatment of cultural resources with PacifiCorp and/or with any of the involved parties will be carried through the dispute resolution process provided in the associated PA.	PacifiCorp has modified subse
20	Utah State Historic Preservation Office	N/A	Cultural Resources	My main buildings' related item is to change your "Exemptions" section to "Streamlined Activities" (this terminology is more consistent with updated Advisory Council on Historic Preservation guidance) and I would also request you provide an annual (or biennial) report on those streamlined activities to be submitted to the Utah SHPO.	PacifiCorp has modified the fir
21	Utah State Historic Preservation Office	N/A	Cultural Resources	SHPO hasn't seen SWCA survey report or site forms.	All technical reports and support of submittal of the Final l
22	Utah State Historic Preservation Office	Table 4-1, Column 1, first text cell	Draft HPMP	What is defined as "previously disturbed"?	PacifiCorp has added text to cl 4-1, Column 1 of the final HPM
23	Utah State Historic Preservation Office	Table 4-1, Column 1, 2 <sup>nd</sup> text cell	Draft HPMP	Are these resources to be evaluated if over 50 years old?	PacifiCorp has added text to T years old qualify for processin
24	FERC	2	Exhibit B	On page 1-12, you state that the proposed extended range "would typically only be utilized during the November-to-March timeframe"; however, in Exhibit E, page 3-139, you state that the proposed operation changes would occur "typically between December and March." Please ensure that your FLA is consistent in the timing of your proposed operation changes.	PacifiCorp clarifies that the pro- outside of the irrigation season conditions generally occur dur more narrowly if extremely co- ice damming conditions, or wa runoff and subsequent higher f as the conditions which could and somewhat variable (i.e., 'ty generally only occur during the irrigation season and higher wa (additional detail may also be f 2.2.2) regarding the Proposed of

**ICORP RESPONSE TO COMMENT** tion 5.4 of the final HPMP. tion 4.3 to the final HPMP. section 5.5 of the final HPMP. final HPMP. porting documentation were provided to the SHPO License Application. clarify the meaning of "previously disturbed" to Table PMP. Table 4-1 to clarify that only resources less than 50 ing under this "exemption" criterion. proposed extended operations would only be utilized son and cannot be used during high flows; these uring the November to March timeframe (and even cold temperatures, such as those causing downstream warmer temperatures contributing to low elevation flows, are present). The statements are not inconsistent ld allow for the proposed extended operations are limited 'typically' starting in November or December) but the winter months as they are defined by excluding the water flows. The FLA has been clarified to reflect this e found in Exhibits B (Section 1.3) and E (Section ed Operations).

COMMENT NO.	COMMENTER/ REQUESTER	COMMENT LETTER PAGE	STUDY REPORT OR RESOURCE AREA	STAKEHOLDER COMMENT	PACIFIC
25	FERC	2	Wildlife and Habitat	On page 3-149, you state that the littoral and open water habitat is a type of wetland/waters habitat that is "located adjacent to the reservoir." However, on page 3-148 [page number corrected by PacifiCorp], you state that "[g]iven that much of the reservoir is shallow, a large portion of this open water habitat constitutes the littoral zone." Please clarify in the FLA where in the project reservoir this habitat is located.	In Section 3.3.5.1 (DLA page has been clarified to read "le shallow"
26	FERC	2	Fish and Aquatic, Botanical. Wildlife and Habitat	On page 3-124, you state that "the Cutler shoreline would not be dewatered and exposed to elements" and that proposed operations would "not result in shoreline sediment exposure" due to reservoir level fluctuations being short- term, cyclical, and 2.5 feet or less. However, on page 3-139, you indicate that "proposed operations would potentially decrease the lower WSE [water surface elevation] and increase the amount of exposed reservoir bank and shoreline", and on page 3-149, you state that "littoral and open water habitat has the highest potential to be affected by proposed reservoir operations." In addition, table 3-23 indicates that the proposed extended operations could result in up to 21 percent exposed reservoir shoreline. Please clarify this apparent inconsistency regarding the potential effects of the proposed reservoir operations in the FLA.	Table 3-23 presents the results above in Comment Response I in that the model actually pred reduction in the area of open v of WSE 4,406.0 ft. The 21 per incorrectly and has been rectif Also, as previously stated in C apparent inconsistency betwee reservoir bed including on DL the more accurate term "transi 3-139 and in Table 3-23), base Attachment B of Exhibit E, as current operating WSE ranges have expanded and clarified do the hydraulic model, and how reservoir elevation, particularly As described in detail in the re has certain limitations in the tr the edge of the reservoir. The ra amount and distribution of wh zone" (defined as the shallowed open water). This edit clarifies water does not necessarily tran reservoir shoreline. Rather, it of transition zone from wet reserved exposed but less than 0.4 feet if Comment No. 1, the latter con hydraulic processes, observatio occurred during the 2019 draw To help clarify this change, a ra hydraulic model has been added transition zones along the rese referenced in Section 3.3.5.2, a relevant.
27	FERC	2	Fish and Aquatic	In your analysis on the effects of reservoir drawdowns on benthic macroinvertebrates (BMI) (page 3-124), you indicate that the studies for the peer reviewed articles you relied on as part of your literature research	As noted above in comment re License Application regarding operations, such as those noted

e 3-149) the text "...located adjacent to the reservoir..." .located on the margins of the reservoir where water is

Its of the hydraulic model predictions, and as noted e No. 1, a calculation error was discovered in the table edicted that extended operations could result in less of a water at WSE 4,405.0 ft, compared to the current low ercent difference noted in the DLA was calculated tified in Table 3-23 and associated text.

Comment Response No.1, PacifiCorp notes the een DLA page 3-124 and other references to "exposed" DLA page 3-139, and have clarified the text to include sition zone" in Section 3.3.5.2 (including on DLA page sed on the empirical photographic evidence included in as well as with staff experience with the reservoir at es. Further, relevant portions of the Section 3 text now descriptions regarding the strengths and limitations of w it is expected to differ with empirical observations of rly in the shallower portions of the reservoir.

response to Comment No. 1 above, the hydraulic model transition zones, including the shallower zones along e model is only able to predict the relative change in the what is now defined more accurately as the "transition wer areas between the reservoir banks and the reservoir es the use of the term "exposed" as the change in open anslate directly to an increase or decrease in exposed t could indicate a range of conditions within the ervoir bed sediments, to flooded shallow water (not et in depth). As described above in the response to ondition is considered more probable, based on tions, and photos captured at various WSEs that awdown.

a more detailed explanation of the limitations of the ded to FLA Section 3.3, including its limitations in the servoir shoreline. This description of limitations will be and elsewhere in the FLA where model limitations are

response No. 1, overall, statements made in the <u>Draft</u> <u>ng changes to the reservoir as a result of proposed</u> red in the comment, have been clarified with the addition

COMMENT NO.	COMMENTER/ Requester	COMMENT LETTER PAGE	STUDY REPORT OR RESOURCE AREA	STAKEHOLDER COMMENT	PACIFIC
				focused on the effects of long-term winter drawdowns, primarily with drawdowns greater than 5 meters. As such, you state that because the proposed water surface fluctuations in the Cutler reservoir would be significantly less in magnitude and duration, these studies do not appear to provide an accurate prediction of potential effects of the proposed reservoir drawdowns on BMI at the project. In addition, on page 3-124, you state that "substrate along the shoreline would not be exposed to physical factors described by other studies cited because the Cutler shoreline would not be dewatered and exposed of the elements." As discussed in item 3 above, table 3-23 indicates that proposed operations could potentially cause up to 21 percent of the reservoir shoreline to be exposed. If the literature review studies are not applicable and the shoreline sediment will indeed be exposed during proposed extended operations, please provide further analysis of the potential effects of the shoreline exposure during proposed extended operations on BMI in the project reservoir. This may include using more applicable peer-reviewed studies for comparison, if available, or an estimation of effects based on the difference in magnitude and timing of the proposed reservoir drawdowns when compared to the drawdowns evaluated in the available studies.	of the word 'substantive', or si caveats, the effect of the proper- be substantive, and would be 1 3.3 of the FLA, in previous co Exhibit E, Attachment B. The peer-reviewed studies ind both the ISR and the DLA, and specifically, although they are comments on the ISR, BAS re Roy (2017) that synthesized th the effects of winter reservoir comments, BAS focused in on drawdowns result in water sur and held there for relatively lo fluctuations and prolonged dra operating conditions. Interestin summarized results from studi over shorter durations (days). I reservoir elevation changes in proposed operations, revealed macroinvertebrates, Carmigna short life history cycles with m the effects of inhospitable con- drawdowns. The authors go or oligochaetes and ceratopogoni sediment to inhabit relatively to Regarding FERC's reference t DLA please see the response to
28	FERC	2	Exhibit F	The drawing and text on Exhibit Drawing F-1 titled: "Principal project works location drawing" is not legible and needs to be updated in the FLA.	The reservoir image and assoc License Application has been
29	FERC	2	Exhibit G	All required maps and drawings must conform to the specifications of sections 4.39 and 4.41. As such, please provide the project boundary data in a geo-referenced electronic format (e.g., ArcView shape files, GeoMedia, files, MapInfo files) in your FLA.	PacifiCorp will provide Projec requirements for the final Exh
30	Senator Sandall	1	Comment not part of DLA process	The purpose of my communication is to articulate my support of the Bear River Canal Company's petition to update the measurement of their agricultural water right.	As previously noted, (see resp supports BRCC and its shareh irrigation system upgrades that weirs; however, the company responsible to bear BRCC syst
31	Senator Sandall	2	Comment not part of DLA process	Bear River Canal Company has been using [the State Water Agricultural Optimization Grant program] and has been awarded grants for system improvements which have already been undertaken. They are taking very seriously the stewardship of their water rights through the implementation of	PacifiCorp also values improv in infrastructure that support the disputes that the initial deliver accurate standard; see details p

similarly modified or expanded. However, with those posed operations (fluctuating by 0.3-0.76 m) would not e limited in time and area, as described further in Section comment responses, and as shown on the photos in

dicated were actually referenced by commenters on nd were not relied on for the Cutler analysis re addressed in our various comment responses. In their referenced a peer reviewed article by Carmignani and the results from a number of other published papers on r drawdown on aquatic communities. In their on the impacts to aquatic communities where reservoir urface elevation changes in the range of 3 to 4 meters long periods of time. That range of water level rawdown are not representative of the Cutler proposed tingly, the paper by Carmignani and Roy (2017) also dies where reservoir fluctuations were much smaller and . In fact, Carmignani and Roy (2017) point out that n the range of 0.4 to 0.6 m, ranges similar to Cutler d higher submergent species richness. For nani and Roy (2017) found that chironomids possess multiple generations per year, enabling them to avoid onditions associated with large, prolonged winter on to state that other taxa such as amphipods, nids can physically tolerate freezing and burrow in unaffected substrates.

e to percent of inundation listed in Table 3-23 of the to Comment Nos. 1 and 26 in this table.

Discription of the Final n made more legible.

ect Boundary data that conforms to FERC's chibit G submittal.

sponse to Comment No. 10, above), PacifiCorp also cholders interest in pursuing any BRCC canal or nat it feels are warranted, including new measurement y differs in noting that PacifiCorp should not be ystem upgrade costs.

ovements in water use efficiency, including investments these goals throughout the watershed. PacifiCorp ery of water to BRCC's canal system is metered at a less s provided in comment responses No. 10, 12, and 13.

COMMENT NO.	COMMENTER/ Requester	COMMENT LETTER PAGE	STUDY REPORT OR RESOURCE AREA	STAKEHOLDER COMMENT	PACIFIC
				leading-edge water measurement /automation equipment and economical canal liners and piping. I see the validity of their concerns with them making large investments in cutting-edge technology in downstream sections of the canal system while PacifiCorp's initial delivery of water is metered [to] a much less accurate standard.	
32	Senator Sandall	2	Comment not part of DLA process	I do not feel it is reasonable to expect the current rated channel measurement of the Bear River Canal Company's water right [to] remain acceptable to the State of Utah or its citizens for the duration of the next license period.	Regarding measurement of irri meet or exceed USGS standard in the current and in any future regarding PacifiCorp support f
33	Senator Sandall	2	Comment not part of DLA process	Our area is also developing. As a result, we, as public officials, are more and more concerned about canal safety issues and the effects of water movement in storm events as farm ground is converted to homes. The canal company is going to have to manage its system more precisely and more dynamically in the next license period than it ever has before in order to meet the needs of users' safety. A key to that is an accurate measurement of input water at Cutler Dam.	PacifiCorp also agrees that can undertakes considerable operation operation and delivery capabilit Hammond and West canals wh Agreement. See previous commission fact that water in the canals is meets or exceeds all USGS stat contract, the 1912 Agreement.
34	Senator Sandall	2	Comment not part of DLA process	Bear River Canal Company has submitted cost information that supports that the power company will not bear additional cost over the license period as a result of the implementation of better measurement as it results in less required check measurements. This coupled with the changing needs of the canal company as well as the benefits to society in general by better measurement, I strongly support FERC's inclusion of improved measurement as part of a term of the next license agreement.	PacifiCorp has not seen the no premise of overall cost savings that no such cost savings woul responses No. 10, 12, and 13), standards and the 1912 Agreen nor required by the Agreement

rrigation water deliveries, PacifiCorp will continue to ards and 1912 Agreement requirements going forward, are license periods. See above comment response No. 30 t for BRCC upgrading its system.

canal operational safety is important, and annually ration and maintenance expense in maintaining the safe bility of its canal systems, including the portions of the which PacifiCorp is required to maintain by the 1912 mments (Nos. 10, 12 and 13) that thoroughly address the is accurately measured at Cutler Dam, at a level that standards, as well as the requirements of the controlling nt.

noted cost information and disputes the underlying ags. Further, PacifiCorp has repeatedly stated to BRCC ould exist. Finally, and as noted previously (see comment 8), existing canal measurements meet or exceed USGS eement, upgrades or improvements are neither warranted ent, and are outside of the FERC relicensing process.