



BAKER RIVER PROJECT RELICENSE

Economics/Operations Working Group

May 7, 2003

9:00 a.m. – 2:00 p.m. Cotton Tree Inn Mt. Vernon, WA

FINAL MEETING NOTES

The Economics Working Group Mission Statement:

"To ensure that alternative project proposals, operations and emergency plans for the Baker River Project and its components provide for: (1) Public health and safety; and (2) Thorough analysis and evaluation of the economic costs and benefits (including non-market and economic impacts.)"

Team Leader: Lloyd Pernela (PSE), 425-462-3507; lloyd.pernela@pse.com

Note: Please let the team leader know if you are unable to attend a meeting. If something comes up at the last minute, please call Lyn prior to the meeting. Lyn's cell phone is 425-890-3613.

PRESENT

Lloyd Pernela and Paul Wetherbee (PSE), Linda Lehman, Steve Hocking, and Keith Brooks (FERC) by phone, Bob Helton (interested citizen), Chuck Howard (Independent consultant) by phone, Ken Brettmann (USACE), Stan Walsh (Skagit Systems Cooperative), Dave Brookings (Skagit County Public Works Department), Gary Sprague (WA Dept. Fish & Wildlife), Chuck Steele (WA Dept. of Ecology), Margaret Beilharz (USFS) on phone, Mark Killgore (Louis-Berger Group) by phone, Mary Jean Bullock, note-taker, and Lyn Wiltse, facilitator (PDSA Consulting Inc.)

The next CROSS RESOURCE WORKSHOP MEETING will be MAY 14, 8:00 – 5:00 at the EMBASSY SUITES in LYNNWOOD. Please notify Connie Freeland (425-462-3556) if you have not yet confirmed your participation.

DATES OF FUTURE MEETING DATES/LOCATION

June 11, July 9, August 13, September 10, October 8, November 12, December 10, 2003 at PSE Office, 1700 East College Way, Mt. Vernon.

AGENDA

May 7, 2003 at Mt. Vernon, WA

9:00 to 2:00 PM

- 9:00 9:05 Introductions
- 9:05 9:10 Review/revise minutes and agenda
- 9:10 10:00 HYDROPS demo and TST Report
- 10:10 10:15 Review Action Items
- 10:15 10:20 Prep for May 14 Cross Resource Workshop
- 10:20 10:35 PDEA Update
- 10:35 11:00 Status of PMEs
 - Status of 5.01: CZMA, 5.02: Instream Flows and Water Rights, 5.03: Submerged Lands, 5.07 Drought conditions
- 11:00 12:00 5.06: Flood Control (management)
- 12:00 12:15 Break/Lunch
- 12:30 1:00 Review Study Requests
 - R-01 –Low Flow Augmentation from Baker Project Continuing discussion
 - R-03 –Examination of Spawning and Incubation Flows in the Skagit River below the Baker Confluence during Brood year 2000
- 1:00 1:10 Set June 11, 2003 agenda (at PSE Office in Mt. Vernon at USFS)
- 1:10-1:15 Evaluate Meeting
 - What's hot?
 - Studies report for Baker Solution Team

NEW ACTION ITEMS

- Lloyd: Set up presentations on how PSE operates/traders and planners, etc for June/July timeframe.
- Lloyd: Set up a presentation on PSE Least Cost Plan with planner(s).
- Dave: By May 10 send to Lloyd a summary of what is decided between the Corps and Skagit County at the May 9th meeting so he can distribute to Working Group members. Also send, if appropriate, a revised flood control study request for discussion at our June 11th meeting.
- ALL: Review PDEA to see that issues have been adequately identified and that the affected environment has been adequately described. Give feedback to Mark Kilgore prior to our June 11 meeting.
- Lloyd: Invite Paul to do a more in depth demo of HYDROPS from 1:00 to 2:00 at the end of our June 11 meeting.

INTRODUCTIONS

We welcomed Chuck Steele of DOE, sitting in for Rod Sakrison.

HYDROPS DEMO AND TECHNICAL SCENARIO TEAMLET REPORT

Paul distributed the Specification Matrix developed in the USFS review of HYDROPS (Revised by Stetson on January 13, 2003 and Comments by PSE/Powel on January 24, 2003.) He also distributed the updated version of the Technical Scenario Teamlet (TST) Functional Flow Diagram (Version 2.0 –May 7, 2003) and the Discussion of Recent Conditions (PRE-Interim Protection Plan) which was revised based on a 4/25 TST discussion.

Paul reported that currently 85-90% of the programming for the model has been done. Programming to allow for multi-year runs (a recent request for additional capability in the model) is still under way. Paul said he anticipated receiving the final beta version of the model for additional testing May 7, 2003.

The HYDROPS Demonstration involved three areas: 1. Set up – Descriptions of Input Screens, Output Screen available in Reports; 2. Runs; 3. Review output. The operator can set hard and soft constraints for desired runs. The TST is developing standardized input/output for model runs.

The TST has already met several times since its inception a month ago. One of their next major tasks will be establishing default ranking of soft constraints to be used for comparative purposes. Paul reported that the May 9th TST meeting will be cancelled so he can concentrate on ensuring that the software is complete and ready for our purposes.

PSE anticipates the model should be beta tested and completely operational by the end of May! Starting in June, let Paul know if you would like to schedule some time with the model at PSE offices in Bellevue.

5.06 FLOOD CONTROL

Dave reported that the May 2nd Skagit Flood Control Executive Committee meeting was cancelled. Another meeting has been scheduled for May 8th with policy level folks of Skagit County and the USACE to discuss the issue of flood control including at Baker Project.

At the last Solution Team meeting, it was agreed that PSE is not a flood control management entity and that the responsibility for this lies with the Corp of Engineers.

Lloyd distributed a copy of the USACE proposed article 32. Status quo calls for a 16,000 acre feet base and 58,000 additional for a total of 74,000 acre feet. There is flexibility at the direction of the District Engineer to go to 100,000 acre-feet and modify the reservoir rule curve, if a cost-benefit analysis so indicates. The USACE proposes that this article be included in the new license. Skagit County may present its own draft for our consideration. The issue of compensation needs to be worked out between PSE and the USACE. FERC is neutral on this, as long as the current flood storage occurs.

The role of FERC and the USACE around in possibly increasing flood control at Baker Project should become clearer in the next few couple of months.

In the meantime, Skagit County is embarking on a serious study effort of this issue. Dave reported that they would like to integrate this effort into this re-licensing process to the extent possible. This schedule is extremely tight. They have retained a specialist attorney, Craig Gannett {Davis Wright Tremaine}. Dave will send his contact information to Keith Brooks. The status of Skagit County's Study Request on flood control will be determined at our June meeting.

ENERGY VALUES

Lloyd showed a copy of PSE's Draft Least Cost Plan. The final version of this document is available on www.PSE.com/account/rates/rates.html. This plan was put together by PSE for the WUTC. It covers both the gas and electric side of PSE's business, looking at short, medium and long term forecasts, supply technologies, etc.

Currently Hydro constitutes 40% of PSE's energy supply. Baker represents 10% of that Hydro.

PSE is looking at acquiring a couple of combustion turbines to add to their portfolio. Their existing portfolio is 2,300 megawatts. They estimate the energy demand to increase by about 1.4% a year. Lloyd distributed a graph showing the Aurora Market Power Price Forecast (dated March 31, 2003) for the Least Cost Plan.

The Least Cost Plan developed PSE's projected peak and off peak power values *that may vary by month*. Lloyd indicated that PSE would use these specific power values in the economic analysis leading to preferred alternative.

Mark reported those numbers are very consistent with FERC's mandated approach for doing the economic analysis. He also stated that the Least Cost Plan will be a significant reference for Exhibit H of the license.

Lloyd explained that the Plan also reflects PSE policy to consider alternative energy sources (e.g., wind) and conservation.

REPORT ON OLD ACTION ITEMS

- ☑ Lloyd: Gave Dave B. contact information for those who should receive PIE flood control report.
- ☑ Lloyd: Distributed PIE report to Working Group members.
- ☑ Lloyd/Mark: Drafted drought PME and distributed to Working Group members to review.
- ☑ Paul: Emailed out handout on Aquatics Working Group Run Requests to team members.
- ☑ Lyn: Added time frames to May 7 agenda.
- \square All: Study A-24 review period was extended to May 22^{nd} . Comments to Sue Madsen at R2.

PREPARATION FOR MAY 14 CROSS RESOURCE WORKSHOP

Paul agreed to present changes made in the PME since the initial draft proposed actions at the May 14 workshop. The morning of the workshop will be devoted to these updates from each of the resource working Groups. The afternoon will be devoted to discussing how to resolve apparent cross-resource conflicts.

PDEA UPDATE

Mark reported that the initial, partial PDEA was sent out for review last week. Much of the analysis from the HYDROPS runs will be included in the fall version of the PDEA, along with the economics, assuming runs are available in June.

PMEs

5.01 CZMA

This is not an actual PME. It is a checklist of what needs to be done. We will revisit this over time.

5.02 INSTREAM FLOWS/WATER RIGHTS

The legality of this is currently being debated in external forums. We will discuss this topic at future meeting(s). It will probably not be a PME. R-E01- Low Flow Augmentation from Baker Project.

5.03 SUBMERGED LANDS

Lloyd reported that we are waiting for DNR in Olympia to engage in discussions on this. There remain questions about ownership of the Baker riverbed and Baker lakebed and associated NPR fees. This is a

requirement of the licensee to control *{own or have secured perpetual easements}* the inundated *lands* and other lands *within the project boundary*. Consequently this will not be a PME.

5.07 DROUGHT CONDITIONS

Mark put together a white paper on the issue of dependable capacity, which kicks in during drought conditions. It has been distributed to the TST members for review. We will get an update at our June meeting. If, after it is discussed at the next TST meeting, it is deemed appropriate, this paper (as revised by the TST) will be distributed to this Working Group. The sense is that a drought PME is not needed.

STUDY REQUESTS

ER03-SPAWNING AND INCUBATION FLOWS

This is a complex issue that will affect Operations. We are most concerned about Skagit River flows. The Baker project has limited influence on these. Stan sees this Study Request as having relevance in both this Working Group and the Aquatics Working Group. He will bring it up for discussion at the May 8, Aquatics Working Group meeting and we will discuss its status at our June 11 meeting.

HANDOUTS (bolded handouts will be posted on the website)

- Specification for Operations Model to be Used in Baker Project Re-licensing and Current Capability of HYDROPS to Meet the Specification (Revised by Stetson on January 13, 2003- Comments by PSE/Powel on January 24, 2003.
- Technical Scenario Teamlet (TST) Functional Flow Diagram (Version 2.0- 05-07-03)
- Discussion Recent Conditions (Pre-Interim Protection Plan). Revised based on 4/25-teamlet discussion.
- USACE DRAFT- November 19, 2002 Article 32
- PSE Hydroelectric Reports: FERC Form 1 for years 1997-2002
- Aurora Market Power Price Forecast- Source: Draft Least Cost Plan, March 31, 2003
- RE03- Baker River Project Re-licensing Study Request

PARKING LOT

- New Baker EAP Inundation maps are available at end October 2002
- Consider who will be the number cruncher for this team: PSE? Other?
- Presentations:

USFS Baker Watershed Analysis

Wild and scenic river 101 Jon Vanderheyden

Fisheries/Hydraulics 102

FEMA

• How will we define and share economic analysis (methods, assumptions re: unit costs, etc.) across Working Groups?

EVALUATION OF THE MEETING

Well Done

- Lunch was outstanding!
- Meeting was well run
- FERC participation
- Finished early

Change for Next Time

- Needed more time for HYDROPS discussion
- Better phone technology?

What's Hot?

- Flood control
- Getting draft fall EA out with proper content
- 11 months ...and counting!

Study Report for Solution Team

• Flood Control and Spawning Incubation Flow Study Requests on hold until our June 11 meeting.

TENTATIVE AGENDA FOR NEXT MEETING

June 11, 2003 at PSE Office, Mt. Vernon, WA 9:00 to 2:00 PM

9.00 -	9.05	Introductions
9 ()() -	· 9 (J.)	Introductions

- 9:05 9:10 Review/revise minutes and agenda
- 9:10 9:15 Review Action Items
- 9:15 9:35 HYDROPS and TST Update
- 9:35 9:50 Debrief of May 14 Cross Resource Workshop: Next steps
- 9:50 10:15 Role of this Working Group
- 10:15 10:30 PDEA Update
- 10:30 10:45 Status of PMEs

5.01: CZMA, 5.02: Instream Flows and Water Rights, 5.03: Submerged Lands.

- 10:45 11:00 Break
- 11:15 11:45 PME 5.06: Flood control (COE proposal and current Article 32)

Update on USACE/Skagit County flood coordination and integration into this process? R-E02 Skagit County Flood Control Study Request

- 11:45 12:15 Review Study Requests:
 - R-E01 –Low Flow Augmentation from Baker Project Continuing discussion
 - R-E03 –Examination of Spawning and Incubation Flows in the Skagit River below the Baker Confluence from 1990 to present.
- 12:15 12:30 Lunch
- 12:30-12:45 Update on dependable capacity.
- 12:45 12:50 Set July 9, 2003 agenda (at Mt. Vernon or at the USFS in Mountlake.)
- 12:50 1:00 Evaluate Meeting
 - What's Hot?
 - Studies Report for Baker Solution Team
- 1:00 2:00+ HYDROPS Demo (for those who are interested)

Name of Respondent Puget Sound Energy, Inc.	This Report Is: (1) [x] An Original (2) [] A Resubmission	Date of Report (Mo Da Yr) 04/30/98	Year of Report Dec. 31, 1997	
HYDROELECTR	C GENERATING PLANT STATISTICS (Large			

- 1. Large plants are hydro plants of 10,000 Kw or more of installed capacity (name plate ratings).
- 2. If any plant is leased, operated under a license from the Federal Energy Regulatory Commission, or operated as a joint generating plant, report on line 11 the approximate average facility, indicate such facts in a footnote. If licensed project, number of employees assignable to each plant.
- 3. If net peak demand for 60 minutes is not available, give that which is available, specifying period.
- 4. If a group of employees attends more than one

give	project number.		I 11 15 11 8474
Line No.	(A)	FERC Licensed Project No. 2150 Plant Name: LOWER BAKER (b)	FERC Licensed Project No. 2150 Plant Name: UPPER BAKER (c)
1	Kind of Plant (Run-of-River or Storage)	Storage	Storage
2	Type of Plant Construction (Conventional or Outdoor)	Conventional	Conventional
3	Year Originally Constructed	1925	1959
4	Year Last Unit was Installed	1960	1959
5	Total installed Capacity (Generator Name Plate Rating in MW)	71.40	90.70
6	Net Peak Demand on Plant-Negawatts (60 minutes)	71	103
7	Plant Hours Connected to Load	7,730	7,828
8	Net Plant Capability (In megawatts)		
9	(a) Under the Most Favorable Oper. Conditions	71	103
10	(b) Under the Most Adverse Oper. Conditions	71	103
11	Average Number of Employees	10	11
12	Net Generation, Exclusive of Plant Use-KMh	475,857,440	395,741,740
13	Cost of Plant:		
14	Land and Land Rights	\$521,202	\$1,262,830
15	Structures and Improvements	2,507,000	3,934,187
16	Reservoirs, Dams, and Waterways	10,340,696	42,757,975
17	Equipment Costs	4,847,815	10,832,574
18	Roads, Railroads, and Bridges	66,170	621,210
19	TOTAL Cost (Enter Total of lines 14 thru 18)	\$18,282,883	\$59,408,776
20	Cost per KW of Installed Capacity (Line 5)	\$256.0627	\$655.0030
21	Production Expenses:		
22	Operation Supervision and Engineering	65,853	103,571
23	Water for Power Free	1,665	1,609
24	Hydraulic Expenses	190,430	326,797
25	Electric Expenses of the	91,961	118,209
26	Misc. Hydraulic Power Generation Expenses 1974: 975	the state of the s	69,872
	Rents		
	Maintenance Supervision and Engineering	52,993	42,684
Ь—	Maintenance of Structures	45,332	12,550
	Maintenance of Reservoirs, Dams, and Waterways	18,078	279,130
	Maintenance of Electric Plant	47,894	87,878
32	Maintenance of Misc. Mydraulic Plant	121,514	184,517
33	Total Production Expenses (Total lines 22 thru 32)	\$822,834	\$1,226,817
	Expenses per net Kuh	\$0.0017	\$0.0031

Nan	ne of Respondent	This Report I	S:	Date of Report	Year of Re	port
Pug	get Sound Energy, Inc.	(1) [X] An ((2)	onginai esubmission	(Mo, Da, Yr) 04/30/1999	Dec. 31,	1998 -
	HYDROEL	ECTRIC GENE	RATING PLANT STA	TISTICS (Large Plan	ts)	
2. If a foo 3. If	arge plants are hydro plants of 10,000 Kw or more of any plant is leased, operated under a license from tnote. If licensed project, give project number, net peak demand for 60 minutes is not available, g a group of employees attends more than one gene	the Federal En	ergy Regulatory Comr is available specifying	mission, or operated period.		
plai						
Line	The second secon		IFFDO Licensed Brei		FEDO Lissand Davis	111- 0170
No.	Item		FERC Licensed Proje		FERC Licensed Project Plant Name: UPPER I	
	(a)			b)	(c)	SMILK
	Kind of Plant (Run-of-River or Storage)			Storage		Storag
	Plant Construction type (Conventional or Outdoor)		Conventional		
	Year Originally Constructed			1925		
	Year Last Unit was Installed			1960		_
	Total installed cap (Gen name plate Rating in MW			71.40		
	Net Peak Demand on Plant-Megawatts (60 minute	es)		72		
	Plant Hours Connect to Load			5,887		
	Net Plant Capability (in megawatts)			0		
	(a) Under Most Favorable Oper Conditions		·	71		
	(b) Under the Most Adverse Oper Conditions			71		
	Average Number of Employees Net Generation, Exclusive of Plant Use - Kwh			9		
	Cost of Plant			339,178,240		
14	Land and Land Rights	•		500.457		
15	Structures and Improvements			698,457		
				2,509,570		
17	Equipment Costs	·		10,241,899		
18	Roads, Railroads, and Bridges			4,909,769 66,170		
19	TOTAL cost (Total of 14 thru 18)			18,425,865		
20	Cost per KW of Installed Capacity (line 5)			258.0653		
21	Production Expenses			230.0033		
22	Operation Supervision and Engineering		· · · · · · · · · · · · · · · · · · ·	54,711		201,907
23	Water for Power			1,671		1,604
24	Hydraulic Expenses			182,061		532,039
25	Electric Expenses			113,948		178,709
26	Misc Hydraulic Power Generation Expenses			255,269		123,957
27	Rents			0		0
28	Maintenance Supervision and Engineering			42,462		28,626
29	Maintenance of Structures			47,667		
30	Maintenance of Reservoirs, Dams, and Waterway	/s		155,749		
31	Maintenance of Electric Plant			71,810	-	
32	Maintenance of Misc Hydraulic Plant			115,020		
33	Total Production Expenses (total 22 thru 32)			1,040,368		
34	Expenses per net KWh			0.0031		
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				Date of Report	Voer of	Report
Nam	e of Respondent	This Report	s: Original	(Mo, Da, Yr)	ļ.	
Puge	et Sound Energy, Inc.	(2) HAR	esubmission	04/30/2000	Dec. 31	1999
	HYDROEL	ECTRIC GENE	RATING PLANT STAT	ISTICS (Large Plan	ts)	
Lla	rge plants are hydro plants of 10,000 Kw or more				<u> </u>	
t. Las ≳. Ifa	any plant is leased, operated under a license from	the Federal Er	nergy Regulatory Comm	ission, or operated a	as a joint facility, ind	licate such facts in
	note. If licensed project, give project number.		•			
. If r	net peak demand for 60 minutes is not available, g	ive that which	is available specifying p	eriod.		
	group of employees attends more than one gene	rating plan, rep	port on line 11 the appro	ximate average nur	nber of employees a	issignable to each
ylant.						
Line	ftem		FERC Licensed Project	t No. 2150	FERC Licensed Pro	ect No. 2150
No.			Plant Name: LOWER	J J	Plant Name: UPPE	R BAKER
	(a)		(b)		(c)	
	Mind of Disab (Days of Disasses Steeres)			Ctorogo		Cto
	Kind of Plant (Run-of-River or Storage)			Storage		Storage
	Plant Construction type (Conventional or Outdoor)		1925		Conventional
	Year Originally Constructed		 	1960		1959 1959
	Year Last Unit was Installed	-	 	71.40		90.70
$\overline{}$	Total installed cap (Gen name plate Rating in MV			71.40	/	106
	Net Peak Demand on Plant-Megawatts (60 minut Plant Hours Connect to Load	es)		7,607		6,572
_	Net Plant Capability (in megawatts)			0		0,572
$\overline{}$	(a) Under Most Favorable Oper Conditions		 	71		103
	(b) Under the Most Adverse Oper Conditions			71		103
$\overline{}$	Average Number of Employees		 	11	· · · · · · · · · · · · · · · · · · ·	3
	Net Generation, Exclusive of Plant Use - Kwh			480,930,600		445,139,560
	Cost of Plant		1	0		0
14	Land and Land Rights			698,457		1,262,830
15	Structures and Improvements			2,773,786		4,437,423
16	Reservoirs, Dams, and Waterways			10,311,760		44,390,157
	Equipment Costs			5,794,012		11,282,103
18	Roads, Railroads, and Bridges			66,170		645,095
19	TOTAL cost (Total of 14 thru 18)			19,644,185		62,017,608
20	Cost per KW of Installed Capacity (line 5)			275.1286		683.7664
\rightarrow	Production Expenses			0		420.040
-22	Operation Supervision and Engineering Water for Power		ļ	50,244		136,242
_	Hydraulic Expenses		ļ	217,241		731,419
\dashv			<u> </u>	144,025		151,428
	Electric Expenses Misc Hydraulic Power Generation Expenses		 	487,129		171,600
-	Rents		 	407,129		0
	Maintenance Supervision and Engineering		 	11,114		37,216
-	Maintenance of Structures		 	124,473		141,774
-	Maintenance of Reservoirs, Dams, and Waterwa	ly\$		109,159		34,098
	Maintenance of Electric Plant			54,711		28,009
	Maintenance of Misc Hydraulic Plant			186,850		339,068
	Total Production Expenses (total 22 thru 32)			1,384,946		1,770,854
	Expenses per net KWh			0.0029		0.0040
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Nam	ne of Respondent	This Rep	ort Is:	Date of Report	t [Year of Report
Pug	et Sound Energy, Inc.		An Öriginal A Resubmission	(Mo, Da, Yr) 04/30/2001	-	Dec. 31, 2000
	HYDROEI		ENERATING PLANT STAT	L	nte)	
	arge plants are hydro plants of 10,000 Kw or more any plant is leased, operated under a license from				as a ioint	facility, indicate such facts in
	tnote. If licensed project, give project number.		,,		,	,,
	net peak demand for 60 minutes is not available, g					
	If a group of employees attends more than one generating plan, report on line 11 the approximate average number of employees assignable to each					
lant.						
ine	Item		FERC Licensed Proje	ect No. 2150	FERC Lie	censed Project No. 2150
No.			Plant Name: LOWER	RBAKER	Plant Nar	me: UPPER BAKER
	(a))		(c)
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_						
	Kind of Plant (Run-of-River or Storage)			Storage		Storage
	Plant Construction type (Conventional or Outdoor)		Conventional		Conventional
_	Year Originally Constructed			1925	-	1959
_	Year Last Unit was Installed			1960		1959
	Total installed cap (Gen name plate Rating in MV			71.40		90.70
_	Net Peak Demand on Plant-Megawatts (60 minut	es)		72		106
_	Plant Hours Connect to Load			6,746		3,710
$\overline{}$	Net Plant Capability (in megawatts)					
_	(a) Under Most Favorable Oper Conditions			71		103
$\overline{}$	(b) Under the Most Adverse Oper Conditions			71		103
_	Average Number of Employees			11		3
$\overline{}$	Net Generation, Exclusive of Plant Use - Kwh Cost of Plant			349,677,400		330,346,130
14	Land and Land Rights			698,457		1,262,830
$\overline{}$				2,760,594		
$\overline{}$	Reservoirs, Dams, and Waterways			10.942.388		4,476,130 44,394,578
17	Equipment Costs			5,832,430		11,231,254
18	Roads, Railroads, and Bridges			66,169		645,095
19	TOTAL cost (Total of 14 thru 18)			20,300,038		62,009,867
20	Cost per KW of Installed Capacity (line 5)					3-43-34-3-1
	Production Expenses					
22	Operation Supervision and Engineering			123,601		117,844
23	Water for Power			0		0
24	Hydraulic Expenses			209,777		904,587
25	Electric Expenses			181,576		143,394
26	Misc Hydraulic Power Generation Expenses			351,921		116,086
27	Rents			0		0
28	Maintenance Supervision and Engineering			20,931		32,193
29	Maintenance of Structures			164,361		122,698
30	Maintenance of Reservoirs, Dams, and Waterwa	ys		86,891		66,634
31	Maintenance of Electric Plant			138,820		67,358
32	Maintenance of Misc Hydraulic Plant			320,047		324,007
33				1,597,925		1,894,801
34	Expenses per net KWh			0.0046		0.0057
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	e of Respondent	This Report Is	s: Orioinal	Date of Report (Mo, Da, Yr)	Year of	Report
Puge	et Sound Energy, Inc.		esubmission	04/30/2002	Dec. 31	2001
	HYDROEL	ECTRIC GENE	RATING PLANT STATI	STICS (Large Plan	ts)	
If a footi	rge plants are hydro plants of 10,000 Kw or more only plant is leased, operated under a license from note. If licensed project, give project number, net peak demand for 60 minutes is not available, go a group of employees attends more than one general	the Federal En	ergy Regulatory Commiss available specifying po	ssion, or operated a		
ine	Item		FERC Licensed Project		FERC Licensed Pro	
No.	(2)		Plant Name: LOWER		Plant Name: UPPE (c)	R BAKER
	(a)		(б)		(6)	
1	Kind of Plant (Run-of-River or Storage)			Storage		Storage
2	Plant Construction type (Conventional or Outdoor	r)		Conventional		Conventional
3	Year Originally Constructed			1925		1959
4	Year Last Unit was Installed			1960		1959
5	Total installed cap (Gen name plate Rating in MV	V)		71.40		90.70
6	Net Peak Demand on Plant-Megawatts (60 minut	les)		77		108
7	Plant Hours Connect to Load			6,746		3,710
8	Net Plant Capability (in megawatts)					
9	(a) Under Most Favorable Oper Conditions			71	- done in the second	103
10				71		103
_	Average Number of Employees			11		3
_	Net Generation, Exclusive of Plant Use - Kwh			233,138,380		296,812,324
_	Cost of Plant					
_	Land and Land Rights			698,457		1,262,830
-	Structures and Improvements			2,788,967		4,740,324
	Reservoirs, Dams, and Waterways			12,648,620		44,411,264
17				13,392,656		11,259,771
_	Roads, Railroads, and Bridges TOTAL cost (Total of 14 thru 18)			66,169 29,594,869		645,095 62,319,284
20				414.4940		687.0924
	Production Expenses			414.4540	distribution of	007.0324
	Operation Supervision and Engineering		The second secon	146,042	and the state of t	72,058
				0		0
	Hydraulic Expenses			134,232		478,517
25				164,260	The second secon	145,995
26	Misc Hydraulic Power Generation Expenses			486,474		149,470
27	Rents			0		0
28	Maintenance Supervision and Engineering			23,663		9,186
29	Maintenance of Structures			97,453		63,997
30	Maintenance of Reservoirs, Dams, and Waterwa	iys		28,823		126,942
31				47,743		33,473
32	Maintenance of Misc Hydraulic Plant			83,480		173,395
33				1,212,170		1,253,033
34	Expenses per net KWh	·		0.0052		0.0042
			1		[

Name	of Respondent	This Report Is:		Date of Report	Year of	Report
,	t Sound Energy Inc	(1) X An Oi (2) A Res	riginal submission	(Mo, Da, Yr) 04/30/2003	Dec. 3	1, _2002
	HYDROELEC	CTRIC GENER	RATING PLANT STAT	STICS (Large Plan	ts)	
2. If a footi	rge plants are hydro plants of 10,000 Kw or more of any plant is leased, operated under a license from the note. If licensed project, give project number. net peak demand for 60 minutes is not available, give a group of employees attends more than one general	ne Federal Ene re that which is	rgy Regulatory Comm available specifying p	ission, or operated a eriod.		
Line No.	Item (a)		FERC Licensed Project Plant Name: LOWER (b)	BAKER	FERC Licensed Pr Plant Name: UPP (c)	
				2		<u> </u>
	Kind of Plant (Run-of-River or Storage)	Manager :		Storage Conventional		Storage
	Plant Construction type (Conventional or Outdoor)			Conventional 1925	1000	1959
_	Year Originally Constructed Year Last Unit was Installed			1960		1959
-	Total installed cap (Gen name plate Rating in MW)			79.00		90.70
	Net Peak Demand on Plant-Megawatts (60 minutes			79		100
	Plant Hours Connect to Load	-		6,746		3,710
8	Net Plant Capability (in megawatts)					
	(a) Under Most Favorable Oper Conditions			79		100
10	(b) Under the Most Adverse Oper Conditions			79		
	Average Number of Employees			20		
	Net Generation, Exclusive of Plant Use - Kwh		1 282 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	400,861,320		353,106,046
	Cost of Plant			698,457	Marie Marie	1 200 000
15				2,882,305		1,262,830 4,626,618
16	THE RESIDENCE OF THE PARTY OF T			12,635,881		45,557,825
17			and the second	13,431,186		11,320,386
18				66,170		645,095
19				29,713,999		63,412,754
20						
21	Production Expenses					
22	Operation Supervision and Engineering			108,931		75,103
	Water for Power			0		0
-	Hydraulic Expenses			142,965		446,144
25				151,647		145,501
26				493,276		143,329
27	Rents Maintenance Supervision and Engineering			28,706		33,950
29				122,996		133,657
30		/S		17,875		38,767
31				96,169		53,895
32	Maintenance of Misc Hydraulic Plant			175,544		291,909
33	Total Production Expenses (total 22 thru 32)			1,338,109		1,362,255
34	Expenses per net KWh			0.0033	4	0.0039