

Cutler Project Stakeholder Workshop

October 8, 2019 – Riverwoods Conference Center – Logan, Utah

Workshop Purpose:

- Review the FERC licensing process, PacifiCorp's collaborative process, and where the two processes differ and converge
- Provide clarifications to FERC Scoping Document 2 (SD2), Tables 1 & 2
- Update on the proposed October 25—November 18, 2019 reservoir drawdown
- Review proposed study plans
- Review June workshop and Scoping Document 1 (SD1) comments incorporated into study plans
- Review study plan scope requiring further discussion

Agenda:

- | | |
|------------------|----------------------------------------------------------|
| 1:00 – 1:15 p.m. | Welcome, introductions, and stage setting |
| 1:15 – 1:30 p.m. | FERC relicensing process and PacifiCorp collaborative |
| 1:30 – 2:00 p.m. | FERC SD2, Cutler Reservoir drawdown schedule and purpose |
| 2:00 – 2:20 p.m. | Overview of proposed study plans and associated comments |
| 2:20 – 3:45 p.m. | Breakout groups on proposed study plans of interest |
| 3:45 – 4:00 p.m. | Wrap up and next steps |
| 4:00 p.m. | Adjourn |



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Introductions



Miriam Hugentobler



**River Science Institute,
Inc.**



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FERC Licensing Schedule

Responsible Party	Pre-Filing Milestone	Date	FERC Regulation (18 CFR Part 5)
PacifiCorp	Issue Public Notice for NOI/PAD	3/29/19	5.3(d)(2)
PacifiCorp	File NOI/PAD	3/29/19	5.5, 5.6
FERC	Tribal Consultation Meeting	4/26/19	5.7
FERC	Issue Notice of Commencement of Proceeding and Scoping Document 1	5/28/19	5.8
PacifiCorp	Stakeholder Study Plan Workshop Meeting	6/25/19	N/A
FERC	Scoping Meetings and Project Site Visit	6/26/19 – 6/27/19	5.8(b)(viii)
Stakeholders	File Comments on PAD/Scoping Document 1 and Study Requests	7/29/19	5.9
PacifiCorp	Submit Drawdown Notification to FERC	8/29/2019	N/A
PacifiCorp	File Proposed Study Plan	9/11/19	5.11(a)
FERC	Issue Scoping Document 2	9/13/19	5.10

Responsible Party	Pre-Filing Milestone	Date	FERC Regulation (18 CFR Part 5)
PacifiCorp	Proposed Study Plan Meeting	10/8/19	5.11(e)
PacifiCorp	Drawdown	10/25 – Mid-Nov 2019	N/A
Stakeholders	File Comments on Proposed Study Plan	on or before 12/11/19	5.12
PacifiCorp	File Revised Study Plan	1/10/20	5.13(a)
Stakeholders	File Comments on Revised Study Plan	1/27/20	5.13(b)
FERC	Issue Director's Study Plan Determination	2/10/20	5.13(c)
PacifiCorp	Complete Studies and Study Technical Reports	2020-2021	5.15
PacifiCorp	Submit Draft License Application	Late 2021	5.16
PacifiCorp	Submit Final License Application	March 2022	5.17-5.18
FERC	Issue New Project License	March 2024	



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Scoping Process

FERC’s Scoping Process is meant to “define and refine” the scope of the future environmental assessment (EA) or environmental impact statement (EIS).

SD1 and SD2 (the update to SD1) describe:

- What PacifiCorp is proposing and any alternatives
- Process and outline FERC will follow to prepare an environmental analysis
- A revised list of issues to be addressed in the EA (updated from SD1).





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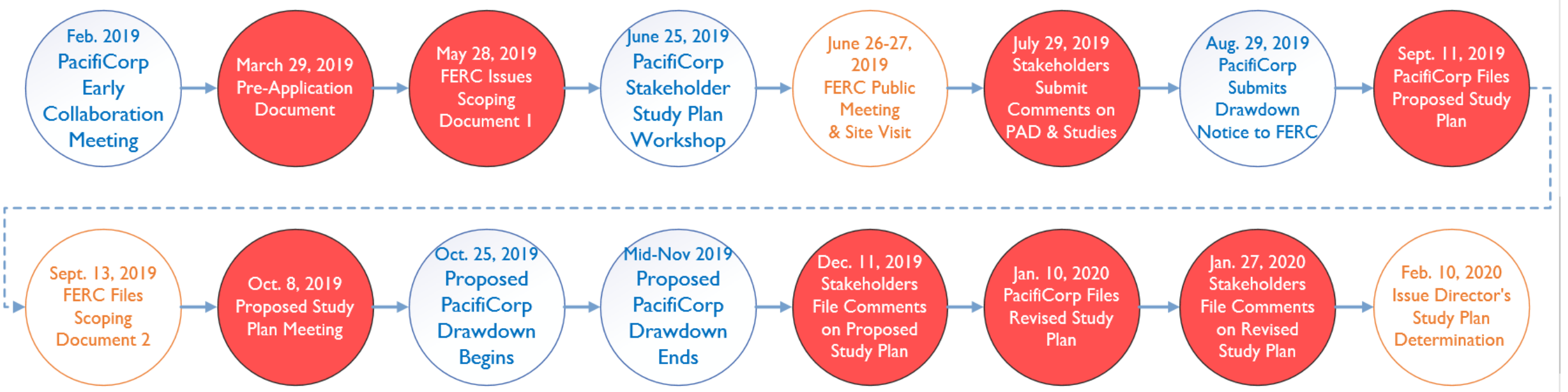
Bigger Picture





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Study Plan Development





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February Kickoff Workshop

- February 13, 2019: Riverwoods Conference Center, Logan, Utah
- Approximately 50 attendees
- Presentation on the Cutler Project and the FERC relicensing process
- Breakout sessions focused on the following topics:
 - FERC relicensing process overview and discussion
 - Project operation overview and discussion
 - Collaboration overview and discussion
 - Property maps and specific property questions
 - Studies overview and discussion



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June Workshop

- June 25, 2019: Riverwoods Conference Center, Logan, Utah
- Approximately 24 attendees
- Introduced PacifiCorp study plans and provided overview of FERC Scoping Meeting and Site Visit
- Study Plan Presentations
 - Overview of key issues associated with respective study plans
 - Round robin sessions focused on eight resource study plans
 - Study Plan authors presented annotated outline of resource study plans
 - Stakeholders provided input on study plan annotated outline posters



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October Workshop

- October 8, 2019: Riverwoods Conference Center, Logan, Utah
- Present proposed study plans
- Study plan presentations
 - Overview of respective study plans and incorporation of stakeholder comments
 - Break-out sessions soliciting input on resource study plans
 - Cutler Reservoir drawdown schedule and rationale
 - Review FERC licensing process and upcoming deadlines for stakeholder comments



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Cutler Licensing Website

<https://www.pacificorp.com/energy/hydro/cutler.html>



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Table 1 (corrected): Cutler Reservoir elevations in FERC license.

TIME PERIOD	NORMAL RESERVOIR OPERATING RANGE (FEET)	TOLERANCE (FEET)	TOTAL RANGE (OPERATING + TOLERANCE)	TARGET PERCENTAGE
March 1 – Dec. 1	4,407.5 to 4,406.5	±.25	1.5 feet	95%
Dec. 2 – Feb. 28	4,407.5 to 4,406.0	+.25, -0.5	2.25 feet	90%



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Proposed Reservoir Elevation *Evaluation* Range

PERIOD	ELEVATION EVALUATION RANGE*	TOLERANCE (FEET)	TARGET PERCENTAGE
January 1 – December 31	4,407.5 – 4,395.0	± 0.5 (+0.5 @ 4,408.0) (-0.5 @ 4,394.5)	90%

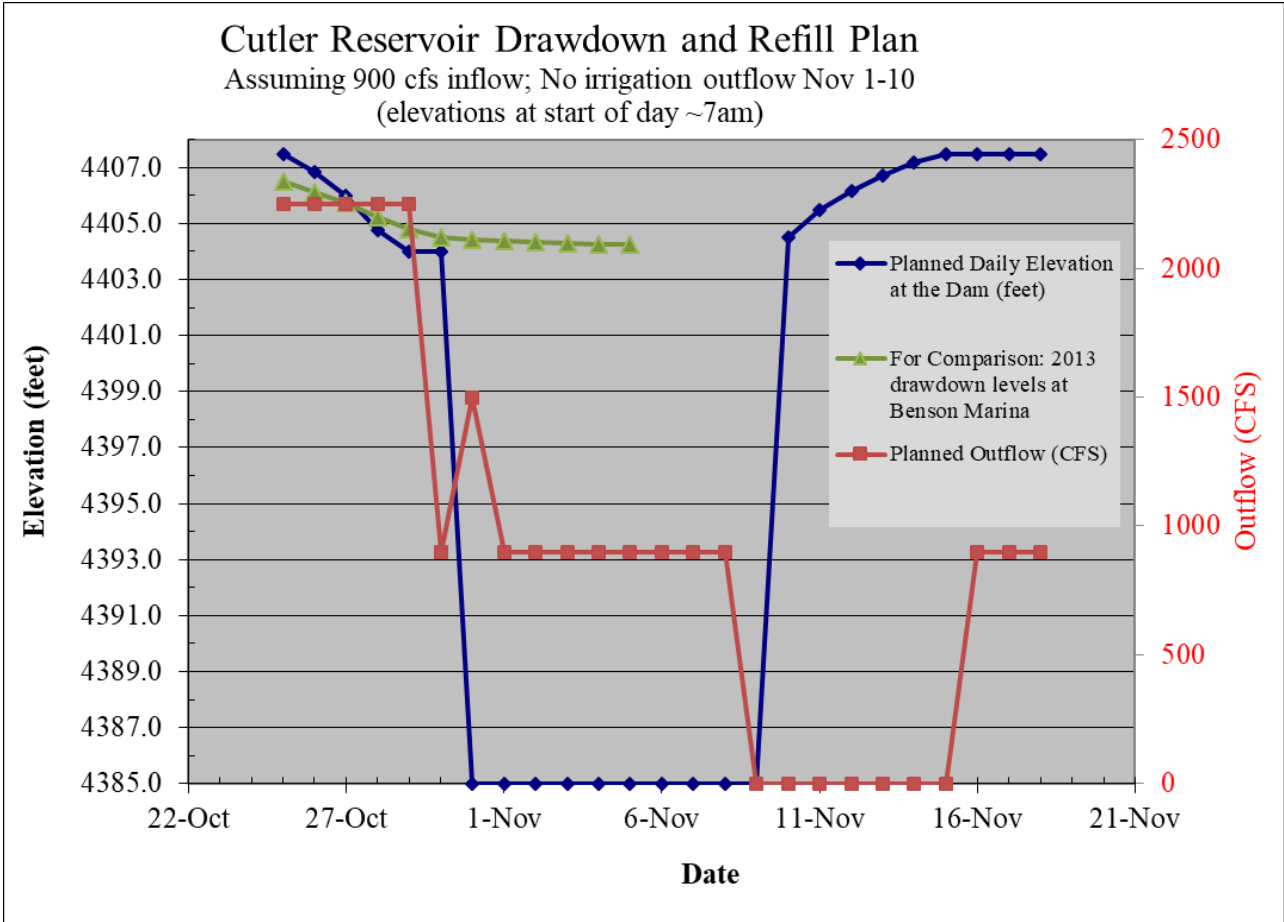
*Table 2 in SD2 called this column “Operation Range,” which may have added some confusion.

- Why is this clarification important?



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Proposed Reservoir Drawdown Schedule and Rationale





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Study Plan Input

February 13, 2019 Workshop

- Stakeholder input on resource issues
- Studies overview and discussion

June 25, 2019 Workshop

- Present annotated study plans
- Record stakeholder comments
- Modify study plans based on stakeholder comments

Comment Period

- Review stakeholder study requests and study plan comments
- Modify study plans based on stakeholder comments

October 8, 2019 PacifiCorp Proposed Study Plan Workshop

- Present proposed study plans
- Document stakeholder comments
- Modify study plans based on stakeholder comments and FERC study plan criteria



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PacifiCorp Proposed Study Plans

1. Hydraulic Modeling
2. Sedimentation
3. Water Quality
4. Fish and Aquatic
(including benthic macroinvertebrates.
and mussels)
5. Shoreline Habitat Characterization
6. Threatened and Endangered Species (Ute
ladies'-tresses orchid)
7. Cultural Resources
8. Recreation
9. Land Use



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Study plan comments should consider these items:

- Explain the need for additional information beyond what is included in the proposed study plan
- Identify the nexus to project operations and effects
- Explain how the additional information will inform the development of license conditions

* *See FERC Study Request Criteria (18 CFR § 5.9)*



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Requested Studies Not Adopted

Section 5 in proposed study plan

- Aquatic weeds and algae study request
- Fish entrainment / fish ladder study
- Study to consider how reductions in the Bear River flows as a function of climate change and warmer air temperatures would impact hydropower generation
- Study of methane emission from Cutler and make it clear that the Project is not considered an "emission-free" power source
- Analysis of the socioeconomic impacts of the Project
- Model the Bear River system to include Bear Lake and the hydro plants downstream
- Temporal and spatial characteristics of the avian community
- Study of the effects associated with winter ramping and the effects on bank erosion and water quality



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Study Plan Breakouts

- Five stations - 10 minutes each
 - Hydraulic Modeling and Sedimentation
 - Land Use and Recreation
 - Cultural and Threatened and Endangered Species
 - Fish/ Aquatic, Shoreline Habitat, and Water Quality
 - Cutler Reservoir proposed drawdown schedule
- Authors summarize study plan and comments
- Stakeholders provide comments on the proposed study plan
- After completing all five stations, free to return to stations for more detailed discussions.



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Wrap Up & Next Steps

- Review workshop outcomes
- Next steps
- Cutlerlicense@gmail.com

<https://www.pacificorp.com/energy/hydro/cutler.html>