

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION)	
)	
)	
Complainant,)	Docket No. UE-070565
)	
v.)	
)	
PUGET SOUND ENERGY, INC.)	
)	
Respondent.)	
_____)	

EXHIBIT NO. ____ (DWS-12)
DECEMBER 2004 PACIFIC NORTHWEST
LOADS AND RESOURCES STUDY
OPERATING YEARS 2006 TO 2015
TECHNICAL APPENDIX VOLUME 2 CAPACITY ANALYSIS

June 25, 2007

2004 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY

OPERATING YEARS 2006 THROUGH 2015

Technical Appendix Volume 2 Capacity Analysis

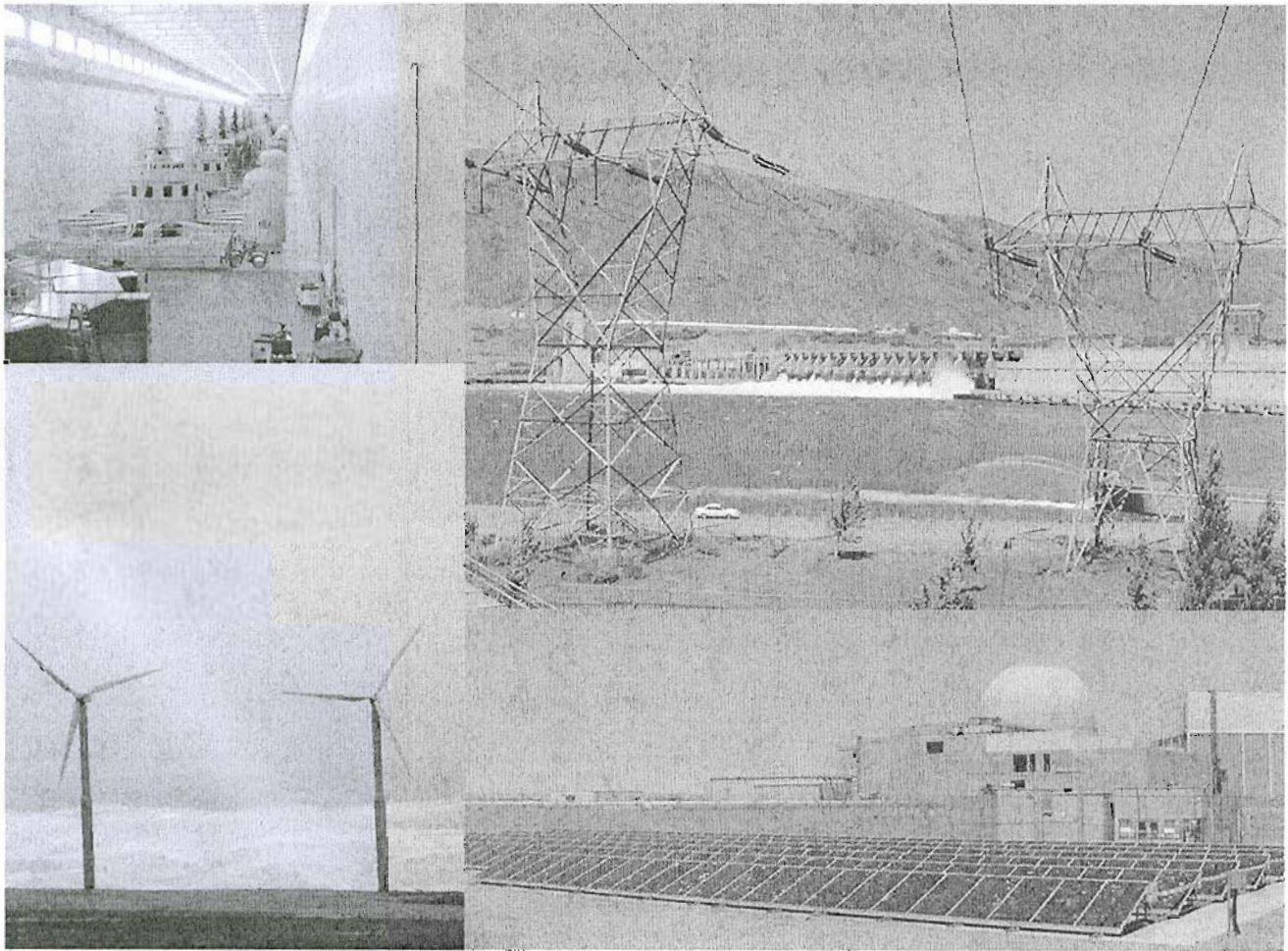


Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2005 - 2006 Operating Year
(27) 2004 White Book

12/31/2004

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Boardman Coal-														
1 Idaho Power Company	59	59	59	59	59	59	59	59	59	59	59	0	59	59
2 Portland General Electric	384	384	384	384	384	384	384	384	384	384	384	0	384	384
3 San Diego Gas & Electric	87	87	87	87	87	87	87	87	87	87	87	0	87	87
4 Turlock Irrigation District	59	59	59	59	59	59	59	59	59	59	59	0	59	59
5 Boardman: Regional Total	589	589	589	589	589	589	589	589	589	589	589	0	589	589
-Centralia #1 Coal-														
6 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	0	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
-Centralia #2: Coal-														
8 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	670	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
-Colstrip #1: Coal-														
10 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
11 Colstrip #1: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #2: Coal-														
12 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
13 Colstrip #2: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #3: Coal-														
14 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
15 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
16 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
17 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
18 Colstrip #3: Regional Total	518	518	518	518	518	518	518	518	518	518	518	518	518	518
-Colstrip #4: Coal-														
19 Avista Corp (WWP Division)	111	111	111	0	115	115	115	115	115	115	115	115	115	115
20 Northwestern Energy LLC (MPC)	222	222	222	0	230	230	230	230	230	230	230	230	230	230
21 Pacific Power	74	74	74	0	76	76	76	76	76	76	76	76	76	76
22 Portland General Electric	148	148	148	0	153	153	153	153	153	153	153	153	153	153
23 Puget Sound Energy	185	185	185	0	191	191	191	191	191	191	191	191	191	191
24 Colstrip #4: Regional Total	740	740	740	0	765	765	765	765	765	765	765	765	765	765
-Columbia Generating Station: Uranium-														
25 BPA - Power Business	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
26 Columbia Generating Station: Regional Total	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
-Jim Bridger #1: Coal-														
27 Idaho Power Company	477	477	477	477	477	477	477	477	477	477	477	477	477	477
28 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
29 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #2: Coal-														
30 Idaho Power Company	477	477	477	477	477	477	477	477	477	477	477	477	477	477
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
32 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #3: Coal-														
33 Idaho Power Company	477	477	477	477	477	477	477	477	477	477	477	477	477	477
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #4: Coal-														
36 Idaho Power Company	477	477	477	477	477	477	477	477	477	477	0	477	477	477
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	0	353	353	353
38 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	0	530	530	530
-Valmy #1: Coal-														
39 Idaho Power Company	128	128	128	128	128	128	128	128	128	128	128	128	128	128
40 Valmy #1: Regional Total	128	128	128	128	128	128	128	128	128	128	128	128	128	128
-Valmy #2: Coal-														
41 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
42 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
-Total Large Thermal-														
43 Federal System	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
44 Public Entities	69	59	59	59	59	59	59	59	59	59	59	0	59	59
45 Investor-Owned Entities	5817	5817	5817	5077	5842	5842	5842	5842	5842	5842	5312	4642	5842	5842
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	7026	7026	7026	6286	7051	7051	7051	7051	7051	7051	6521	5792	7051	7051

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2006 - 2007 Operating Year
[27] 2004 White Book

12/31/2004

Capacity In Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Boardman: Coal-														
1 Idaho Power Company	59	59	59	59	59	59	59	59	59	59	59	0	59	59
2 Portland General Electric	384	384	384	384	384	384	384	384	384	384	384	0	384	384
3 San Diego Gas & Electric	87	87	87	87	87	87	87	87	87	87	87	0	87	87
4 Turlock Irrigation District	59	59	59	59	59	59	59	59	59	59	59	0	59	59
5 Boardman: Regional Total	589	589	589	589	589	589	589	589	589	589	589	0	589	589
-Centralla #1: Coal-														
6 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	670	670	670
7 Centralla #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
-Centralla #2: Coal-														
8 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	0	670	670
9 Centralla #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
-Colstrip #1: Coal-														
10 Puget Sound Energy	154	154	0	0	160	160	160	160	160	160	160	160	160	160
11 Colstrip #1: Regional Total	154	154	0	0	160	160	160	160	160	160	160	160	160	160
-Colstrip #2: Coal-														
12 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
13 Colstrip #2: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #3: Coal-														
14 Avista Corp (WWP Division)	111	111	0	0	111	115	115	115	115	115	115	115	115	115
15 Pacific Power	74	74	0	0	74	76	76	76	76	76	76	76	76	76
16 Portland General Electric	148	148	0	0	148	153	153	153	153	153	153	153	153	153
17 Puget Sound Energy	185	185	0	0	185	191	191	191	191	191	191	191	191	191
18 Colstrip #3: Regional Total	518	518	0	0	518	536	536	536	536	536	536	536	536	536
-Colstrip #4: Coal-														
19 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	115	115	115
20 Northwest Energy LLC (MPC)	230	230	230	230	230	230	230	230	230	230	230	230	230	230
21 Pacific Power	76	76	76	76	76	76	76	76	76	76	76	76	76	76
22 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	153	153	153
23 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	191	191	191
24 Colstrip #4: Regional Total	765	765	765	765	765	765	765	765	765	765	765	765	765	765
-Columbia Generating Station: Uranium-														
25 BPA - Power Business	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
26 Columbia Generating Station: Regional Total	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
-Jim Bridger #1: Coal-														
27 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	0	0	177
28 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	0	0	353
29 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	0	0	530
-Jim Bridger #2: Coal-														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	0	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	0	353	353	353
32 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	0	530	530	530
-Jim Bridger #3: Coal-														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	0	0	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	0	0	353
35 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	0	0	530
-Jim Bridger #4: Coal-														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Valmy #1: Coal-														
39 Idaho Power Company	128	128	128	128	128	128	128	128	128	128	128	128	128	128
40 Valmy #1: Regional Total	128	128	128	128	128	128	128	128	128	128	128	128	128	128
-Valmy #2: Coal-														
41 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
42 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
-Total Large Thermal-														
43 Federal System	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
44 Public Entities	59	59	59	59	59	59	59	59	59	59	59	0	59	59
45 Investor-Owned Entities	5842	5842	5171	5171	5848	5866	5866	5866	5866	5866	5336	3606	4806	5866
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	7051	7051	6380	6380	7057	7074	7074	7074	7074	7074	6544	3606	4864	7074