

Exhibit No. ___ (JMW-1)
Docket UE-141368
Witness: Juliana M. Williams

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

In the Matter of the Petition of

PUGET SOUND ENERGY

**To Update Methodologies Used to
Allocate Electric Cost of Service and For
Electric Rate Design Purposes.**

DOCKET UE-141368

EXHIBIT OF

Juliana M. Williams

**STAFF OF WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION**

**TO
JOINT TESTIMONY**

Residential Usage Data

November 4, 2014

Usage Per kWh	% Total Customers Bills	% Low Income Customer Bills
10	1.1%	
20	1.4%	
30	1.7%	
40	2.1%	
50	2.4%	
60	2.8%	
70	3.1%	
80	3.5%	
90	3.9%	
100	4.2%	2.6%
110	4.6%	
120	4.9%	
130	5.2%	
140	5.6%	
150	5.9%	
160	6.3%	
170	6.7%	
180	7.0%	
190	7.4%	
200	7.8%	4.6%
300	12.9%	8.3%
400	20.0%	13.9%
500	28.5%	20.8%
600	37.6%	28.5%
700	46.4%	36.5%
800	54.3%	44.3%
900	61.1%	51.5%
1,000	67.0%	58.0%
1,100	71.9%	63.8%
1,200	76.0%	68.8%
1,300	79.4%	73.2%
1,400	82.3%	76.9%
1,500	84.7%	80.1%
1,600	86.7%	82.8%
1,700	88.4%	85.2%
1,800	89.9%	87.2%
1,900	91.2%	88.9%
2,000	92.2%	90.3%
2,500	95.8%	95.1%
3,000	97.6%	97.4%
4,000	99.1%	99.1%
5,000	99.6%	99.6%
6,000	99.8%	99.8%
7,000	99.9%	
8,000	99.9%	
9,000	100.0%	
10,000	100.0%	
15,000	100.0%	
20,000	100.0%	
25,000	100.0%	
30,000	100.0%	

This information was also presented in Docket UE-130043 (PacifiCorp GRC) Mickelson, Exhibit No.____ (CTM-5) at 16:6.

Line

No.	A	B	C		D		E		F	
			2 Unit	2.5 Unit	2 Unit	2.5 Unit	2 Unit	2.5 Unit		
1			Lower-End		Upper-End					
2	I. Electricity		2 Unit	2.5 Unit	2 Unit	2.5 Unit				
3	a. Lighting and Refrigeration	KWH	225	250	360	400				
4	b. Cooking	KWH	99	110	99	110				
5	c. Domestic Hot Water	KWH	306	340	306	340				
6	First Block / Sub-Total		630	700	765	850				
7										
8	d. Space Heating	KWH	612	680	612	680				
9	e. Air Conditioning	KWH	162	180	162	180				
10	Sub-Total (a. - d.)		1,242	1,380	1,377	1,530				
11	Total (a. - e.)		1,404	1,560	1,539	1,710				

No.	A	B	C		D		E		F	
			2 Unit	2.5 Unit	2 Unit	2.5 Unit	2 Unit	2.5 Unit		
14	II. Natural Gas and Bottled Gas		2 Unit	2.5 Unit	2 Unit	2.5 Unit				
15	a. Cooking	Therms	7	8	7	8				
16	b. Domestic Hot Water	Therms	19	21	19	21				
17	First Block / Sub-Total		26	29	26	29				
18										
19	c. Space Heating	Therms	43	48	43	48				
20	Second Block / Total		69	77	69	77				

Unit Size	Factor
0-BR	0.5
1-BR	0.7
2-BR	0.9
3-BR	1.1
4-BR	1.4
5-BR	1.6

31 <http://www.hud.gov/offices/adm/hudclips/guidebooks/7420.10G/7420g18GUID.pdf>

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Line No.
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NEEA Information

kWh per Home				Per Month
State	Mean	EB	n	
ID	19,157	2,399	51	1596
MT	17,022	2,735	26	1419
OR	14,792	1,045	126	1233
WA	18,579	979	296	1548
Region	17,488	714	499	1457

Space Heat per Home (kWh)				Per Month
State	Mean	EB	n	
ID	8,629	1,473	51	719
MT	8,437	2,148	26	703
OR	5,992	626	124	499
WA	9,074	673	292	756
Region	8,116	478	493	0

<http://neea.org/docs/reports/residential-building-stock-assessment-single-family-characteristics-and-energy-use.pdf?sfvrsn=8>