

EXHIBIT NO. \_\_\_\_\_ (CJB-9)  
DOCKET NO. \_\_\_\_\_  
2003 POWER COST ONLY RATE CASE  
WITNESS: CHARLES J. BLACK

BEFORE THE  
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION,

Complainant,

Docket No. \_\_\_\_\_

v.

PUGET SOUND ENERGY, INC.,

Respondent.

DIRECT TESTIMONY OF  
CHARLES J. BLACK  
ON BEHALF OF PUGET SOUND ENERGY, INC.

Exhibit CJB-9 Existing Resources – April 30 Least Cost Plan<sup>1</sup>

Hydro Resources

PLANT	OWNER	PSE SHARE %	ENERGY (AMW)
Upper Baker River	PSE	100	39
Lower Baker River	PSE	100	45
White River	PSE	100	30
Snoqualmie & Electron	PSE	100	48
<b>Total PSE-Owned</b>			<b>162</b>
Wells	Douglas Co. PUD	31.3	146
Rocky Reach	Chelan Co. PUD	38.9	285
Rock Island I	Chelan Co. PUD	50.0	106
Rock Island II	Chelan Co. PUD	80.0	116
Wanapum	Grant Co. PUD	10.8	48
Priest Rapids	Grant Co. PUD	8.0	34
<b>Mid-C Total</b>			<b>735</b>
<b>Total Hydro</b>			<b>897</b>

Colstrip and Encogen

UNITS	PSE OWNERSHIP	NAMEPLATE CAPACITY	ENERGY (AMW)
Colstrip 1 & 2	50%	614 mw	257
Colstrip 3 & 4	25%	1480 mw	316
<b>Total Colstrip</b>			<b>573</b>
Encogen	100%	170 mw	162

Non-Utility Generators

NAME	CONTRACT EXPIRATION	ENERGY (AMW)
March Point I	12/31/2011	82
March Point II	12/31/2011	64
Tenaska	12/31/2011	224
Sumas	12/31/2012	128
<b>Total</b>		<b>498</b>

<sup>1</sup> April 2003 Least Cost Plan, Chapter VIII, p. 6

Other Long Term QF Contracts

CONTRACT	TYPE	EXPIRATION	CAPACITY (MW)	2003 ENERGY (AMW)
Port Townsend Paper	Hydro-QF	12/31/2025	0.4	< 1
Hutchison Creek	Hydro-QF	12/31/2025	0.9	< 1
Puyallup Energy Recovery Co.(PERC)	Biomass-QF	4/15/2009	2	2
Spokane Municipal Solid Waste	Biomass-QF	11/15/2012	22.9	16
North Wasco	Hydro-QF	12/31/2012	5	4
Kingdom Energy-Sygitowicz	Hydro-QF	12/31/2025	0.4	< 1
Weeks Falls	Hydro	12/31/2025	4.6	1
Koma Kulshan	Hydro	3/1/2037	14	4
Twin Falls	Hydro	3/8/2025	20	8
<b>Total</b>				<b>38</b>

Long Term Non QF Contracts

CONTRACT	TYPE	EXPIRATION	CAPACITY (MW)	2003 ENERGY (AMW)
CSPE	Hydro	3/31/2003	20	4
Supplemental & Entitlement Capacity	Hydro	3/31/2003	10	0
PacifiCorp	Thermal	10/31/2003	200	97
Powerex/Pt.Roberts	Hydro	12/31/2025	8	2
Baker Replacement	Hydro	12/31/2025	7	0
PG&E Seasonal Exchange-PSE	Thermal	12/31/2006	300	0
Conservation Credit - SnoPUD	-	2/28/2010	10	10
Montana Power	Colstrip	12/29/2010	97	82
BPA- WNP-3 Exchange	Various	6/30/2017	50	45
Canadian EA	Hydro	12/31/2025	-	-37
<b>Total</b>				<b>203</b>

Peaking Plants

NAME	PLANT CAPACITY (MW)
Fredonia 1 & 2	202
Fredonia 3 & 4	108
Whitehorn 2 & 3	134
Frederickson	141
<b>Total</b>	<b>745</b>

Contract Extension Assumptions for Long Run Resource Planning									
Contracts	Capacity MW	Energy aMW	Resource Type	Expiration	Post Contract Assumptions Extension	Price			
1	Avista	100	75 Thermal	12/31/2002	-				
2	CSPE	20	19 Hydro	3/31/2003	-				
3	Supplemental & Entitlement Capacity	10	0 Hydro	3/31/2003	-				
4	PacifiCorp	200	120 Thermal	10/31/2003	-				
5	Port Townsend Paper	0.4	0.3 Hydro-QF	12/31/2003	12/31/2025	Mkt.			
6	Powerex/Pt.Roberts	8	3 Hydro	9/30/2004	12/31/2025	Mkt.			
7	Hutchison Creek	0.9	0.2 Hydro-QF	9/30/2004	12/31/2025	Mkt.			
8	Baker Replacement	7	1 Hydro	9/30/2006	12/31/2025	0			
9	PG&E Seasonal Exchange-PSE	300	0 Thermal	12/31/2008	-				
10	Puyallup Energy Recovery Co.(PERC)	2	1.8 Biomass-QF	4/15/2009	-				
11	Conservation Credit - SnoPUD	10	10 Hydro	2/28/2010	-				
12	Montana Power	97	84 Colstrip	12/29/2010	-				
13	Spokane Municipal Solid Waste	22.9	16.15 Biomass-QF	11/1/2011	-				
14	March Point Phase I & II	140	140 Thermal-QF	12/31/2011	-				
15	Tenaska	245	217 Thermal-QF	12/31/2011	-				
16	North Wasco	5	4.8 Hydro-QF	12/31/2012	-				
17	Sumas	123	123 Thermal-QF	12/31/2012	-				
18	Kingdom Energy- Sygitowicz	0.4	0.4 Hydro-QF	2/2/2014	12/31/2025	Mkt.			
19	BPA- WNP-3 Exchange	50	Various	6/30/2017	-				
20	Weeks Falls	4.6	1.2 Hydro	12/31/2022	12/31/2025	Mkt.			
21	Canadian EA			12/31/2025		Fixed			
22	Koma Kulshan		Hydro	12/31/2025		Fixed			
23	Twin Falls		Hydro	12/31/2025		Fixed.			
24	Other		aMW ('01)						
24	Colstrip 1 & 2	614	295 PSE Cap.	12/31/2021	12/31/2025				
25	Colstrip 3 & 4	1480	370	12/31/2021	12/31/2025				
26	Fredonia 3 & 4		108 na	xy/2011	12/31/2025				
27	Whitehorn 2 & 3		134 na	6/30/2004	6/30/2011				
28	Mid-C								
28	Chelan - Rock Island I	248	124	6/7/2012	12/31/2025				
29	Chelan - Rock Island II (11/06-6/13)	360	341-180	6/7/2013	12/31/2025				
30	Chelan - Rocky Reach	1266	505	11/1/2011	12/31/2025				
31	Douglas - Wells	840	263	8/31/2018	12/31/2025				
32	Grant - Wanapum	986	98	10/31/2039	12/31/2025				
33	Grant - Priest Rapids	912	72	10/31/2035	12/31/2025				