

**EXHIBIT NO. ____ (MBM-21)
DOCKETS UE-151871/UG-151872
PSE EQUIPMENT LEASING SERVICE
WITNESS: MALCOLM B. MCCULLOCH**

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

**Dockets UE-151871
UG-151872**

**FOURTEENTH EXHIBIT (NONCONFIDENTIAL) TO THE
PREFILED REBUTTAL TESTIMONY OF
MALCOLM B. MCCULLOCH
ON BEHALF OF PUGET SOUND ENERGY**

JULY 1, 2016

Customer #	Installation Date	Make	Model	Size (gallons)	Installed Energy Factor (EF)	NAECA Standard Energy Factor (EF)	Exceeds NAECA Standard
2	1/11/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
3	1/6/2016	Bradford White	RG240T6N	40	0.62	0.62	
4	1/11/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
6	1/13/2016	Bradford White	RG240S6N	40	0.62	0.62	
7	1/5/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
8	1/15/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
10	1/8/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
11	1/6/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
12	1/14/2016	RUUD	PROG5038NRU60	50	0.60	0.60	
13	1/13/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
14	1/20/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
15	1/27/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
16	1/23/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
17	1/29/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
18	1/28/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
19	1/23/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
20	1/22/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
21	1/21/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
25	1/29/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
26	1/14/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
27	1/19/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
28	1/8/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
29	1/11/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	
30	1/8/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
31	1/11/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
33	1/28/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
35	2/2/2016	Bradford White	RG240T6N	40	0.62	0.62	
36	2/1/2016	Bradford White	RG240T6N	40	0.62	0.62	
37	1/3/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	
38	1/2/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
39	1/5/2016	Bradford White	RG240T6N	40	0.62	0.62	
40	1/4/2016	Bradford White	RG240T6N	40	0.62	0.62	
41	1/7/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	

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43	1/4/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
44	1/6/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
45	1/5/2016	Bradford White	RG240T6N	40	0.62	0.62	
46	1/5/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
47	1/5/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
48	1/5/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
49	1/5/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
50	1/5/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
51	1/5/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
52	1/6/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
53	1/6/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
54	1/6/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
55	1/6/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
56	1/7/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
58	1/6/2016	BRADFORD WHITE	RG240T6N	40	0.62	0.62	
61	1/2/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
62	1/11/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
63	1/11/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
64	1/11/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
65	1/12/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
66	1/14/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
67	1/13/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
68	1/17/2016	BRADFORD WHITE	RG240T6N	40	0.62	0.62	
69	1/13/2016	BRADFORD WHITE	RG240S6N	40	0.62	0.62	
70	1/4/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
72	1/14/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
73	1/14/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
74	1/14/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	
75	1/22/2016	BRADFORD-WHITE	RG240T6N	40	0.62	0.62	
76	1/20/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
77	1/21/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
78	1/22/2016	RUUD	PROG2932NRU62	29	0.62	0.63	
79	1/19/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes

Customer #	Installation Date	Make	Model	Size (gallons)	Installed Energy Factor (EF)	NAECA Standard Energy Factor (EF)	Exceeds NAECA Standard
80	1/2/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
84	1/13/2016	BRADFORD WHITE	RG240T6N	40	0.62	0.62	
85	1/15/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	
88	1/12/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
89	1/15/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
90	1/13/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
91	1/7/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
92	1/22/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
93	1/21/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
94	1/18/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
95	1/14/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
97	1/20/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
98	1/21/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	
99	1/25/2016	Bradford White	RG240T6N	40	0.62	0.62	
100	1/24/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
102	1/19/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
103	1/19/2016	BRADFORD WHITE	RG240S6N	40	0.62	0.62	
104	1/21/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
105	1/22/2016	BRADFORD WHITE	RG240T6N	40	0.62	0.62	
106	1/11/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
107	1/12/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	
108	1/14/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
109	1/16/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
110	1/19/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
111	1/19/2016	BRADFORD WHITE	RG240S6N	40	0.62	0.62	
112	1/19/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
113	1/20/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
114	1/20/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	
115	1/21/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
116	1/25/2016	BRADFORD WHITE	RG240T6N	40	0.62	0.62	
117	1/8/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
118	1/18/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
119	1/25/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	

Customer #	Installation Date	Make	Model	Size (gallons)	Installed Energy Factor (EF)	NAECA Standard Energy Factor (EF)	Exceeds NAECA Standard
120	1/25/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
121	1/26/2016	BRADFORD WHITE	RG250H6N	50	0.60	0.60	
122	1/28/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
124	1/11/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
125	1/20/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
126	1/22/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
127	1/22/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
128	1/27/2016	RUUD	PROG2932NRU63	29	0.63	0.63	
129	1/28/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
130	1/29/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
131	1/29/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
134	2/4/2016	BRADFORD WHITE	RG250H6N	50	0.60	0.60	
135	1/19/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
136	1/27/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
137	1/30/2016	BRADFORD WHITE	RG240T6N	40	0.62	0.62	
138	1/25/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
139	1/30/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
141	2/2/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
142	2/2/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
143	2/3/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
144	2/4/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	
146	2/1/2016	Bradford White	RG250T6N	50	0.62	0.60	Yes
147	2/1/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
148	2/1/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
149	2/3/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
150	2/6/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	
151	2/8/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
152	2/1/2016	BRADFORD WHITE	RG250H6N	50	0.60	0.60	
153	2/2/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
154	2/2/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	
155	2/3/2016	BRADFORD WHITE	RG240T6N	40	0.62	0.62	
156	2/4/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
157	2/5/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes

Customer #	Installation Date	Make	Model	Size (gallons)	Installed Energy Factor (EF)	NAECA Standard Energy Factor (EF)	Exceeds NAECA Standard
158	2/6/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	
159	2/5/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	
160	2/9/2016	RUUD	PROG5036NRU60DV	50	0.60	0.60	
162	2/5/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
163	2/5/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
164	2/9/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
165	2/5/2016	BRADFORD WHITE	RG250T6N	50	0.62	0.60	Yes
167	2/9/2016	BRADFORD WHITE	RG250H6N	50	0.60	0.60	
168	2/19/2016	RHEEM	PROG5036NRU60DV	50	0.60	0.60	