

**EXHIBIT NO. \_\_\_(KJB-17)**  
**2013 PSE PCORC**  
**WITNESS: KATHERINE J. BARNARD**

**BEFORE THE**  
**WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

In the Matter of the Petition of  
PUGET SOUND ENERGY, Inc.

For an Accounting Order Authorizing  
Accounting Treatment Related to Payments  
for Major Maintenance Activities

**Docket No. UE-130583**

WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION,  
Complainant,

v.

PUGET SOUND ENERGY, INC.,  
Respondent.

**Docket No. UE-130617**

In the Matter of the Petition of  
PUGET SOUND ENERGY, Inc.

For an Accounting Order Authorizing the  
Sale of the Water Rights and Associated  
Assets for the Electron Hydroelectric Project  
in Accordance with WAC 480-143 and  
RCW 80.12.

**Docket No. UE-131099**

In the Matter of the Petition of  
PUGET SOUND ENERGY, Inc.

For an Accounting Order Authorizing the  
Sale of Interests in the Development Assets  
Required for the Construction and Operation  
of Phase II of the Lower Snake River Wind  
Facility

**Docket No. UE-131230**

**FIFTH EXHIBIT (NONCONFIDENTIAL) TO THE**  
**PREFILED REBUTTAL TESTIMONY OF**  
**KATHERINE J. BARNARD**  
**ON BEHALF OF PUGET SOUND ENERGY, INC.**

**AUGUST 28, 2013**

**BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**Docket No. UE-130617  
Puget Sound Energy, Inc.'s  
2013 Power Cost Only Rate Case**

**WUTC STAFF DATA REQUEST NO. 036**

**WUTC STAFF DATA REQUEST NO. 036:**

**Re: Hydroelectric Upgrades**

Please provide an Excel file detailing the monthly budgets, expenditures to date, forecasted budgets for remaining project work and the percent of funds spent to date for the Lower Baker Hydroelectric Project and the Snoqualmie Falls Hydroelectric Project. Please clearly identify expenditures by project phase, such as Snoqualmie Falls Plants 1 and 2, and Lower Baker Powerhouse and Floating Surface Collector.

**Response:**

Attached as Attachment A to Puget Sound Energy, Inc.'s ("PSE") Response to WUTC Staff Data Request No. 036, please find an electronic version of the Lower Baker Powerhouse cost report. Attached as Attachment B to PSE's Response to WUTC Staff Data Request No. 036, please find an electronic copy of the Lower Baker Floating Surface Collector cost report. Attached as Attachment C to PSE's Response to WUTC Staff Data Request No. 036, please find an electronic copy of the Snoqualmie Falls Project cost report. Attachments A, B and C detail the monthly budgets, expenditures to date, forecasted budgets for remaining project work, and the percentage of funds spent to date on the Lower Baker Hydroelectric and the Snoqualmie Hydroelectric Projects.

Attachments A, B and C to PSE's Response to WUTC Staff Data Request No. 036 identify expenditures by project phase, such as Snoqualmie Falls Plants 1 and 2, Lower Baker Powerhouse and the Floating Surface Collector.

Attached as Attachment D to PSE's Response to WUTC Staff Data Request No. 036, please find an electronic copy of the cost report that is representative of the most current schedule for the Lower Baker Powerhouse. Attached as Attachment E to PSE's Response to WUTC Staff Data Request No. 036, please find an electronic copy of the cost report that is representative of the most current schedule for the Snoqualmie Falls Project.

The cost forecast for the Lower Baker Floating Surface Collector has not changed.

Attachments A through E to PSE's Response to WUTC Staff Data Request No. 036 are provided in electronic format only.

Excerpt from PSE's Response to WUTC Staff Data Request No. 036,  
 Attachment D  
 Updated Estimate for Lower Baker Powerhouse

	Original Budget	Budget changed Nov 2012	Budget Change May 2013	Current Budget	SAP Actuals	Forecast to Complete	Current Forecast at Completion	Current Budget Variance Over/(Under)	Previous Month Forecast at Completion	Forecast Variance - Current to Previous
<b>LOWER BAKER UA POWERHOUSE</b> S.10774.01.01.06 (\$000's)										
<b>Development Costs</b>										
PSE Directs	\$173,110	\$173,134	\$0	\$173,134	\$173,134	\$0	\$173,134		\$173,134	
Overheads	\$191,966	\$191,966	\$0	\$191,966	\$191,966	\$0	\$191,966		\$191,966	
Consultants	\$595,716	\$287,507	\$0	\$287,507	\$287,507	\$0	\$287,507		\$287,507	
Assessments, Transfers, etc	\$0	\$433,983	\$0	\$433,983	\$433,983	\$0	\$433,983		\$433,983	
Engineering	\$1,396,061	\$1,283,749	\$0	\$1,283,749	\$1,283,749	\$0	\$1,283,749		\$1,283,749	
<b>Total Development</b>	<b>\$2,366,853</b>	<b>\$2,370,339</b>	<b>\$0</b>	<b>\$2,370,339</b>	<b>\$2,370,339</b>	<b>\$0</b>	<b>\$2,370,339</b>		<b>\$2,370,339</b>	
<b>Engineering</b>										
Jacobs Associates	\$1,231,000	\$1,509,940	\$0	\$1,509,940	\$1,641,683	\$68,258	\$1,709,941	\$200,001	\$1,709,941	\$14,778
URS Corporation	\$2,597,000	\$2,775,872	\$0	\$2,775,872	\$1,860,316	\$88,973	\$1,949,289	(\$826,583)	\$1,949,289	\$14,778
URS Energy and Construction	\$0	\$18,542	\$0	\$18,542	\$18,542	\$0	\$18,542		\$18,542	
MWH Americas Inc	\$0	\$5,238	\$0	\$5,238	\$5,238	\$0	\$5,238		\$5,238	
Shannon & Wilson Inc	\$1,000,000	\$683,686	\$0	\$683,686	\$528,503	\$24,835	\$528,503	(\$55,083)	\$528,503	\$14,778
Consultants	\$1,174,268	\$959,596	\$0	\$959,596	\$1,388,194	\$24,835	\$1,413,028	\$453,433	\$1,398,250	\$14,778
<b>Total Engineering</b>	<b>\$6,002,268</b>	<b>\$5,852,774</b>	<b>\$0</b>	<b>\$5,852,774</b>	<b>\$5,442,476</b>	<b>\$182,066</b>	<b>\$5,624,541</b>	<b>(\$228,233)</b>	<b>\$5,609,763</b>	<b>\$14,778</b>
<b>Construction</b>										
PCL	\$47,788,377	\$47,989,494	\$2,000,000	\$49,989,494	\$47,757,542	\$2,865,345	\$50,622,887	\$633,393	\$50,622,887	\$0
Other	\$1,300,000	\$1,884,034	\$500,000	\$2,384,034	\$1,761,568	\$885,252	\$2,626,820	\$49,099	\$2,627,715	(\$895)
Skyler Electric Co Inc					\$49,099		\$49,099		\$49,099	
Easi LLC					\$180		\$180		\$180	
Veca Electric & Technologies					\$32,475		\$32,475		\$32,475	
<b>Total Construction</b>	<b>\$49,088,377</b>	<b>\$49,873,528</b>	<b>\$2,500,000</b>	<b>\$52,373,528</b>	<b>\$49,519,110</b>	<b>\$3,730,597</b>	<b>\$53,249,707</b>	<b>\$876,179</b>	<b>\$53,250,601</b>	<b>(\$894)</b>
<b>Owner Supplied Equipment</b>										
Litotroj Hydro Inc	\$11,319,000	\$11,685,600	\$0	\$11,685,600	\$11,796,018	(\$63,675)	\$11,732,343	\$46,743	\$11,732,344	(\$0)
HTG Controls	\$1,617,000	\$5,600,000	\$0	\$5,600,000	\$5,447,420	\$342,429	\$5,789,849	\$189,849	\$5,789,849	\$0
GSU Transformer - SPX Transformer Solid	\$754,600	\$757,400	\$0	\$757,400	\$775,700	\$24,429	\$775,700	\$18,300	\$775,700	\$0
Omega Morgan Rigging and Industrial					\$35,389		\$35,389		\$35,389	
O&M Tools					\$0		\$0		\$0	
<b>Total Owner Supplied Equipment</b>	<b>\$13,690,600</b>	<b>\$18,043,000</b>	<b>\$0</b>	<b>\$18,043,000</b>	<b>\$18,054,528</b>	<b>\$328,754</b>	<b>\$18,383,282</b>	<b>\$340,282</b>	<b>\$18,383,282</b>	<b>(\$0)</b>
<b>Slope Stability</b>										
Stabilize Rock Slope - LB Powerhouse Road	\$0	\$934,083	\$0	\$934,083	\$740,098	\$216,400	\$740,098	(\$193,985)	\$743,171	(\$3,073)
Potential Landslide Mitigation - E Slope	\$0	\$2,295,485	\$0	\$2,295,485	\$2,319,990	\$216,400	\$2,536,390	\$240,905	\$2,529,769	\$6,622
<b>Total Slope Stability</b>	<b>\$0</b>	<b>\$3,229,568</b>	<b>\$0</b>	<b>\$3,229,568</b>	<b>\$3,060,089</b>	<b>\$216,400</b>	<b>\$3,276,489</b>	<b>\$46,921</b>	<b>\$3,272,940</b>	<b>\$3,549</b>
<b>PSE Costs</b>										
PSE Directs	\$5,669,308	\$3,886,083	\$600,000	\$4,686,083	\$4,394,176	\$417,977	\$4,812,152	\$126,069	\$4,843,799	(\$31,647)
Overheads	\$1,589,665	\$3,844,066	\$700,000	\$4,544,066	\$4,400,511	\$376,657	\$4,777,168	\$233,102	\$4,787,520	(\$10,352)
Consultants	\$0	\$196,500	\$0	\$196,500	\$286,116	\$26,944	\$313,060	\$116,560	\$293,060	\$20,000
Assessments, Transfers, etc	\$0	\$23,880	\$0	\$23,880	\$101,110	\$77,230	\$101,110	\$77,230	\$96,544	\$4,567
<b>Total PSE Costs</b>	<b>\$7,258,973</b>	<b>\$7,950,529</b>	<b>\$1,500,000</b>	<b>\$9,450,529</b>	<b>\$9,181,913</b>	<b>\$821,577</b>	<b>\$10,003,490</b>	<b>\$552,961</b>	<b>\$10,020,923</b>	<b>(\$17,432)</b>
<b>Commissioning</b>	\$500,000	\$500,000	\$0	\$500,000	\$187,529	\$187,744	\$375,273	(\$124,727)	\$375,273	\$0
<b>Contingency</b>	\$4,209,902	\$2,420,210	\$0	\$2,420,210	\$0	\$956,827	\$956,827	(\$1,463,383)	\$956,827	(\$0)
<b>Subtotal Project</b>	<b>\$83,106,973</b>	<b>\$90,239,949</b>	<b>\$4,000,000</b>	<b>\$94,239,949</b>	<b>\$87,815,983</b>	<b>\$6,423,965</b>	<b>\$94,239,948</b>	<b>(\$1)</b>	<b>\$94,239,948</b>	<b>(\$0)</b>
AFUDC	\$5,580,041	\$6,083,947		\$6,083,947	\$9,471,984	\$926,151	\$10,398,134	\$4,314,187	\$11,370,713	(\$972,579)
AFUDC - Order # 111020147, 111020148 (LGIA)					\$10,994		\$10,994	\$10,994	\$9,598	\$1,396
<b>Total Project</b>	<b>\$88,687,014</b>	<b>\$96,323,896</b>	<b>\$4,000,000</b>	<b>\$100,323,896</b>	<b>\$97,298,961</b>	<b>\$7,350,115</b>	<b>\$104,649,077</b>	<b>\$4,325,181</b>	<b>\$105,620,259</b>	<b>(\$971,182)</b>

\$90,239,948	\$90,239,948	\$90,239,948
\$0	(\$86,239,948)	\$4,000,000

Excerpt from PSE's Response to WUTC Staff Data Request No. 036,  
 Attachment E  
 Updated Estimate for Snoqualmie Redevelopment Project

<b>Hydro Projects</b>		
<b>Timing &amp; Capital</b>	<b>In Service Date</b>	<b>Closings</b>
<b><u>Snoqualmie</u></b>		
Plant 1	15-Aug-13	\$120,038,965
Plant 1 AFUDC		\$15,873,839
Plant 2	15-Apr-13	\$134,333,993
Plant 2 AFUDC		\$15,410,879
Diversion Dam	31-Oct-12	\$6,050,780
Diversion Dam AFUDC		\$894,638
Parks & Historical		\$11,576,459
Parks & Historical AFUDC		\$1,018,224
Sub-Total		\$272,000,196
AFUDC		\$33,197,579
Project Total		\$305,197,775