

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

**Docket Nos. UE-151871 UG-151872
Puget Sound Energy's
Electric and Natural Gas Equipment Lease Service**

WUTC STAFF DATA REQUEST NO. 003

WUTC STAFF DATA REQUEST NO. 003:

On page two of PSE's letter to Steve King, dated September 18, 2015, PSE states, "Expanding PSE's leasing-type services will fill an unmet customer need." Please provide all documents related to and a detailed explanation of this "unmet customer need" and explain how an energy equipment lease service option will met this need. Please include any studies, research, or other data that PSE relies on to support its claims.

Response:

Puget Sound Energy ("PSE") objects to WUTC Staff Data Request No. 003 as overly broad and unduly burdensome as it requests all documents related to "unmet customer need" and also "any studies, research, or other data that PSE relies on to support its claims." Without waving the objection and subject thereto, PSE provides the following response.

Please see page 7 of the Prefiled Direct Testimony of Jason E. Teller, Exhibit No. ____ (JET-IT) and page 2 of Exhibit No. ____ (JET-3).

Please see pages 4-8 of the Prefiled Direct Testimony of Malcolm B. McCulloch, Exhibit No. ____ (MBM-IT).

Please also see Attachment A to PSE's Response to WUTC STAFF Data Request No. 003, which is an MS Excel spreadsheet analysis of the 2012 Northwest Energy Efficiency Alliance's Regional Building Stock Assessment query of the vintage of residential space heat and water heat equipment. Due to the large volume, Attachment A to PSE's Response to WUTC Staff Data Request No. 003 is provided in electronic format only.

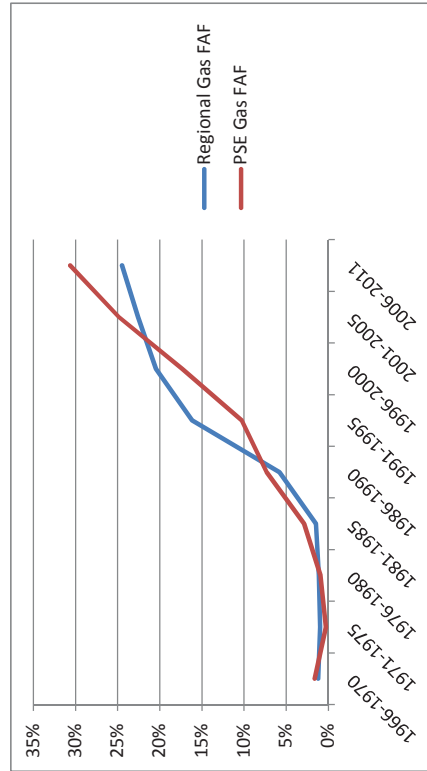
**ATTACHMENT A to PSE's Response to
WUTC STAFF Data Request No. 003 is
provided in electronic format only**

Gas FAF Regional

Vintage	Count	Percent
1966-1970	22,857	1%
1971-1975	18,058	1%
1976-1980	20,903	1%
1981-1985	27,574	1%
1986-1990	109,563	6%
1991-1995	306,264	16%
1996-2000	388,023	20%
2001-2005	428,105	23%
2006-2011	463,977	24%
Before 1966	23,849	1%
Unknown	86,290	5%
Grand Total	1,895,463	100%

Gas FAF PSE

Vintage	Count	Percent
1966-1970	8,485	2%
1971-1975	1,525	0%
1976-1980	4,956	1%
1981-1985	15,063	3%
1986-1990	38,710	7%
1991-1995	54,317	10%
1996-2000	91,504	17%
2001-2005	131,222	25%
2006-2011	161,783	31%
Before 1966	5,053	1%
Unknown	15,510	3%
Grand Total	528,127	100%



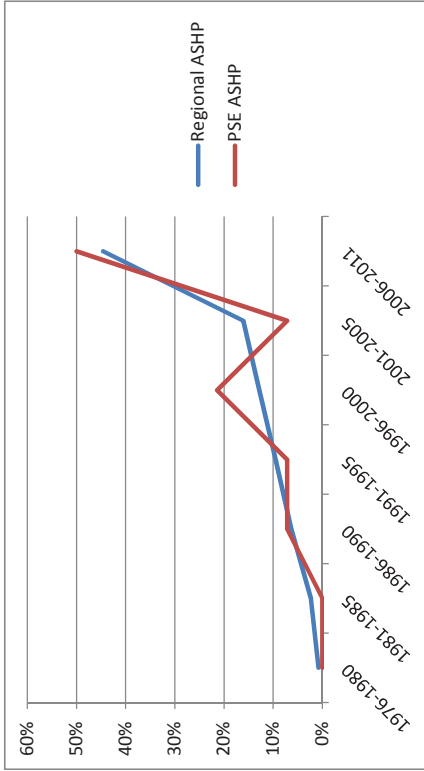
Regional ASHP (Includes duel fuel)

Vintage	Count	Percent
1976-1980	4,343	1%
1981-1985	13,464	2%
1986-1990	35,694	6%
1991-1995	53,762	10%
1996-2000	72,285	13%
2001-2005	90,922	16%
2006-2011	251,525	45%
Unknown	42,332	8%
Grand Total	564,326	100%

PSE ASHP (Includes Duel Fuel)

Vintage	Count	Percent
1976-1980	0	0%
1981-1985	0	0%
1986-1990	4,956	7%
1991-1995	4,956	7%
1996-2000	14,869	21%
2001-2005	4,956	7%
2006-2011	34,695	50%
Unknown	4,956	7%
Grand Total	69,391	100%

24,782
 0.357143

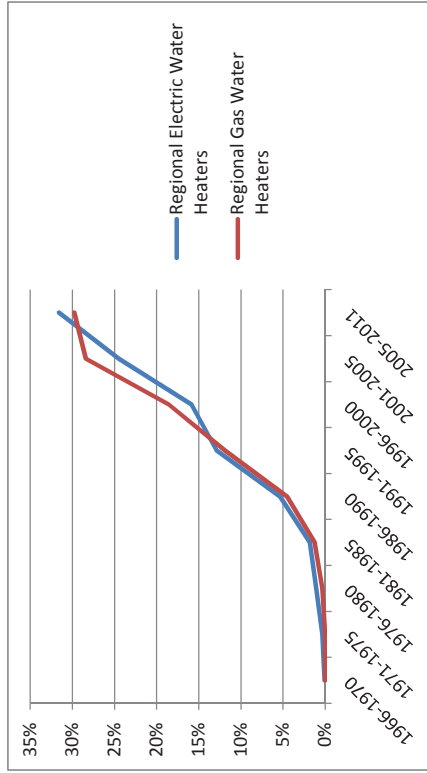


Regional Electric Storage Water Heaters

Vintage	Count	Percent
1966-1970	1,525	0%
1971-1975	7,367	0%
1976-1980	24,023	1%
1981-1985	40,764	2%
1986-1990	120,073	5%
1991-1995	289,126	13%
1996-2000	357,250	16%
2001-2005	550,854	24%
2005-2011	710,826	32%
Before 1966	2,337	0%
Unknown	145,147	6%
Grand Total	2,249,291	100%

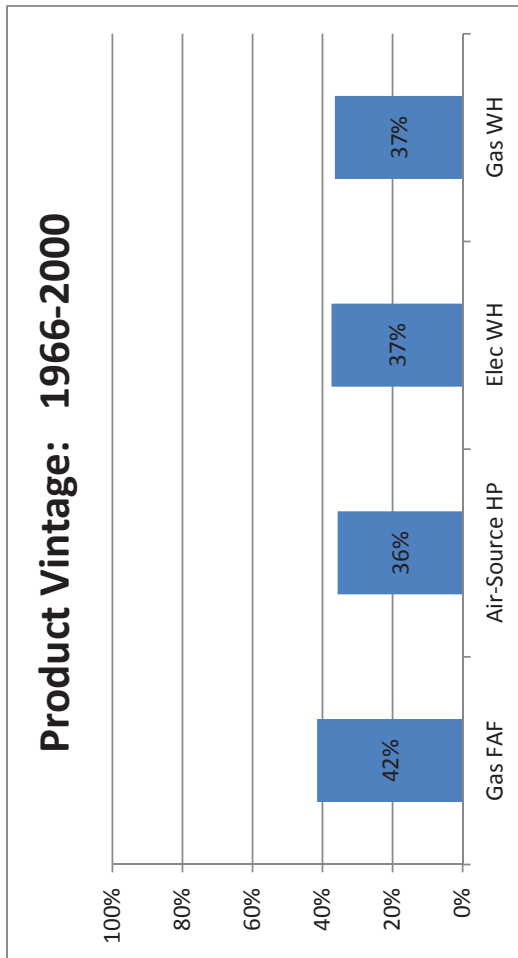
Regional Gas Storage Water Heaters

Vintage	Count	Percent
1966-1970	0	0%
1971-1975	0	0%
1976-1980	5,250	0%
1981-1985	20,669	1%
1986-1990	74,730	5%
1991-1995	196,946	12%
1996-2000	308,063	19%
2001-2005	471,073	28%
2005-2011	494,255	30%
Before 1966	0	0%
Unknown	88,070	5%
Grand Total	1,659,056	100%



Product	Percent
Gas FAF	42%
Air-Source HP	36%
Elec WH	37%
Gas WH	37%

Product Vintage: 1966-2000



Electric Utility PUD No 1 of Franklin ... PUD No 1 of Grays Ha... PUD No 1 of Lewis Co... PUD No 1 of Okanoga... PUD No 2 of Grant Co... Puget Sound Energy Inc Salem Electric Seattle City of	Gas Utility Avista Energy CNG - Cascade Natural Gas Intermountain Gas Northwestern Energy NW Natural Puget Sound Energy	HVACPrimary FALSE TRUE	HVACType baseboard boiler dhp faf fireplace gshp heatpump heatpumpdualfuel	HVACFuel Electric Gas Oil Other Pellets Propane Wood
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Sum of svy_wt	Column Labels	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2011	Unknown	Grand Total
Row Labels	Electric	4342.622	13463.775	35694.266	53762.211	72284.585	90922.255	251524.85	42331.734	564326.298
	heatpump	4342.622	13463.775	35694.266	44904.414	70380.297	85380.788	224828.645	31613.232	510608.039
	heatpumpdualfuel				8857.797	1904.288	5541.467	26696.205	10718.502	53718.259
	Grand Total	4342.622	13463.775	35694.266	53762.211	72284.585	90922.255	251524.85	42331.734	564326.298

Any PSE Service Territory	
No	
Yes	

Sum of svy_wt Row Labels	Column Labels										Grand Total
	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2011	Unknown	Grand Total		
Electric	0.77%	2.39%	6.33%	9.53%	12.81%	16.11%	44.57%	7.50%	100.00%		
heatpump	0.85%	2.64%	6.99%	8.79%	13.78%	16.72%	44.03%	6.19%	100.00%		
heatpumpdualfuel	0.00%	0.00%	0.00%	16.49%	3.54%	10.32%	49.70%	19.95%	100.00%		
Grand Total	0.77%	2.39%	6.33%	9.53%	12.81%	16.11%	44.57%	7.50%	100.00%		

Electric Utility	Gas Utility	WHFuel	WaterheaterType
Avista Corp			
Bonnors Ferry Electric ...	Avista Energy	Electric	Instantaneous
Central Electric Coop Inc	CNG - Cascade Natural Gas	Gas	Storage
Central Lincoln People...	Intermountain Gas	Oil/Kerosene	
City of Ashland	Northwestern Energy	Propane	
City of Burley	NW Natural	Wood	
City of Forest Grove	Puget Sound Energy		
City of Milton-Freewat...			

Sum of svy_wt	Column Labels	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	2001-2005	2005-2011	Unknown	Grand Total
Gas		5250.458	20668.742	74729.932	196946.23	308062.845	471072.608	494254.792	88070.324	1659055.931
Storage		5250.458	20668.742	74729.932	196946.23	308062.845	471072.608	494254.792	88070.324	1659055.931
Grand Total		5250.458	20668.742	74729.932	196946.23	308062.845	471072.608	494254.792	88070.324	1659055.931

Sum of svy_wt Row Labels	Column Labels	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	2001-2005	2005-2011	Unknown	Grand Total
Gas		0.32%	1.25%	4.50%	11.87%	18.57%	28.39%	29.79%	5.31%	100.00%
Storage		0.32%	1.25%	4.50%	11.87%	18.57%	28.39%	29.79%	5.31%	100.00%
Grand Total		0.32%	1.25%	4.50%	11.87%	18.57%	28.39%	29.79%	5.31%	100.00%

populati	utility_id	Electric Utility	Gas Utility	Utility Type	svy_wt	HVACCheating_std	Count	HVACHeat	HVACPrimary	HVACType	HVACFuel	HVACMod	HVACCap	HVACPlumb	HVACYear	Vintage	Any PSE Service Territory
10002	10688	Seattle City of		NWP	1525	10002	1	TRUE fuf	FALSE baseboard	Electric				1982	1981-1985	No	
10002	10688	Seattle City of		NWP	1525	10002	1	FALSE baseboard	FALSE pluginheater	Electric					Unknown	No	
10005	06022	Eugene City of		NWP	1188	10005	1	TRUE heatpump	TRUE heatpump	Electric	AMANA	RHF36C2C		2005	2001-2005	No	
10005	06022	Eugene City of		NWP	1188	10005	1	FALSE hstove	FALSE hstove	Wood					Unknown	No	
10011	15500	Puget Sound Energy Inc		IOU	4956	10011	1	TRUE heatpump	TRUE heatpump	Electric	TRANE			1998	1996-2000	No	
10011	15500	Puget Sound Energy Inc		IOU	4956	10011	1	FALSE hstove	FALSE hstove	Propane			26000		Unknown	No	
10016	15248	Portland General		IOU	6933	10016	1	TRUE hstove	TRUE hstove	Gas				1998	1996-2000	No	
10016	15248	Portland General		IOU	6933	10016	1	FALSE fuf	FALSE fuf	Gas					Unknown	No	
10021	04442	PUD No 1 of Coviltz		NWP	1151	10021	1	TRUE baseboard	TRUE baseboard	Electric					1989	1988-1990	No
10021	04442	PUD No 1 of Coviltz	CNG - Cascade Natural Gas	NWP	1151	10021	1	FALSE baseboard	FALSE baseboard	Electric	CARRIER	58rc045c	48000		Unknown	No	
10030	15500	Puget Sound Energy Inc		IOU	4956	10030	1	TRUE fuf	TRUE fuf	Gas	TEMPSTA	htc5075hf	48000		1998	1996-2000	Yes
10040	16868	Seattle City of		NWP	2004	10040	1	TRUE fuf	TRUE fuf	Gas	TRANE		48000		1990	1988-1990	Yes
10052	15500	Puget Sound Energy Inc		IOU	4956	10052	1	TRUE fuf	TRUE fuf	Gas	PAYNE	PG9MAA0	93000		2000	1996-2000	Yes
10055	15500	Puget Sound Energy Inc		IOU	4956	10055	1	FALSE baseboard	FALSE baseboard	Electric					Unknown	Yes	
10055	15500	Puget Sound Energy Inc		IOU	4956	10055	1	FALSE hstove	FALSE hstove	Wood					Unknown	Yes	
10062	15500	Puget Sound Energy Inc		IOU	4956	10062	1	TRUE fuf	TRUE fuf	Gas	TRANE	tdd118080	64000		2008	2006-2011	Yes
10068	17470	Snohomish County PUD		NWP	2004	10068	1	FALSE fuf	FALSE fuf	Electric					1976	1976-1980	No
10068	17470	Snohomish County PUD		NWP	2004	10068	1	FALSE fireplace	FALSE fireplace	Wood					Unknown	No	
10079	16868	Seattle City of		NWP	1525	10079	1	TRUE fuf	TRUE fuf	Wood					1998	1996-2000	Yes
10082	15500	Puget Sound Energy Inc		IOU	4956	10082	1	FALSE hstove	FALSE hstove	Gas	ARMSTRO	GUJ050D1	40000		Unknown	Yes	
10083	15500	Puget Sound Energy Inc		IOU	4956	10083	1	TRUE hstove	TRUE hstove	Wood					Unknown	No	
10083	15500	Puget Sound Energy Inc		IOU	4956	10083	1	FALSE heatpumpdualfuel	FALSE heatpumpdualfuel	Electric	GOODMA	CJ30-1A		2007	2006-2011	Yes	
10083	15500	Puget Sound Energy Inc		IOU	4956	10083	1	FALSE hstove	FALSE hstove	Wood					Unknown	Yes	
10087	18429	Tacoma City of		NWP	1465	10087	1	TRUE fuf	TRUE fuf	Oil					Unknown	No	
10087	18429	Tacoma City of		NWP	1465	10087	1	FALSE baseboard	FALSE baseboard	Electric					Unknown	No	
10087	18429	Tacoma City of		NWP	1465	10087	1	FALSE hstove	FALSE hstove	Wood					Unknown	No	
10096	06022	Eugene City of		NWP	1188	10096	1	TRUE baseboard	TRUE baseboard	Electric					Unknown	No	
10096	06022	Eugene City of		NWP	1188	10096	2	FALSE baseboard	FALSE baseboard	Electric					Unknown	No	
10100	18429	Tacoma City of		NWP	1465	10100	1	TRUE fuf	TRUE fuf	Wood					Unknown	No	
10100	18429	Tacoma City of		NWP	1465	10100	1	FALSE baseboard	FALSE baseboard	Electric					2010	2006-2011	No
10134	18429	Tacoma City of		NWP	1465	10134	1	TRUE fuf	TRUE fuf	Gas	MILLER	G5RC060C	57000		1995	1991-1995	Yes
10141	15500	Puget Sound Energy Inc		IOU	4956	10141	1	TRUE heatpump	TRUE heatpump	Electric	AMERICA	448H048			2007	2006-2011	No
10141	15500	Puget Sound Energy Inc		IOU	4956	10141	1	FALSE pluginheater	FALSE pluginheater	Electric					Unknown	No	
10144	17470	Snohomish County PUD		NWP	2004	10144	1	TRUE fuf	TRUE fuf	Wood					1973	1971-1975	No
10144	17470	Snohomish County PUD		NWP	2004	10144	1	FALSE hstove	FALSE hstove	Electric					Unknown	No	
10144	17470	Snohomish County PUD		NWP	2004	10144	1	FALSE pluginheater	FALSE pluginheater	Electric	TRANE	TUD060C	48000		2001	2001-2005	No
10150	06022	Eugene City of		NWP	1188	10150	1	FALSE hstove	FALSE hstove	Wood					Unknown	No	
10150	06022	Eugene City of		NWP	1188	10150	1	TRUE baseboard	TRUE baseboard	Electric					Unknown	No	
10174	16868	Seattle City of		IOU	1525	10174	1	TRUE fuf	TRUE fuf	Electric					2005	2001-2005	No
10174	16868	Seattle City of		IOU	1525	10174	1	FALSE hstove	FALSE hstove	Electric					Unknown	No	
10176	04442	PUD No 1 of Coviltz		NWP	4956	10176	1	TRUE heatpump	TRUE heatpump	Electric	TRANE	4TVX-			2006	2001-2005	No
10178	15248	Portland General		IOU	6933	10178	1	TRUE fuf	TRUE fuf	Gas	LENNOX	GLD0F36	57600		2003	2001-2005	No
10186	16868	Seattle City of		NWP	1525	10186	1	TRUE fuf	TRUE fuf	Gas	PAYNE	394CWA0	60000		1975	1971-1975	Yes
10186	16868	Seattle City of		NWP	1525	10186	1	FALSE hstove	FALSE hstove	Gas	RHEEM	RGPK	56000		2006	2006-2011	Yes
10191	16868	Seattle City of		NWP	1525	10191	1	TRUE fuf	TRUE fuf	Gas	LENNOX	G61MP	41000		2007	2006-2011	Yes
10191	16868	Seattle City of		NWP	1525	10191	1	TRUE fuf	TRUE fuf	Gas	PAYNE	376ca02	55000		Unknown	Yes	
10231	16868	Seattle City of		NWP	1525	10231	1	TRUE fuf	TRUE fuf	Gas	BRYANT	312aa04	71000		2008	2006-2011	Yes
10239	15500	Puget Sound Energy Inc		IOU	4956	10239	1	TRUE fuf	TRUE fuf	Electric					Unknown	No	
10239	15500	Puget Sound Energy Inc		IOU	4956	10239	1	TRUE fuf	TRUE fuf	Gas	MIDCO	DS24			1995	1991-1995	Yes
10331	16868	Seattle City of		NWP	1525	10331	1	TRUE fuf	TRUE fuf	Gas	TRANE	TDD060R9	48000		1999	1996-2000	Yes
10335	14740	Snohomish County PUD		IOU	6933	10335	1	TRUE fuf	TRUE fuf	Gas					1992	1991-1995	No
10344	15248	Portland General		IOU	6933	10344	1	FALSE hstove	FALSE hstove	Gas	RHEEM	RGPH-	119000		2005	2001-2005	No
10344	15248	Portland General		IOU	6933	10344	1	FALSE baseboard	FALSE baseboard	Electric	GOODMA	CPLT-			2003	2001-2005	No
10345	15248	Portland General		IOU	6933	10345	1	TRUE heatpump	TRUE heatpump	Gas	GOODMA	GCV90704	65000		2004	2001-2005	No
10354	06022	Eugene City of		NWP	1188	10354	1	FALSE fuf	FALSE fuf	Gas					Unknown	No	
10354	06022	Eugene City of		NWP	1188	10354	2	FALSE hstove	FALSE hstove	Gas					Unknown	No	
10354	06022	Eugene City of		NWP	1188	10354	1	FALSE pluginheater	FALSE pluginheater	Electric					Unknown	No	
10354	06022	Eugene City of		NWP	1188	10354	1	TRUE fuf	TRUE fuf	Gas	TRANE	TDD080R	64000		2000	1996-2000	Yes
10359	16868	Seattle City of		NWP	1525	10359	1	FALSE fireplace	FALSE fireplace	Wood					Unknown	Yes	
10365	17470	Snohomish County PUD		NWP	2004	10365	1	FALSE pluginheater	FALSE pluginheater	Electric					Unknown	Yes	
10365	17470	Snohomish County PUD		NWP	2004	10365	1	FALSE fuf	FALSE fuf	Gas	ARMSTRO	GLD093AU	62775		2001	2001-2005	Yes
10365	17470	Snohomish County PUD		NWP	2004	10365	1	TRUE pluginheater	TRUE pluginheater	Electric					Unknown	No	
10382	04442	PUD No 1 of Coviltz		NWP	1151	10382	1	FALSE baseboard	FALSE baseboard	Electric					Unknown	No	
10382	04442	PUD No 1 of Coviltz		NWP	1151	10382	1	FALSE hstove	FALSE hstove	Gas					2002	2001-2005	Yes
10388	16868	Seattle City of		NWP	1525	10388	1	FALSE baseboard	FALSE baseboard	Wood					Unknown	No	
10388	16868	Seattle City of		NWP	1525	10388	1	TRUE fuf	TRUE fuf	Gas	PAYNE	376ca03	80000		1991	1991-1995	Yes
10389	16868	Seattle City of		NWP	1525	10389	1	FALSE hstove	FALSE hstove	Wood					Unknown	Yes	
10392	15500	Puget Sound Energy Inc		IOU	4956	10392	1	TRUE fuf	TRUE fuf	Gas	LENNOX				1967	1966-1970	No
10392	15500	Puget Sound Energy Inc		IOU	4956	10392	2	FALSE hstove	FALSE hstove	Wood					Unknown	No	
10398	16868	Seattle City of		NWP	1525	10398	1	TRUE fuf	TRUE fuf	Gas	PAYNE	395ca02	53000		1983	1981-1985	Yes
10399	17470	Snohomish County PUD		NWP	2004	10399	1	TRUE fuf	TRUE fuf	Gas	RHEEM	RFTA-	112000		Unknown	Yes	
10399	17470	Snohomish County PUD		NWP	2004	10399	1	TRUE boiler	TRUE boiler	Gas	AMERICA	PG10 34-	96700		Unknown	Yes	

popularity	utility_id	Electric Utility	Gas Utility	Utility Type	svy_wt	HVACHeating_std	CountOfHVACHeat_IT	HVACPrimary	HVACType	HVACBackul	HVACFuel	HVACWatt	HVACOutput	HVACPlumb	HVACYear	Vintage	Any PSE Service Territory
10306	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10306	1	TRUE fuf	FALSE Istove	Gas	Wood	YORK	78000		2010	2006-2011	Yes
10306	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10306	3	TRUE fuf	FALSE Istove	Gas	Wood	YORK	78000		2010	2006-2011	Yes
10306	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10306	1	TRUE fuf	FALSE Istove	Gas	Wood	YORK	78000		2010	2006-2011	Yes
10309	15248	Portland General	NW Natural	IOU	6933	10309	1	FALSE Istove	FALSE Istove	Gas	Gas		12000		1999	1996-2000	No
10309	15248	Portland General	NW Natural	IOU	6933	10309	1	FALSE Istove	FALSE Istove	Gas	Gas		12000		1999	1996-2000	No
10313	06022	Eugene City of	NW Natural	NWP	1188	10313	1	TRUE heatpump	TRUE heatpump	Electric	RUUD	UPKA-			1995	1991-1995	No
10313	06022	Eugene City of	NW Natural	NWP	1188	10313	2	FALSE Istove	FALSE Istove	Wood	Wood				Unknown	No	
10318	16868	Seattle City of	NW Natural	NWP	1525	10318	1	TRUE fuf	FALSE Istove	Oil	Electric				Unknown	No	
10318	16868	Seattle City of	NW Natural	NWP	1525	10318	1	FALSE baseboard	FALSE baseboard	Electric	RHEEM	O85E0610			Unknown	No	
10319	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	10319	1	TRUE boiler	TRUE boiler	Gas	Gas				Unknown	No	
10319	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	10319	1	FALSE Istove	FALSE Istove	Gas	Gas				Unknown	No	
10322	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10322	1	TRUE boiler	TRUE boiler	Gas	Gas				Unknown	No	
10322	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10322	1	FALSE Istove	FALSE Istove	Propane	Electric				Unknown	No	
10325	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10325	1	FALSE Istove	FALSE Istove	Gas	VAILANT	GA92-100			Unknown	No	
10325	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10325	1	FALSE Istove	FALSE Istove	Wood	Wood				Unknown	No	
10332	18429	Tacoma City of	Puget Sound Energy	NWP	1465	10332	1	TRUE boiler	TRUE boiler	Gas	VAILANT	ga92 160-	115000		Unknown	Yes	
10332	18429	Tacoma City of	Puget Sound Energy	NWP	1465	10332	1	FALSE baseboard	FALSE baseboard	Electric	Electric				Unknown	Yes	
10332	18429	Tacoma City of	Puget Sound Energy	NWP	1465	10332	1	FALSE Istove	FALSE Istove	Gas	Gas				Unknown	Yes	
10334	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10334	1	TRUE boiler	TRUE boiler	Gas	BUDERUS	G124X-	15000		Unknown	No	
10334	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10334	1	FALSE Istove	FALSE Istove	Wood	Wood				Unknown	No	
10335	16868	Seattle City of	Puget Sound Energy	NWP	1188	10335	1	TRUE fuf	TRUE fuf	Gas	AMERICA	AUX2B08	72000		2008	2006-2011	Yes
10337	06022	Eugene City of	Puget Sound Energy	NWP	1188	10337	1	TRUE heatpump	TRUE heatpump	Electric	AMERICA	6h1024a1			1999	1996-2000	No
10337	06022	Eugene City of	Puget Sound Energy	NWP	1188	10337	1	FALSE Istove	FALSE Istove	Wood	Wood				Unknown	No	
10338	15500	Portland General	NW Natural	IOU	6933	10338	1	TRUE boiler	TRUE boiler	Electric	Electric				Unknown	No	
10348	15248	Portland General	NW Natural	IOU	6933	10348	1	FALSE Istove	FALSE Istove	Gas	LENNOX	g61mpw36	61000		2007	2006-2011	No
10348	15248	Portland General	NW Natural	IOU	6933	10348	1	FALSE Istove	FALSE Istove	Gas	Gas		18000		Unknown	No	
10348	15248	Portland General	NW Natural	IOU	6933	10348	1	FALSE pluginheater	FALSE pluginheater	Electric	Electric				Unknown	No	
10352	06022	Eugene City of	NW Natural	NWP	1188	10352	1	TRUE fuf	TRUE fuf	Gas	BRYANT		40000		Unknown	No	
10352	06022	Eugene City of	NW Natural	NWP	1188	10352	1	TRUE fuf	TRUE fuf	Gas	HEIL	NTC6100K	80000		1999	1996-2000	Yes
10359	16868	Portland General	NW Natural	IOU	6933	10359	1	TRUE fuf	TRUE fuf	Gas	DAY &	373lav036	74000		1996	1996-2000	No
10384	15248	Tacoma City of	NW Natural	NWP	1465	10384	1	TRUE baseboard	TRUE baseboard	Electric	Electric				Unknown	No	
10388	18429	Tacoma City of	NW Natural	NWP	1465	10388	1	FALSE pluginheater	FALSE pluginheater	Electric	Electric				Unknown	No	
10398	15248	Portland General	NW Natural	IOU	6933	10398	1	TRUE fuf	TRUE fuf	Gas	AMANA	GCC090X4	60000		1993	1991-1995	No
10401	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	10401	1	TRUE fuf	TRUE fuf	Electric	Electric				1974	1971-1975	No
10408	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10408	1	FALSE Istove	FALSE Istove	Wood	Wood				Unknown	No	
10411	04442	PUD No 1 of Covilitz	Puget Sound Energy	NWP	1151	10411	1	TRUE Istove	TRUE Istove	Electric	Electric				Unknown	No	
10413	16868	Seattle City of	Puget Sound Energy	NWP	1525	10413	1	TRUE fuf	TRUE fuf	Oil	Oil				Unknown	No	
10421	18429	Tacoma City of	Puget Sound Energy	NWP	1465	10421	1	FALSE Istove	FALSE Istove	Electric	Electric				Unknown	No	
10421	18429	Tacoma City of	Puget Sound Energy	NWP	1465	10421	1	FALSE Istove	FALSE Istove	Gas	KELVINAT	G6RK66C	48000		2001	2001-2005	Yes
10425	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10425	1	TRUE fuf	TRUE fuf	Gas	HEIL	NTC6100K	80000		1999	1996-2000	Yes
10425	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10425	1	FALSE Istove	FALSE Istove	Gas	COLEMAN	EM9100C	96000		1996	1996-2000	Yes
10430	18429	Tacoma City of	Puget Sound Energy	NWP	1465	10430	1	FALSE Istove	FALSE Istove	Wood	Wood				Unknown	No	
10430	18429	Tacoma City of	Puget Sound Energy	NWP	1465	10430	1	TRUE baseboard	TRUE baseboard	Electric	Electric				Unknown	No	
10431	16868	Seattle City of	Puget Sound Energy	NWP	1525	10431	1	FALSE Istove	FALSE Istove	Gas	BRYANT	330AAV03	81000		1994	1991-1995	Yes
10435	16868	Seattle City of	Puget Sound Energy	NWP	1525	10435	1	FALSE Istove	FALSE Istove	Wood	Wood				Unknown	No	
10450	16868	Seattle City of	Puget Sound Energy	NWP	1525	10450	2	FALSE Istove	FALSE Istove	Gas	BRYANT		40000		Unknown	No	
10459	16868	Seattle City of	Puget Sound Energy	NWP	1525	10459	1	FALSE Istove	FALSE Istove	Gas	BRYANT		40000		Unknown	No	
10463	16868	Seattle City of	Puget Sound Energy	NWP	1525	10463	1	FALSE pluginheater	FALSE pluginheater	Electric	Electric				Unknown	No	
10463	16868	Seattle City of	Puget Sound Energy	NWP	1525	10463	1	TRUE fuf	TRUE fuf	Gas	TRANE	TDEL806A	48000		2007	2006-2011	Yes
10465	18429	Seattle City of	Puget Sound Energy	NWP	1465	10465	1	FALSE Istove	FALSE Istove	Gas	Gas				Unknown	No	
10476	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10476	1	TRUE baseboard	TRUE baseboard	Electric	Electric				Unknown	No	
10486	15248	Portland General	NW Natural	IOU	6933	10486	1	TRUE fuf	TRUE fuf	Gas	AMERICA	wp451			Unknown	No	
10486	15248	Portland General	NW Natural	IOU	6933	10486	1	FALSE baseboard	FALSE baseboard	Oil	Oil				Unknown	No	
10490	15500	Puget Sound Energy Inc	CHG - Cascade Natural Gas	IOU	4956	10490	1	TRUE fuf	TRUE fuf	Gas	Electric				Unknown	No	
10490	15500	Puget Sound Energy Inc	CHG - Cascade Natural Gas	IOU	4956	10490	1	FALSE Istove	FALSE Istove	Gas	COLEMAN	TG5908B1	76000		2010	2006-2011	No
10491	18429	Tacoma City of	CHG - Cascade Natural Gas	IOU	4956	10491	1	FALSE Istove	FALSE Istove	Wood	Wood				Unknown	No	
10493	16868	Seattle City of	Puget Sound Energy	NWP	1525	10493	1	TRUE fuf	TRUE fuf	Gas	LENNOX	G6-12	109600		1981	1981-1985	Yes
10493	16868	Seattle City of	Puget Sound Energy	NWP	1525	10493	1	FALSE Istove	FALSE Istove	Gas	Gas				Unknown	No	
10496	04442	PUD No 1 of Covilitz	Puget Sound Energy	NWP	1151	10496	1	TRUE baseboard	TRUE baseboard	Electric	Electric				Unknown	No	
10510	18429	Tacoma City of	Puget Sound Energy	NWP	1465	10510	1	TRUE fuf	TRUE fuf	Gas	KELVINAT		61000		2002	2001-2005	Yes
10514	16868	Seattle City of	Puget Sound Energy	NWP	1525	10514	1	TRUE fuf	TRUE fuf	Gas	DAY &	398AAV03	41000		2008	2006-2011	Yes
10516	15248	Portland General	NW Natural	IOU	6933	10516	1	FALSE Istove	FALSE Istove	Gas	RHEEM	RGLHOSE	41000		2000	1996-2000	No
10516	15248	Portland General	NW Natural	IOU	6933	10516	1	FALSE Istove	FALSE Istove	Wood	Wood				Unknown	No	
10518	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10518	1	FALSE Istove	FALSE Istove	Gas	Gas				Unknown	No	
10518	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10518	1	FALSE fireplace	FALSE fireplace	Wood	Wood				Unknown	Yes	
10518	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10518	1	FALSE Istove	FALSE Istove	Wood	Wood				Unknown	Yes	
10518	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10518	2	FALSE pluginheater	FALSE pluginheater	Electric	Electric				Unknown	No	
10525	18429	Tacoma City of	Puget Sound Energy	NWP	1465	10525	1	TRUE fuf	TRUE fuf	Electric	Electric				Unknown	No	
10537	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10537	1	FALSE baseboard	FALSE baseboard	Electric	Electric				Unknown	No	
10537	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	10537	2	FALSE Istove	FALSE Istove	Wood	Wood				Unknown	No	
10540	15248	Portland General	NW Natural	IOU	6933	10540	1	FALSE baseboard	FALSE baseboard	Electric	Electric	FUITSU	AQU36R		2008	2006-2011	No
10540	15248	Portland General	NW Natural	IOU	6933	10540	1	FALSE baseboard	FALSE baseboard	Gas	LENNOX	g61mpv	79000		2006	2006-2011	Yes
10551	16868	Seattle City of	Puget Sound Energy	NWP	1525	10551	1	TRUE boiler	TRUE boiler	Electric	Electric	TRANE	41TWRA04		2007	2006-2011	No
10552	18429	Tacoma City of	Puget Sound Energy	NWP	1465	10552	1	FALSE pluginheater	FALSE pluginheater	Wood	Wood	BUDERUS	87470296-	75000	Unknown	Yes	
10557	16868	Seattle City of	Puget Sound Energy	NWP	1525	10557	1	FALSE fireplace	FALSE fireplace	Electric	Electric				Unknown	Yes	
10557	16868	Seattle City of	Puget Sound Energy	NWP	1525	10557	1	FALSE pluginheater	FALSE pluginheater	Electric	Electric				Unknown	Yes	
10561	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	10561	1	TRUE baseboard	TRUE baseboard	Gas	Gas				2006	2006-2011	Yes
10565	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	10565	1	TRUE fuf	TRUE fuf	Electric	Electric	rgdr-	80000		Unknown	No	
10567	17470	Portland General	NW Natural	NWP	6933	10567	1	FALSE baseboard	FALSE baseboard	Electric	Electric				2011	2006-2011	No
10579	15248	Portland General	NW Natural	IOU	6933	10579	1	TRUE fuf	TRUE fuf	Gas	LENNOX	S1P98UH0	64000		Unknown	No	

populati	utility_id	Electric Utility	Gas Utility	Utility Type	svy_wt	HVACCheating_stdid	CountOfHVACHeatIt	HVACPrimary	HVACType	HVACBackul	HVACFuel	HVACWatt	HVACModet	VACOUpl	VACPlumb	HVACYear	Vintage	Any PSE Service Territory
10911	18429	Tacoma City of	NWP	NWP	1465	10911	1	TRUE fuf	TRUE fuf	Oil						Unknown	No	
10915	18429	Tacoma City of	NWP	NWP	1465	10915	1	TRUE fireplace	FALSE fireplace	Wood	CARRIER	38YKCD30				1999	1996-2000	No
10915	18429	Tacoma City of	NWP	NWP	1465	10915	1	FALSE heatpump	FALSE heatpump	Electric	CARRIER	38YKCD30				1999	1996-2000	No
10915	18429	Tacoma City of	NWP	NWP	1465	10915	1	FALSE pluginheater	FALSE pluginheater	Electric	CARRIER	38YKCD30				1999	1996-2000	No
10927	18688	Seattle City of	NWP	NWP	1525	10927	1	TRUE fuf	TRUE fuf	Gas	AMERICA	aud080c9	64000			2001	2001-2005	No
10927	18688	Seattle City of	NWP	NWP	1525	10927	1	FALSE pluginheater	FALSE pluginheater	Electric	CARRIER	38YKCD30				2001	2001-2005	No
10946	15500	Puget Sound Energy Inc	IOU	IOU	4956	10946	1	TRUE baseboard	TRUE baseboard	Electric	RHEEM	UGTA-	138000			1996	1996-2000	Yes
10946	15500	Puget Sound Energy Inc	IOU	IOU	4956	10946	1	TRUE fuf	TRUE fuf	Gas	RHEEM	UGTA-	138000			1996	1996-2000	Yes
10946	15500	Puget Sound Energy Inc	IOU	IOU	4956	10946	1	FALSE histove	FALSE histove	Gas	RHEEM	UGTA-	21075			1996	1996-2000	Yes
10948	17470	Snohomish County PUD	NWP	NWP	2004	10948	1	TRUE fuf	TRUE fuf	Oil						Unknown	No	
10948	17470	Snohomish County PUD	NWP	NWP	2004	10948	1	FALSE histove	FALSE histove	Wood	PAYNE	376CAV03				1993	1991-1995	Yes
10951	15500	Puget Sound Energy Inc	IOU	IOU	4956	10951	1	TRUE fuf	TRUE fuf	Gas	PAYNE	376CAV03				1993	1991-1995	Yes
10951	15500	Puget Sound Energy Inc	IOU	IOU	4956	10951	1	FALSE histove	FALSE histove	Pellets						Unknown	No	
10951	15500	Puget Sound Energy Inc	IOU	IOU	4956	10951	1	FALSE pluginheater	FALSE pluginheater	Electric						Unknown	No	
10965	15500	Puget Sound Energy Inc	IOU	IOU	4956	10965	1	TRUE baseboard	TRUE baseboard	Electric						Unknown	No	
10965	15500	Puget Sound Energy Inc	IOU	IOU	4956	10965	1	FALSE histove	FALSE histove	Electric						Unknown	No	
10978	16868	Seattle City of	NWP	NWP	1525	10978	1	TRUE baseboard	TRUE baseboard	Wood						1998	1996-2000	No
10978	16868	Seattle City of	NWP	NWP	1525	10978	1	FALSE histove	FALSE histove	Electric	LENNOX					2006	2006-2011	Yes
10986	17470	Snohomish County PUD	NWP	NWP	2004	10986	1	TRUE heatpump	TRUE heatpump	Gas	LENNOX					2006	2006-2011	Yes
10990	17470	Snohomish County PUD	IOU	IOU	4956	10990	1	TRUE fuf	TRUE fuf	Electric	2006					Unknown	No	
10995	15500	Puget Sound Energy Inc	NWP	NWP	2004	10995	1	TRUE baseboard	TRUE baseboard	Electric						Unknown	No	
11003	17470	Snohomish County PUD	NWP	NWP	2004	11003	1	TRUE fuf	TRUE fuf	Oil						Unknown	No	
11006	16868	Seattle City of	NWP	NWP	1525	11006	1	TRUE fuf	TRUE fuf	Gas	TRANE	UD08KC9	64000			2003	2001-2005	Yes
11006	16868	Seattle City of	NWP	NWP	1525	11006	1	FALSE baseboard	FALSE baseboard	Electric	TRANE	UD08KC9	64000			2003	2001-2005	Yes
11014	06022	Eugene City of	NWP	NWP	1188	11014	1	TRUE heatpump	TRUE heatpump	Electric	TRANE	4TWX03				2010	2006-2011	No
11014	06022	Eugene City of	NWP	NWP	1188	11014	1	FALSE histove	FALSE histove	Wood	TRANE	4TWX03				2010	2006-2011	No
11021	18429	Tacoma City of	NWP	NWP	1465	11021	1	TRUE fuf	TRUE fuf	Gas	CARRIER	3451aD70	54000			2004	2001-2005	Yes
11021	18429	Tacoma City of	NWP	NWP	1465	11021	1	FALSE pluginheater	FALSE pluginheater	Other	CARRIER	3451aD70	54000			2004	2001-2005	Yes
11030	18429	Tacoma City of	NWP	NWP	1465	11030	1	TRUE pluginheater	TRUE pluginheater	Electric						Unknown	No	
11030	18429	Tacoma City of	NWP	NWP	1465	11030	1	FALSE histove	FALSE histove	Electric						Unknown	No	
11032	06022	Eugene City of	NWP	NWP	1188	11032	1	TRUE baseboard	TRUE baseboard	Gas	ARMISTRO	G1N80BR	60000			2004	2001-2005	No
11035	04442	PUD No 1 of Cowlitz	NWP	NWP	1151	11035	1	TRUE heatpump	TRUE heatpump	Electric	BRYANT	213RMA0				2008	2006-2011	No
11035	04442	PUD No 1 of Cowlitz	NWP	NWP	1151	11035	1	FALSE histove	FALSE histove	Electric	CARRIER	387RA024				2003	2001-2005	No
11041	16868	Seattle City of	NWP	NWP	1525	11041	1	TRUE fuf	TRUE fuf	Oil						Unknown	No	
11041	16868	Seattle City of	NWP	NWP	1525	11041	1	FALSE histove	FALSE histove	Wood						Unknown	No	
11047	16868	Tacoma City of	NWP	NWP	1465	11047	1	TRUE baseboard	TRUE baseboard	Electric						Unknown	No	
11047	16868	Tacoma City of	NWP	NWP	1465	11047	1	FALSE histove	FALSE histove	Electric						Unknown	No	
11048	18429	Tacoma City of	NWP	NWP	1465	11048	1	TRUE baseboard	TRUE baseboard	Wood						Unknown	No	
11048	18429	Tacoma City of	NWP	NWP	1465	11048	1	FALSE histove	FALSE histove	Wood						Unknown	No	
11051	15248	Portland General	NW Natural	NWP	6933	11051	1	TRUE fuf	TRUE fuf	Gas	BRYANT	355maV06	93000			1998	1996-2000	Yes
11051	15248	Portland General	NW Natural	NWP	6933	11051	1	FALSE histove	FALSE histove	Gas	BRYANT	355maV06	93000			2002	2001-2005	Yes
11054	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11054	2	TRUE fuf	TRUE fuf	Wood						2002	2001-2005	Yes
11054	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11054	2	FALSE histove	FALSE histove	Gas	BRYANT	355maV06	93000			2002	2001-2005	Yes
11059	18429	Tacoma City of	NWP	NWP	1465	11059	3	TRUE fuf	TRUE fuf	Gas	LENNOX	G32X3755	67500			2002	2001-2005	Yes
11061	15248	Portland General	NW Natural	IOU	1061	11061	1	TRUE fuf	TRUE fuf	Gas	LENNOX	G32X3755	67500			2002	2001-2005	Yes
11064	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11064	1	TRUE fuf	TRUE fuf	Gas	LENNOX	G32X3755	67500			2002	2001-2005	Yes
11064	17470	Snohomish County PUD	Puget Sound Energy	IOU	1061	11064	1	FALSE histove	FALSE histove	Gas	LENNOX	G32X3755	67500			2002	2001-2005	Yes
11089	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11089	1	TRUE fuf	TRUE fuf	Oil						1997	1996-2000	Yes
11089	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11089	1	FALSE histove	FALSE histove	Gas	BRYANT	353B4V	74000			2011	2006-2011	Yes
11094	16868	Seattle City of	NWP	NWP	1524	11094	1	TRUE baseboard	TRUE baseboard	Wood						Unknown	No	
11100	06022	PUD No 1 of Cowlitz	NWP	NWP	1188	11100	1	TRUE baseboard	TRUE baseboard	Electric	COLEMAN	lg960R0d				2010	2006-2011	No
11118	04442	PUD No 1 of Cowlitz	NWP	NWP	1151	11118	1	TRUE histove	TRUE histove	Wood						Unknown	No	
11118	04442	PUD No 1 of Cowlitz	NWP	NWP	1151	11118	1	FALSE baseboard	FALSE baseboard	Electric						Unknown	No	
11119	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11119	1	TRUE fuf	TRUE fuf	Gas	WHIRLPO	NDGK100	76000			2009	2006-2011	Yes
11119	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11119	1	FALSE histove	FALSE histove	Gas	WHIRLPO	NDGK100	76000			2009	2006-2011	Yes
11138	16868	Seattle City of	NWP	NWP	1525	11138	1	TRUE fuf	TRUE fuf	Oil						Unknown	No	
11138	16868	Seattle City of	NWP	NWP	1525	11138	1	FALSE baseboard	FALSE baseboard	Electric						Unknown	No	
11145	15500	Puget Sound Energy Inc	IOU	IOU	4956	11145	1	TRUE baseboard	TRUE baseboard	Electric						Unknown	No	
11154	15248	Portland General	NW Natural	IOU	6933	11154	1	TRUE fuf	TRUE fuf	Electric	CARRIER	58N4V912	111000			2003	2001-2005	No
11163	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11163	1	TRUE fuf	TRUE fuf	Gas	CARRIER	399aaw04	80000			1989	1986-1990	Yes
11178	16868	Seattle City of	NWP	NWP	1525	11178	1	TRUE fuf	TRUE fuf	Gas	CARRIER	399aaw04	80000			1989	1986-1990	Yes
11178	16868	Seattle City of	NWP	NWP	1525	11178	2	FALSE pluginheater	FALSE pluginheater	Gas	SEARS		60000			1960	Before 1966	Yes
11187	16868	Seattle City of	NWP	NWP	1525	11187	1	TRUE fuf	TRUE fuf	Electric	LENNOX					1967	1966-1970	Yes
11187	16868	Seattle City of	NWP	NWP	1525	11187	1	FALSE histove	FALSE histove	Gas	LENNOX					1967	1966-1970	Yes
11194	15500	Puget Sound Energy Inc	IOU	IOU	4956	11194	1	TRUE baseboard	TRUE baseboard	Electric						Unknown	No	
11210	16868	Seattle City of	NWP	NWP	1525	11210	1	TRUE fuf	TRUE fuf	Oil						Unknown	No	
11210	16868	Seattle City of	NWP	NWP	1525	11210	1	FALSE baseboard	FALSE baseboard	Electric						Unknown	No	
11210	16868	Seattle City of	NWP	NWP	1525	11210	1	FALSE histove	FALSE histove	Wood						Unknown	No	
11217	15500	Puget Sound Energy Inc	IOU	IOU	4956	11217	1	TRUE histove	TRUE histove	Wood	ELECTRO	EB MO 10				Unknown	No	
11219	15500	Puget Sound Energy Inc	IOU	IOU	4956	11219	1	FALSE heatpump	FALSE heatpump	Electric	GOODMA	SSZ16036			2007	2006-2011	No	
11219	15500	Puget Sound Energy Inc	IOU	IOU	4956	11219	1	FALSE fireplace	FALSE fireplace	Wood	RHEEM	RGPI10EG	81000			2003	2001-2005	No
11221	15248	Portland General	NW Natural	IOU	6933	11221	1	TRUE fuf	TRUE fuf	Gas	RHEEM	RGPI10EG	81000			2003	2001-2005	No
11222	15500	Puget Sound Energy Inc	CNG - Cascade Natural Gas	IOU	4956	11222	1	TRUE histove	TRUE histove	Wood						Unknown	No	
11222	15500	Puget Sound Energy Inc	CNG - Cascade Natural Gas	IOU	4956	11222	1	FALSE histove	FALSE histove	Gas						Unknown	No	
11233	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11233	1	TRUE fuf	TRUE fuf	Wood	BRYANT		36000			2005	2001-2005	Yes
11233	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11233	1	FALSE histove	FALSE histove	Gas	BRYANT		36000			2005	2001-2005	Yes
11236	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11236	1	FALSE histove	FALSE histove	Electric						2003	2001-2005	Yes
11236	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11236	1	FALSE histove	FALSE histove	Propane						Unknown	No	
11246	16868	Seattle City of	NWP	NWP	1525	11246	1	TRUE fuf	TRUE fuf	Oil						Unknown	No	
11246	16868	Seattle City of	NWP	NWP	1525	11246	1	FALSE histove	FALSE histove	Wood						Unknown	No	
11273	16868	Seattle City of	NWP	NWP	1525	11273	1	TRUE fuf	TRUE fuf	Gas	PAYNE	383KA03				1992	1991-1995	Yes
11273	16868	Seattle City of	NWP	NWP	1525	11273	1	FALSE baseboard	FALSE baseboard	Electric						Unknown	No	
11282	15248	Portland General	NW Natural	IOU	6933	11282	1	TRUE heatpump/airfuel	TRUE heatpump/airfuel	Electric	KENMORE	44146gk-k				2006	2006-2011	No
11282	15248	Portland General	NW Natural	IOU	6933	11282	1	FALSE fireplace	FALSE fireplace	Wood						Unknown	No	

populatio	utility_id	Electric Utility	Gas Utility	Utility Type	swt_wt	HVA Cheating_std	Count	HVACHeat	HVACPrimary	HVACType	HVACBackul	HVACFuel	HVACWatt	HVACMod	HVACCOUp	HVACPlumb	HVACYear	Vintage	Any PSE Service Territory
11282	15248	Portland General	NW Natural	IOU	6933	11282	1	FALSE	FALSE	HVAC: Hstove	Wood	CARRIER					Unknown	No	
11283	15248	Portland General	NW Natural	IOU	6933	11283	1	TRUE	FALSE	HVAC: baseboard	Gas	CARRIER					1986	1986-1990	No
11284	16868	Seattle City of	Puget Sound Energy	NWP	6933	11284	1	FALSE	FALSE	HVAC: baseboard	Electric	BRYANT					Unknown	No	
11289	16868	Seattle City of	Puget Sound Energy	NWP	1525	11289	1	TRUE	TRUE	HVAC: baseboard	Electric	BRYANT					2004	2001-2005	Yes
11302	16868	Seattle City of	Puget Sound Energy	NWP	1525	11302	1	TRUE	TRUE	HVAC: baseboard	Electric	PAYNE	395cat004	71000			Unknown	No	
11302	16868	Seattle City of	Puget Sound Energy	NWP	1525	11302	1	FALSE	FALSE	HVAC: pluginheater	Electric	PAYNE	395cat004	71000			Unknown	Yes	
11315	06022	Eugene City of	NW Natural	NWP	1188	11315	1	TRUE	TRUE	HVAC: fuf	Gas	CARRIER					1993	1991-1995	Yes
11315	06022	Eugene City of	NW Natural	NWP	1188	11315	1	FALSE	FALSE	HVAC: Hstove	Gas	CARRIER					Unknown	No	
11317	15248	Portland General	NW Natural	IOU	6933	11317	1	TRUE	TRUE	HVAC: Hstove	Wood						Unknown	No	
11317	15248	Portland General	NW Natural	IOU	6933	11317	1	FALSE	FALSE	HVAC: baseboard	Electric						Unknown	No	
11317	15248	Portland General	NW Natural	IOU	6933	11317	1	FALSE	FALSE	HVAC: boiler	Gas	APOLLO	A650NRR	40000			Unknown	No	
11323	17470	Snohomish County PUD	NW Natural	IOU	2004	11323	1	TRUE	TRUE	HVAC: dhp	Electric	FUJITS	AOUJ2RL				Unknown	No	
11323	17470	Snohomish County PUD	NW Natural	IOU	2004	11323	1	FALSE	FALSE	HVAC: baseboard	Electric						Unknown	No	
11323	17470	Snohomish County PUD	NW Natural	IOU	2004	11323	1	FALSE	FALSE	HVAC: baseboard	Pellets						Unknown	No	
11323	17470	Snohomish County PUD	NW Natural	IOU	2004	11323	1	FALSE	FALSE	HVAC: Hstove	Wood						Unknown	No	
11327	17470	Snohomish County PUD	NW Natural	IOU	2004	11327	1	TRUE	TRUE	HVAC: baseboard	Electric						Unknown	No	
11327	17470	Snohomish County PUD	NW Natural	IOU	2004	11327	1	FALSE	FALSE	HVAC: Hstove	Wood						Unknown	No	
11332	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11332	1	TRUE	TRUE	HVAC: baseboard	Electric						Unknown	No	
11332	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11332	1	FALSE	FALSE	HVAC: Hstove	Wood						Unknown	No	
11339	16868	Seattle City of	Puget Sound Energy	NWP	1525	11339	1	TRUE	TRUE	HVAC: fuf	Oil						Unknown	No	
11341	18429	Tacoma City of	Puget Sound Energy	NWP	1465	11341	1	FALSE	FALSE	HVAC: baseboard	Electric	BRYANT	315AAVO	71000			2004	2001-2005	Yes
11341	18429	Tacoma City of	Puget Sound Energy	NWP	1465	11341	1	TRUE	TRUE	HVAC: fuf	Wood						Unknown	Yes	
11342	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11342	1	FALSE	FALSE	HVAC: Hstove	Gas						Unknown	No	
11342	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11342	1	TRUE	TRUE	HVAC: baseboard	Electric						Unknown	No	
11346	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11346	1	FALSE	FALSE	HVAC: Hstove	Propane						Unknown	No	
11347	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11347	1	TRUE	TRUE	HVAC: fuf	Gas	CARRIER	58RAV050	37000			2009	2006-2011	Yes
11347	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11347	1	FALSE	FALSE	HVAC: Hstove	Electric						Unknown	No	
11349	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11349	1	TRUE	TRUE	HVAC: fuf	Wood						Unknown	No	
11349	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11349	1	FALSE	FALSE	HVAC: Hstove	Gas	RHEEM	RGLH	60500			2004	2001-2005	No
11349	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11349	1	TRUE	TRUE	HVAC: fuf	Propane						Unknown	No	
11352	15248	Portland General	NW Natural	IOU	6933	11352	1	FALSE	FALSE	HVAC: baseboard	Gas						Unknown	No	
11352	15248	Portland General	NW Natural	IOU	6933	11352	1	TRUE	TRUE	HVAC: Hstove	Electric						Unknown	No	
11375	16868	Seattle City of	Puget Sound Energy	NWP	1525	11375	1	TRUE	TRUE	HVAC: fuf	Gas	GOODMA	GMS6070	64000			2002	2001-2005	Yes
11377	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11377	1	FALSE	FALSE	HVAC: Hstove	Gas	AMERICA	ADD080C	64000			2000	1996-2000	Yes
11377	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11377	1	TRUE	TRUE	HVAC: fuf	Gas						Unknown	Yes	
11409	06022	Eugene City of	NW Natural	NWP	1188	11409	1	TRUE	TRUE	HVAC: Hstove	Electric	YORK	e1re0245	13500			2008	2006-2011	No
11411	18429	Tacoma City of	Puget Sound Energy	NWP	1465	11411	1	TRUE	TRUE	HVAC: fuf	Gas	AMERICA					2004	2001-2005	Yes
11411	18429	Tacoma City of	Puget Sound Energy	NWP	1465	11411	1	FALSE	FALSE	HVAC: Hstove	Gas						Unknown	Yes	
11411	18429	Tacoma City of	Puget Sound Energy	NWP	1465	11411	1	FALSE	FALSE	HVAC: Hstove	Wood						Unknown	Yes	
11414	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11414	1	TRUE	TRUE	HVAC: fuf	Gas	CARRIER	58TU080	65000			1999	1996-2000	No
11414	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11414	1	FALSE	FALSE	HVAC: Hstove	Gas						Unknown	No	
11416	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11416	1	TRUE	TRUE	HVAC: fuf	Gas	NORDPNE	NGRN060	40000			2007	2006-2011	Yes
11416	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11416	1	FALSE	FALSE	HVAC: Hstove	Gas						Unknown	Yes	
11417	15500	Puget Sound Energy Inc	CHG - Cascade Natural Gas	IOU	4956	11417	1	FALSE	FALSE	HVAC: Hstove	Electric						Unknown	No	
11417	15500	Puget Sound Energy Inc	CHG - Cascade Natural Gas	IOU	4956	11417	1	TRUE	TRUE	HVAC: fuf	Gas	COLEMAN	h33034f	14000			1984	1981-1985	No
11418	15248	Portland General	NW Natural	IOU	6933	11418	1	FALSE	FALSE	HVAC: Hstove	Gas	LENNOX	g210314e				2008	2006-2011	No
11420	15248	Portland General	NW Natural	IOU	6933	11420	1	TRUE	TRUE	HVAC: Hstove	Wood						1996	1996-2000	No
11427	16868	Seattle City of	Puget Sound Energy	NWP	1525	11427	1	TRUE	TRUE	HVAC: fuf	Gas	KENMORE	h16975b				1984	1981-1985	Yes
11430	15248	Portland General	NW Natural	IOU	6933	11430	1	TRUE	TRUE	HVAC: Hstove	Gas	RHEEM	RGLD7EA	60000			1997	1996-2000	No
11430	15248	Portland General	NW Natural	IOU	6933	11430	1	FALSE	FALSE	HVAC: Hstove	Oil						Unknown	No	
11452	15248	Portland General	NW Natural	IOU	6933	11452	1	TRUE	TRUE	HVAC: baseboard	Electric						Unknown	No	
11452	15248	Portland General	NW Natural	IOU	6933	11452	1	FALSE	FALSE	HVAC: baseboard	Gas	COLEMAN	GU95406	64125			2004	2001-2005	Yes
11467	16868	Seattle City of	Puget Sound Energy	NWP	1525	11467	1	TRUE	TRUE	HVAC: fuf	Gas						Unknown	Yes	
11472	16868	Seattle City of	Puget Sound Energy	NWP	1525	11472	1	FALSE	FALSE	HVAC: baseboard	Electric						Unknown	Yes	
11472	16868	Seattle City of	Puget Sound Energy	NWP	1525	11472	1	FALSE	FALSE	HVAC: Hstove	Wood						Unknown	Yes	
11472	16868	Seattle City of	Puget Sound Energy	NWP	1525	11472	1	TRUE	TRUE	HVAC: Hstove	Gas						Unknown	No	
11475	15248	Portland General	NW Natural	IOU	6933	11475	1	TRUE	TRUE	HVAC: fuf	Gas	AMERICA	8394XK1Z				2002	2001-2005	No
11475	15248	Portland General	NW Natural	IOU	6933	11475	1	FALSE	FALSE	HVAC: Hstove	Gas						2009	2006-2011	Yes
11476	16868	Seattle City of	Puget Sound Energy	NWP	1525	11476	1	TRUE	TRUE	HVAC: fuf	Oil						Unknown	No	
11478	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11478	1	FALSE	FALSE	HVAC: baseboard	Wood						Unknown	No	
11478	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11478	2	FALSE	FALSE	HVAC: Hstove	Gas	BRYANT	2104A306	54000			2004	2001-2005	No
11478	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11478	2	TRUE	TRUE	HVAC: fuf	Gas	LENNOX	80MGF4	60000			1998	1996-2000	Yes
11496	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11496	1	FALSE	FALSE	HVAC: Hstove	Gas						Unknown	Yes	
11496	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11496	1	TRUE	TRUE	HVAC: Hstove	Gas						Unknown	Yes	
11499	06022	Eugene City of	Puget Sound Energy	NWP	1188	11499	1	TRUE	TRUE	HVAC: Hstove	Pellets						Unknown	No	
11503	16868	Seattle City of	Puget Sound Energy	NWP	1525	11503	1	FALSE	FALSE	HVAC: baseboard	Electric						Unknown	No	
11503	16868	Seattle City of	Puget Sound Energy	NWP	1525	11503	1	TRUE	TRUE	HVAC: dhp	Electric	DAIKIN	cxk312hw				2010	2006-2011	No
11504	15248	Portland General	NW Natural	IOU	6933	11504	1	FALSE	FALSE	HVAC: Hstove	Propane						Unknown	No	
11504	15248	Portland General	NW Natural	IOU	6933	11504	2	FALSE	FALSE	HVAC: Hstove	Gas	COMFORT	N8MSN07	53000			2010	2006-2011	Yes
11512	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11512	1	TRUE	TRUE	HVAC: fuf	Gas						Unknown	Yes	
11512	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11512	1	FALSE	FALSE	HVAC: Hstove	Gas						Unknown	Yes	
11512	17470	Snohomish County PUD	Puget Sound Energy	NWP	2004	11512	1	FALSE	FALSE	HVAC: pluginheater	Gas	WEIL		40000			Unknown	Yes	
11516	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11516	1	TRUE	TRUE	HVAC: boiler	Gas						Unknown		

populati	utility_id	Electric Utility	Gas Utility	Utility Type	svy_wt	HVACCheating_stdid	CountOfHVACHeat	HVACPrimary	HVACType	HVACBackul	HVACFuel	HVACWatt	HVACModt	HVACCap	HVACPlumb	HVACYear	Vintage	Any PSE Service Territory
11539	17470	Snohomish County PUD		NWP	2004	11539	1	TRUE	baseboard	Electric	Electric					Unknown	No	
11544	15500	Puget Sound Energy Inc		IOU	4956	11544	1	TRUE	baseboard	Electric	Electric					Unknown	No	
11544	15500	Puget Sound Energy Inc		IOU	4956	11544	1	FALSE	fireplace	Wood	Wood					Unknown	No	
11549	16868	Seattle City of		NWP	1525	11549	1	TRUE	raf	Oil	Oil					Unknown	No	
11549	16868	Seattle City of		NWP	1525	11549	1	FALSE	hstove	Wood	Wood					Unknown	No	
11552	18429	Tacoma City of		NWP	1465	11552	1	TRUE	raf	Gas	BRYANT	33AAV036	67000			2001	2001-2005	Yes
11552	18429	Tacoma City of		NWP	1465	11552	1	FALSE	hstove	Wood	Wood					Unknown	Yes	
11555	17470	Snohomish County PUD		NWP	2004	11555	1	TRUE	baseboard	Electric	Electric					Unknown	No	
11574	15500	Puget Sound Energy Inc		IOU	4956	11574	1	FALSE	hstove	Propane	Propane					Unknown	No	
11585	16868	Seattle City of		NWP	1525	11585	1	TRUE	baseboard	Electric	Electric					Unknown	No	
11585	16868	Seattle City of		NWP	1525	11585	1	FALSE	fireplace	Wood	Wood					Unknown	No	
11602	04442	PUD No 1 of Covitz		IOU	1151	11602	1	TRUE	baseboard	Electric	Electric					Unknown	Yes	
11633	15500	Puget Sound Energy Inc		IOU	4956	11633	1	FALSE	hstove	Wood	Wood					2000	1996-2000	Yes
11633	15500	Puget Sound Energy Inc		IOU	4956	11633	1	FALSE	baseboard	Electric	Electric					Unknown	Yes	
11636	18429	Tacoma City of		NWP	1465	11636	1	TRUE	baseboard	Gas	Gas					Unknown	Yes	
11636	18429	Tacoma City of		NWP	1465	11636	1	FALSE	hstove	Wood	Wood					Unknown	Yes	
11636	18429	Tacoma City of		NWP	1465	11636	1	TRUE	raf	Oil	Oil					Unknown	No	
11639	18429	Tacoma City of		NWP	1465	11639	2	FALSE	hstove	Wood	Wood					Unknown	No	
11645	16868	Seattle City of		NWP	1525	11645	1	TRUE	boiler	Oil	OIL	CAPITAL	Capital			Unknown	No	
11653	16868	Seattle City of		NWP	1525	11653	1	TRUE	raf	Oil	Oil	YORK	GY95100C	93000		2008	2006-2011	Yes
11653	16868	Seattle City of		NWP	1525	11653	1	FALSE	hstove	Gas	Gas					Unknown	Yes	
11653	16868	Seattle City of		NWP	1525	11653	1	FALSE	hstove	Wood	Wood					Unknown	Yes	
11670	16868	Seattle City of		NWP	1525	11670	1	TRUE	baseboard	Electric	Electric					Unknown	No	
11675	15248	Portland General		IOU	6933	11675	1	TRUE	raf	Gas	Gas					1998	1996-2000	No
11675	15248	Portland General		IOU	6933	11675	1	FALSE	fireplace	Wood	Wood					Unknown	No	
11675	15248	Portland General		IOU	6933	11675	1	FALSE	hstove	Gas	Gas					Unknown	No	
11677	16868	Seattle City of		NWP	1525	11677	2	FALSE	baseboard	Electric	Electric					Unknown	No	
11677	16868	Seattle City of		NWP	1525	11677	2	FALSE	hstove	Wood	Wood					Unknown	No	
11679	15248	Portland General		IOU	6933	11679	1	TRUE	raf	Gas	Gas					1991	1991-1995	No
11679	15248	Portland General		IOU	6933	11679	1	FALSE	hstove	Gas	Gas					Unknown	No	
11684	17470	Snohomish County PUD		IOU	2004	11684	1	TRUE	baseboard	Electric	Electric					Unknown	No	
11684	17470	Snohomish County PUD		IOU	2004	11684	1	FALSE	hstove	Wood	Wood					Unknown	No	
11702	17470	Snohomish County PUD		NWP	2004	11702	1	TRUE	baseboard	Electric	Electric					Unknown	No	
11705	18429	Tacoma City of		NWP	1465	11705	1	FALSE	baseboard	Gas	Gas					2005	2001-2005	Yes
11705	18429	Tacoma City of		NWP	1465	11705	1	FALSE	hstove	Electric	Electric					Unknown	Yes	
11713	17470	Snohomish County PUD		IOU	2004	11713	1	TRUE	raf	Electric	Electric					Unknown	No	
11717	15248	Portland General		IOU	6933	11717	1	FALSE	baseboard	Electric	Electric					2002	2001-2005	No
11729	16868	Seattle City of		NWP	1525	11729	1	FALSE	baseboard	Electric	Electric					Unknown	No	
11729	16868	Seattle City of		NWP	1525	11729	1	FALSE	fireplace	Wood	Wood					Unknown	Yes	
11729	16868	Seattle City of		NWP	1525	11729	1	FALSE	hstove	Electric	Electric					Unknown	Yes	
11729	16868	Seattle City of		NWP	1525	11729	1	FALSE	hstove	Gas	Gas					2011	2006-2011	No
11732	15500	Puget Sound Energy Inc		IOU	4956	11732	1	TRUE	raf	Gas	ULTA	1N60B110	80000			2008	2006-2011	Yes
11732	15500	Puget Sound Energy Inc		IOU	4956	11732	2	FALSE	hstove	Wood	Wood					Unknown	Yes	
11734	16868	Seattle City of		NWP	1525	11734	1	TRUE	raf	Gas	ARMATRO	G1180AU	60000			2001	2001-2005	Yes
11739	16868	Seattle City of		NWP	1525	11739	1	TRUE	raf	Gas	THEIRMO					1995	1991-1995	Yes
11749	18429	Tacoma City of		NWP	1465	11749	1	TRUE	hstove	Wood	Wood					Unknown	No	
11749	18429	Tacoma City of		NWP	1465	11749	1	FALSE	hstove	Electric	Electric	AMERICA	24H2024			2003	2001-2005	No
11753	17470	Snohomish County PUD		NWP	2004	11753	1	TRUE	raf	Oil	Oil					Unknown	No	
11753	17470	Snohomish County PUD		NWP	2004	11753	1	FALSE	hstove	Gas	DUCANE	CHP4100	180000			1999	1996-2000	Yes
11753	17470	Snohomish County PUD		NWP	2004	11753	2	FALSE	hstove	Gas	TRANE	X1L151	12000			Unknown	Yes	
11762	18429	Tacoma City of		NWP	1465	11762	1	TRUE	heatpump	Electric	Electric					2010	2006-2011	Yes
11766	15500	Puget Sound Energy Inc		IOU	4956	11766	1	TRUE	raf	Gas	CARRIER	588AV095	74000			1999	1996-2000	Yes
11766	15500	Puget Sound Energy Inc		IOU	4956	11766	1	FALSE	hstove	Gas	CARRIER	588AV095	31000			Unknown	Yes	
11769	15500	Puget Sound Energy Inc		IOU	4956	11769	1	TRUE	raf	Gas	CARRIER	398AAZ04	90000			1991	1991-1995	Yes
11769	15500	Puget Sound Energy Inc		IOU	4956	11769	1	FALSE	hstove	Gas	CARRIER	398AAZ04	12000			Unknown	Yes	
11772	18429	Tacoma City of		NWP	1465	11772	1	TRUE	hstove	Gas	Gas					Unknown	No	
11774	15248	Portland General		IOU	6933	11774	1	TRUE	raf	Gas	TRANE	TWR630C	24000			2003	2001-2005	No
11775	15500	Puget Sound Energy Inc		IOU	4956	11775	1	TRUE	heatpump	Electric	Electric					Unknown	No	
11775	15500	Puget Sound Energy Inc		IOU	4956	11775	1	FALSE	fireplace	Wood	Wood					Unknown	No	
11775	15500	Puget Sound Energy Inc		IOU	4956	11775	1	FALSE	hstove	Wood	Wood					Unknown	No	
11775	15500	Puget Sound Energy Inc		IOU	4956	11775	1	FALSE	plughheater	Electric	Electric					Unknown	No	
11779	16868	Seattle City of		NWP	1525	11779	1	TRUE	baseboard	Electric	Electric					Unknown	No	
11780	04442	PUD No 1 of Covitz		NWP	1151	11780	1	TRUE	heatpump	Electric	Electric					Unknown	No	
11788	15500	Puget Sound Energy Inc		IOU	4956	11788	1	TRUE	raf	Gas	TRANE	tw6030C1	82000			1995	1991-1995	No
11788	15500	Puget Sound Energy Inc		IOU	4956	11788	2	FALSE	hstove	Gas	LENNOX	g51mp6C0	40000			2006	2006-2011	No
11788	15500	Puget Sound Energy Inc		IOU	4956	11788	1	FALSE	hstove	Gas	Gas					Unknown	No	
11794	18429	Tacoma City of		NWP	1465	11794	1	TRUE	baseboard	Electric	Electric					Unknown	No	
11802	06022	Eugene City of		NWP	1188	11802	1	TRUE	baseboard	Electric	Electric					Unknown	No	
11806	15500	Puget Sound Energy Inc		IOU	4956	11806	1	TRUE	raf	Electric	Electric					1997	1996-2000	No
11806	15500	Puget Sound Energy Inc		IOU	4956	11806	1	TRUE	hstove	Wood	Wood					Unknown	No	
11815	15248	Portland General		IOU	6933	11815	1	FALSE	fireplace	Wood	Wood					Unknown	No	
11815	15248	Portland General		IOU	6933	11815	1	TRUE	hstove	Gas	Gas					Unknown	No	
11815	15248	Portland General		IOU	6933	11815	2	FALSE	baseboard	Electric	Electric					Unknown	No	
11815	15248	Portland General		IOU	6933	11815	1	FALSE	hstove	Propane	Propane					Unknown	No	
11825	18429	Tacoma City of		NWP	1465	11825	1	FALSE	hstove	Wood	Wood					Unknown	No	
11825	18429	Tacoma City of		NWP	1465	11825	2	FALSE	baseboard	Electric	Electric					Unknown	No	
11825	18429	Tacoma City of		NWP	1465	11825	1	FALSE	fireplace	Wood	Wood					Unknown	No	
11827	15500	Puget Sound Energy Inc		IOU	4956	11827	1	TRUE	boiler	Gas	MUNCHKI	140MASM	133140			Unknown	Yes	

populati	utility_id	Electric Utility	Gas Utility	Utility Type	sw_wt	HVACCheating_sited	CountOfHVACHeat	HVACPrimary	HVACType	HVACBackul	HVACFuel	HVACWatt	HVACWood	HVACOil	HVACPlumb	HVACYear	Vintage	Any PSE Service Territory
11827	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11827	1	FALSE	Heatstove	Gas	Wood					Unknown	Yes	
11835	18429	Tacoma City of		NWP	1465	11835	1	TRUE	Heatstove	Gas	Wood					Unknown	No	
11835	18429	Tacoma City of		NWP	1465	11835	1	FALSE	baseboard	Electric	Electric					Unknown	No	
11836	17470	Snohomish County PUD		NWP	2004	11836	1	TRUE	fan	Oil	Oil					Unknown	No	
11838	17470	Snohomish County PUD		NWP	2004	11838	1	TRUE	Heatstove	Pellets	Pellets					Unknown	Yes	
11838	17470	Snohomish County PUD		NWP	2004	11838	1	FALSE	baseboard	Electric	Electric					Unknown	Yes	
11842	15500	Puget Sound Energy Inc	CNG - Cascade Natural Gas	IOU	4956	11842	1	TRUE	pluginheater	Gas	TRANE TU080A9				54000	1993-1991-1995	No	
11844	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11844	1	FALSE	Heatstove	Electric	Electric					Unknown	Yes	
11844	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	11844	1	FALSE	boiler	Gas	AMERICA pg1050-				48750	Unknown	Yes	
11860	17470	Snohomish County PUD		NWP	2004	11860	1	FALSE	baseboard	Gas	Gas					Unknown	No	
11860	17470	Snohomish County PUD		NWP	2004	11860	1	FALSE	Heatstove	Propane	Propane					Unknown	No	
11871	15500	Puget Sound Energy Inc		IOU	4956	11871	1	TRUE	baseboard	Electric	Electric					Unknown	No	
11872	16868	Seattle City of		NWP	1525	11872	1	TRUE	fan	Gas	ARMSTRO G1N80BT				40000	2006-2006-2011	Yes	
11873	16868	Seattle City of		NWP	1525	11873	1	FALSE	pluginheater	Electric	Electric					Unknown	Yes	
11873	16868	Seattle City of		NWP	1525	11873	1	TRUE	fan	Gas	INTERNAT inc6075fb					2002-2001-2005	Yes	
11880	17470	Snohomish County PUD		IOU	2004	11880	1	TRUE	Heatstove	Wood	Wood					Unknown	No	
11894	15500	Puget Sound Energy Inc		IOU	4956	11894	1	TRUE	fan	Gas	BRYANT 310AAV03				36000	2005-2001-2005	Yes	
11894	15500	Puget Sound Energy Inc		IOU	4956	11894	1	FALSE	Heatstove	Gas	Gas					Unknown	Yes	
11896	17470	Snohomish County PUD		NWP	2004	11896	1	TRUE	fan	Gas	WESTING LIRA05-4N-				40000	2007-2006-2011	Yes	
11900	16868	Seattle City of		NWP	1525	11900	1	TRUE	fan	Gas	BRYANT 312AAV02				53000	2004-2001-2005	Yes	
11900	16868	Seattle City of		NWP	1525	11900	1	FALSE	baseboard	Electric	Electric					Unknown	Yes	
11901	16868	Seattle City of		NWP	1525	11901	1	FALSE	Heatstove	Wood	Wood					Unknown	Yes	
11904	18429	Tacoma City of		NWP	1465	11904	1	TRUE	fan	Gas	GOODMA GMPN080-				72000	1993-1991-1995	Yes	
11904	18429	Tacoma City of		NWP	1465	11904	1	FALSE	Heatstove	Wood	Wood					Unknown	Yes	
11908	17470	Snohomish County PUD		NWP	2004	11908	1	FALSE	pluginheater	Electric	Electric					Unknown	Yes	
11910	17470	Snohomish County PUD		NWP	2004	11910	1	TRUE	fan	Gas	YORK				60000	Unknown	Yes	
11910	17470	Snohomish County PUD		NWP	2004	11910	1	FALSE	Heatstove	Wood	Wood					Unknown	Yes	
11914	15248	Portland General	NW Natural	IOU	6933	11914	1	TRUE	fan	Gas	CARRIER 582AV095				74000	1994-1991-1995	No	
11925	15500	Puget Sound Energy Inc		IOU	4956	11925	1	FALSE	Heatstove	Gas	AMERICA 446H5036					Unknown	No	
11925	15500	Puget Sound Energy Inc		IOU	4956	11925	1	FALSE	Heatstove	Gas	Gas					Unknown	No	
11931	17470	Snohomish County PUD		NWP	2004	11931	1	FALSE	Heatstove	Propane	Propane					Unknown	No	
11933	17470	Snohomish County PUD		NWP	2004	11933	1	TRUE	fan	Wood	Wood					60000	2007-2006-2011	Yes
11943	15500	Puget Sound Energy Inc		IOU	4956	11943	1	FALSE	Heatstove	Wood	Wood					Unknown	Yes	
11943	15500	Puget Sound Energy Inc		IOU	4956	11943	1	TRUE	fan	Gas	DAY & C8MPV07				95000	2010-2006-2011	Yes	
11951	17470	Snohomish County PUD		NWP	2004	11951	1	FALSE	Heatstove	Wood	Wood					Unknown	Yes	
11951	17470	Snohomish County PUD		NWP	2004	11951	1	FALSE	fireplace	Electric	Electric					Unknown	Yes	
11951	17470	Snohomish County PUD		NWP	2004	11951	1	FALSE	pluginheater	Electric	Electric					Unknown	Yes	
11954	16868	Seattle City of		NWP	1525	11954	1	TRUE	fan	Gas	GOODMA gmi18070				40000	2008-2006-2011	Yes	
11954	16868	Seattle City of		NWP	1525	11954	1	FALSE	baseboard	Electric	Electric					Unknown	Yes	
11954	16868	Seattle City of		NWP	1525	11954	1	TRUE	fan	Gas	Gas					Unknown	No	
11956	15248	Portland General	NW Natural	IOU	6933	11956	1	TRUE	fan	Wood	Wood					2004-2001-2005	No	
11956	15248	Portland General	NW Natural	IOU	6933	11956	1	FALSE	fireplace	Wood	Wood					Unknown	No	
11971	15248	Seattle City of		NWP	1188	11971	1	TRUE	fan	Gas	LENOX G51MP36				82000	2009-2006-2011	No	
11978	06022	Eugene City of		NWP	1188	11978	1	TRUE	fan	Gas	CARRIER 58CAV090					2005-2001-2005	Yes	
11978	06022	Eugene City of		NWP	1188	11978	1	TRUE	fan	Gas	AMERICA					1993-1991-1995	No	
11980	06022	Seattle City of		NWP	1525	11980	1	FALSE	Heatstove	Pellets	Pellets					Unknown	No	
11980	06022	Seattle City of		NWP	1525	11980	1	FALSE	Heatstove	Gas	Gas					Unknown	Yes	
11980	06022	Seattle City of		NWP	1525	11980	1	FALSE	Heatstove	Wood	Wood					Unknown	Yes	
11982	06022	Eugene City of		NWP	1188	11982	1	TRUE	baseboard	Electric	Electric					Unknown	No	
11982	06022	Eugene City of		NWP	1188	11982	1	FALSE	Heatstove	Wood	Wood					Unknown	No	
11982	06022	Eugene City of		NWP	1188	11982	1	TRUE	fan	Gas	AMERICA TUV080R9				73000	2002-2001-2005	Yes	
11983	17470	Snohomish County PUD		NWP	2004	11983	1	FALSE	baseboard	Electric	Electric					Unknown	Yes	
11983	17470	Snohomish County PUD		NWP	2004	11983	1	FALSE	pluginheater	Electric	Electric					Unknown	Yes	
12016	16868	Seattle City of		NWP	1525	12016	1	FALSE	baseboard	Electric	Electric					Unknown	No	
12018	15248	Portland General	NW Natural	IOU	6933	12018	1	TRUE	fan	Gas	AMERICA aud10099				80000	2000-1996-2000	No	
12018	15248	Portland General	NW Natural	IOU	6933	12018	1	FALSE	Heatstove	Gas	Gas					Unknown	No	
12021	16868	Seattle City of		NWP	1525	12021	1	TRUE	fan	Oil	Oil					Unknown	No	
12021	16868	Seattle City of		NWP	1525	12021	1	FALSE	Heatstove	Wood	Wood					Unknown	No	
12031	19429	Tacoma City of		NWP	1465	12031	1	TRUE	fan	Gas	AMERICA AMANA				64000	2007-2006-2011	No	
12033	06022	Eugene City of		NWP	1188	12033	1	TRUE	fan	Electric	Electric					Unknown	Yes	
12033	06022	Eugene City of		NWP	1188	12033	1	FALSE	baseboard	Electric	Electric					Unknown	No	
12035	17470	Snohomish County PUD		NWP	2004	12035	1	TRUE	fan	Gas	AMERICA					Unknown	Yes	
12039	15500	Puget Sound Energy Inc		IOU	4956	12039	1	TRUE	fan	Electric	Electric					1968-1966-1970	Yes	
12039	15500	Puget Sound Energy Inc		IOU	4956	12039	1	TRUE	fan	Wood	MITSUBI MSZ-					2009-2006-2011	No	
12039	15500	Puget Sound Energy Inc		IOU	4956	12039	1	FALSE	baseboard	Gas	Gas					Unknown	No	
12049	18429	Tacoma City of		NWP	1465	12049	1	TRUE	fan	Electric	Electric					Unknown	No	
12049	18429	Tacoma City of		NWP	1465	12049	1	FALSE	baseboard	Wood	Wood					Unknown	Yes	
12054	16868	Seattle City of		NWP	1525	12054	1	FALSE	boiler	Gas	VISSMA V/cogas				95000	Unknown	Yes	
12054	16868	Seattle City of		NWP	1525	12054	1	FALSE	baseboard	Electric	Electric					Unknown	Yes	
12054	16868	Seattle City of		NWP	1525	12054	1	FALSE	Heatstove	Wood	Wood					Unknown	Yes	
12060	18429	Tacoma City of		NWP	1465	12060	1	TRUE	fan	Gas	WEATHER 80P507EB					2007-2006-2011	Yes	
12060	18429	Tacoma City of		NWP	1465	12060	1	FALSE	baseboard	Electric	Electric					Unknown	Yes	
12060	18429	Tacoma City of		NWP	1465	12060	1	FALSE	Heatstove	Wood	Wood					Unknown	Yes	
12062	15248	Portland General		IOU	6933	12062	1	TRUE	fan	Electric	Electric					2001-2001-2005	No	
12062	15248	Portland General		IOU	6933	12062	1	FALSE	fireplace	Wood	Wood					Unknown	No	
12063	18429	Tacoma City of		NWP	1465	12063	1	TRUE	fan	Electric	Electric					1997-1996-2000	No	
12063	18429	Tacoma City of		NWP	1465	12063	1	FALSE	fireplace	Wood	Wood					Unknown	No	
12063	18429	Tacoma City of		NWP	1465	12063	1	FALSE	pluginheater	Electric	Electric					Unknown	No	
12064	16868	Seattle City of		NWP	1525	12064	1	TRUE	fan	Gas	PREMIER					1950 Before 1966	Yes	

popularity	utility_id	Electric Utility	Gas Utility	Utility Type	svw_wt	HVAC Heating, Stead	Count	HVAC Heat	HVAC Primary	HVAC Type	HVAC Backul	HVAC Fuel	HVAC Min	HVAC Mod	HVAC Outp	HVAC Pump	HVAC Year	Vintage	Any PSE Service Territory
13401	15500	Puget Sound Energy Inc	CNG - Cascade Natural Gas	IOU	4956	13401	1	TRUE fuf	TRUE fuf	Gas	COLEMAN	IGRS0808	76000	2011	2006-2011	No	No	No	
13420	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13420	1	FALSE Istove	FALSE Istove	Gas	PAYNE	PG8MAA0	53000	2003	2001-2005	Yes	Yes	Yes	
13426	06022	Eugene City of	NW Natural	NWP	1188	13426	1	TRUE fuf	TRUE fuf	Gas	HEIL	NUGE080		1984	1981-1985	No	No	No	
13427	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13427	4	FALSE fireplace	FALSE fireplace	Gas						Yes	Yes	Yes	
13427	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13427	1	FALSE pluginheater	FALSE pluginheater	Electric						Yes	Yes	Yes	
13435	18429	Tacoma City of	Puget Sound Energy	NWP	1465	13435	1	TRUE fuf	TRUE fuf	Gas	TRANE	TUH2B06	57000	2010	2006-2011	Yes	Yes	Yes	
13445	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13445	1	TRUE heatpump	TRUE heatpump	Propane	PAYNE	PH10JA06		2002	2001-2005	No	No	No	
13445	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13445	2	FALSE fireplace	FALSE fireplace	Electric						No	No	No	
13451	04442	PUD No 1 of Cowlitz	CNG - Cascade Natural Gas	IOU	1151	13451	1	TRUE fuf	TRUE fuf	Gas	MITSUBISI	IM5-2		2010	2006-2011	No	No	No	
13451	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13451	1	TRUE fuf	TRUE fuf	Gas	TRANE	GD105DAE		1998	1996-2000	No	No	No	
13455	17470	Snohomish County PUD		NWP	2004	13455	1	FALSE baseboard	FALSE baseboard	Wood						No	No	No	
13455	17470	Snohomish County PUD		NWP	2004	13455	1	FALSE Istove	FALSE Istove	Wood						No	No	No	
13462	18429	Tacoma City of	Puget Sound Energy	NWP	1465	13462	1	FALSE Istove	FALSE Istove	Gas	YORK	P1DUB12	53000	2009	2006-2011	Yes	Yes	Yes	
13474	16868	Seattle City of	Puget Sound Energy	NWP	1525	13474	1	FALSE Istove	FALSE Istove	Gas	AMERICA	ADD1B08	72000	2008	2006-2011	Yes	Yes	Yes	
13490	18429	Tacoma City of	Puget Sound Energy	NWP	1465	13490	1	FALSE Istove	FALSE Istove	Wood						Yes	Yes	Yes	
13490	18429	Tacoma City of	Puget Sound Energy	NWP	1465	13490	1	TRUE heatpump	TRUE heatpump	Electric	TRANE	21TWR303		2006	2006-2011	No	No	No	
13494	17470	Snohomish County PUD	CNG - Cascade Natural Gas	NWP	2004	13494	1	TRUE fuf	TRUE fuf	Gas	RHEEM	RGLH-	60000	2001	2001-2005	No	No	No	
13495	18429	Tacoma City of	Puget Sound Energy	NWP	1465	13495	1	FALSE baseboard	FALSE baseboard	Electric	COLEMAN	CP9C808	77000	2006	2006-2011	Yes	Yes	Yes	
13495	18429	Tacoma City of	Puget Sound Energy	NWP	1465	13495	2	FALSE Istove	FALSE Istove	Wood						Yes	Yes	Yes	
13505	18429	Tacoma City of	Puget Sound Energy	NWP	1465	13505	1	TRUE fuf	TRUE fuf	Gas	CARRIER	585TA070	53000	2003	2001-2005	Yes	Yes	Yes	
13507	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13507	1	FALSE fireplace	FALSE fireplace	Wood						No	No	No	
13507	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13507	1	FALSE pluginheater	FALSE pluginheater	Electric						No	No	No	
13514	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13514	1	TRUE fuf	TRUE fuf	Gas	PAYNE	80D-19	64000	1977	1976-1980	Yes	Yes	Yes	
13514	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13514	1	FALSE Istove	FALSE Istove	Wood						Yes	Yes	Yes	
13524	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13524	1	TRUE fuf	TRUE fuf	Gas	BRYANT	310JAV04	51000	2008	2006-2011	Yes	Yes	Yes	
13524	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13524	1	FALSE pluginheater	FALSE pluginheater	Electric						Yes	Yes	Yes	
13554	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13554	1	TRUE fuf	TRUE fuf	Gas						Yes	Yes	Yes	
13554	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13554	1	FALSE pluginheater	FALSE pluginheater	Electric						Yes	Yes	Yes	
13621	18429	Tacoma City of	Puget Sound Energy	NWP	1465	13621	1	TRUE Istove	TRUE Istove	Oil						No	No	No	
13649	17470	Snohomish County PUD		NWP	2004	13649	1	FALSE Istove	FALSE Istove	Pellets						No	No	No	
13649	17470	Snohomish County PUD		NWP	2004	13649	2	FALSE baseboard	FALSE baseboard	Wood						No	No	No	
13649	17470	Snohomish County PUD		NWP	2004	13649	1	FALSE Istove	FALSE Istove	Wood						No	No	No	
13651	18429	Tacoma City of	Puget Sound Energy	NWP	1465	13651	1	TRUE baseboard	TRUE baseboard	Electric						No	No	No	
13651	18429	Tacoma City of	Puget Sound Energy	NWP	1465	13651	1	FALSE baseboard	FALSE baseboard	Electric						No	No	No	
13659	16868	Seattle City of	Puget Sound Energy	NWP	1525	13659	1	FALSE fireplace	FALSE fireplace	Gas	THERMO	4020410		1993	1991-1995	Yes	Yes	Yes	
13659	16868	Seattle City of	Puget Sound Energy	NWP	1525	13659	2	FALSE pluginheater	FALSE pluginheater	Wood						Yes	Yes	Yes	
13672	06022	Eugene City of	Puget Sound Energy	NWP	1188	13672	1	TRUE baseboard	TRUE baseboard	Electric						Yes	Yes	Yes	
13672	06022	Eugene City of	Puget Sound Energy	NWP	1188	13672	1	FALSE baseboard	FALSE baseboard	Electric						No	No	No	
13672	06022	Eugene City of	Puget Sound Energy	NWP	1188	13672	1	FALSE pluginheater	FALSE pluginheater	Electric						No	No	No	
13678	17470	Snohomish County PUD	Puget Sound Energy	NWP	1838	13678	1	TRUE fuf	TRUE fuf	Gas	HEIL	HRWVX06	57000	2010	2006-2011	Yes	Yes	Yes	
13678	17470	Snohomish County PUD	NW Natural	NWP	6933	13678	1	TRUE fuf	TRUE fuf	Gas	CARRIER	5810r100-	96000	2011	2006-2011	No	No	No	
13713	04442	PUD No 1 of Cowlitz	CNG - Cascade Natural Gas	NWP	1151	13713	1	TRUE Istove	TRUE Istove	Gas						No	No	No	
13713	04442	PUD No 1 of Cowlitz	CNG - Cascade Natural Gas	NWP	1188	13713	1	TRUE baseboard	TRUE baseboard	Electric						No	No	No	
13752	17470	Snohomish County PUD		NWP	2004	13752	1	FALSE Istove	FALSE Istove	Wood	MITSUBISI	INVZ-	28430	2010	2006-2011	No	No	No	
13752	17470	Snohomish County PUD		NWP	2004	13752	1	FALSE baseboard	FALSE baseboard	Electric						No	No	No	
13756	06022	Eugene City of	NW Natural	NWP	1188	13756	1	TRUE heatpump	TRUE heatpump	Electric						No	No	No	
13756	06022	Eugene City of	NW Natural	NWP	1188	13756	1	TRUE baseboard	TRUE baseboard	Electric						No	No	No	
13756	06022	Eugene City of	NW Natural	NWP	1188	13756	1	FALSE Istove	FALSE Istove	Gas						No	No	No	
13756	06022	Eugene City of	NW Natural	NWP	1188	13756	1	FALSE Istove	FALSE Istove	Wood						No	No	No	
13785	04442	PUD No 1 of Cowlitz		NWP	1151	13785	1	TRUE heatpump	TRUE heatpump	Electric	CARRIER	38YDB048		2004	2001-2005	No	No	No	
13803	17470	Snohomish County PUD		NWP	2004	13803	1	FALSE baseboard	FALSE baseboard	Electric						No	No	No	
13803	17470	Snohomish County PUD		NWP	2004	13803	1	FALSE Istove	FALSE Istove	Wood						No	No	No	
13817	06022	Eugene City of	NW Natural	NWP	1188	13817	1	TRUE heatpump/duel	TRUE heatpump/duel	Gas	TRANE	4twr4030		2009	2006-2011	No	No	No	
13817	06022	Eugene City of	NW Natural	NWP	1188	13817	1	FALSE Istove	FALSE Istove	Gas						No	No	No	
13829	18429	Tacoma City of	Puget Sound Energy	NWP	1465	13829	1	TRUE fuf	TRUE fuf	Oil	AMERICA	auh11080	76000	2010	2006-2011	No	No	No	
13863	18429	Tacoma City of	Puget Sound Energy	NWP	1465	13863	1	TRUE fuf	TRUE fuf	Gas						Yes	Yes	Yes	
13871	04442	PUD No 1 of Cowlitz		NWP	1151	13871	1	TRUE heatpump	TRUE heatpump	Electric	TRANE	4TWX6036		2005	2001-2005	Yes	Yes	Yes	
13871	04442	PUD No 1 of Cowlitz		NWP	1151	13871	1	FALSE Istove	FALSE Istove	Other	COLEMAN	DRHS0361		1999	1996-2000	No	No	No	
13880	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13880	1	FALSE pluginheater	FALSE pluginheater	Gas						Yes	Yes	Yes	
13880	15500	Puget Sound Energy Inc	Puget Sound Energy	IOU	4956	13880	1	FALSE baseboard	FALSE baseboard	Gas						Yes	Yes	Yes	
13895	16868	Seattle City of	NW Natural	NWP	1525	13895	2	FALSE baseboard	FALSE baseboard	Gas	PAYNE	pg5maa04	74000	2004	2001-2005	No	No	No	
13898	06022	Eugene City of	NW Natural	NWP	1188	13898	1	TRUE fuf	TRUE fuf	Gas						No	No	No	
13903	13248	Portland General	NW Natural	IOU	6933	13903	1	FALSE baseboard	FALSE baseboard	Gas						No	No	No	
13903	13248	Portland General	NW Natural	IOU	6933	13903	1	FALSE Istove	FALSE Istove	Wood						No	No	No	
13903	13248	Portland General	NW Natural	IOU	6933	13903	1	FALSE pluginheater	FALSE pluginheater	Electric						No	No	No	
13903	13248	Portland General	NW Natural	IOU	6933	13903	1	TRUE baseboard	TRUE baseboard	Electric						No	No	No	
13912	17470	Snohomish County PUD		NWP	2004	13912	1	TRUE Istove	TRUE Istove	Wood						No	No	No	
13912	17470	Snohomish County PUD		NWP	2004	13912	1	FALSE baseboard	FALSE baseboard	Gas	BRYANT	353baw03	56000	2010	2006-2011	Yes	Yes	Yes	
13948	16868	Seattle City of	Puget Sound Energy	NWP	1525	13948	2	FALSE baseboard	FALSE baseboard	Electric						Yes	Yes	Yes	
13948	16868	Seattle City of	Puget Sound Energy	NWP	1525	13948	1	FALSE Istove	FALSE Istove	Gas						Yes	Yes	Yes	
13956	16868	Seattle City of	Puget Sound Energy	NWP	1525	13956	1	TRUE boiler	TRUE boiler	Gas	NTI	TRINITY	139050			Yes	Yes	Yes	
13956	16868	Seattle City of	Puget Sound Energy	NWP	1525	13956	1	FALSE Istove	FALSE Istove	Wood						Yes	Yes	Yes	
13956	16868	Seattle City of	Puget Sound Energy	NWP	1525	13956	1	FALSE pluginheater	FALSE pluginheater	Electric						Yes	Yes	Yes	

populatio	utility_id	Electric Utility	Gas Utility	Utility Type	svy_wt	HVAC Heating System Count	HVAC Heat IT	HVAC Primary	HVAC Type	HVAC Fuel	HVAC Mod	VAC/Plumb	HVAC Year	Vintage	Any PSE Service Territory	
20230	26916	Ravalli County Elec		NWP	1145	20230	2	FALSE fireplace	FALSE fireplace	Propane				Unknown	No	
20244	03644	PUD No 1 of Challam		NWP	2080	20244	1	TRUE baseboard	TRUE baseboard	Electric				Unknown	No	
20245	03660	PUD No 1 of Clark		NWP	2080	20245	1	TRUE baseboard	TRUE baseboard	Electric				Unknown	No	
20250	20169	Avista Corp	Avista Energy	IOU	12271	20250	1	TRUE fuf	TRUE fuf	Gas	ugf-		2007	2006-2011	No	
20250	20169	Avista Corp	Avista Energy	IOU	12271	20250	1	FALSE baseboard	FALSE baseboard	Electric				Unknown	No	
20264	10454	Kootenai Electric Coop	Avista Energy	NWP	1192	20264	1	TRUE histove	TRUE histove	Wood				Unknown	No	
20265	04005	Columbia Basin Electric	Avista Energy	NWP	1925	20265	1	TRUE fuf	TRUE fuf	Gas	BRYANT 355CAV06	93000	2008	2006-2011	No	
20266	03240	Central Electric Coop Inc		NWP	1925	20266	1	TRUE boiler	TRUE boiler	Propane				Unknown	No	
20266	03240	Central Electric Coop Inc		NWP	1925	20266	1	FALSE heatpump	FALSE heatpump	Electric	WEL- xp190562		2005	2001-2005	No	
20266	03240	Central Electric Coop Inc		NWP	1925	20266	1	FALSE pluginhater	FALSE pluginhater	Electric				Unknown	No	
20274	12789	City of Monmouth	NW Natural	NWP	1613	20274	1	TRUE fuf	TRUE fuf	Gas	COLEMAN ig8050b1	40000	2006	2006-2011	No	
20287	07548	PUD No 1 of Grays		NWP	2080	20287	1	TRUE ghp	TRUE ghp	Electric		0.5		Unknown	No	
20288	26916	Ravalli County Elec		NWP	1145	20288	1	TRUE boiler	TRUE boiler	Propane				Unknown	No	
20288	26916	Ravalli County Elec		NWP	1145	20288	1	FALSE histove	FALSE histove	Electric				Unknown	No	
20288	26916	Ravalli County Elec		NWP	1145	20288	1	FALSE pluginhater	FALSE pluginhater	Electric				Unknown	No	
20290	12692	Missoula Electric Coop		NWP	1145	20290	1	TRUE histove	TRUE histove	Wood				Unknown	No	
20294	03660	PUD No 1 of Clark		NWP	2080	20294	1	TRUE fuf	TRUE fuf	Electric				Unknown	No	
20294	03660	PUD No 1 of Clark		NWP	2080	20294	1	TRUE heatpump	TRUE heatpump	Electric				Unknown	No	
20297	18917	Tillamook Peoples		NWP	1613	20297	1	FALSE baseboard	FALSE baseboard	Electric				Unknown	No	
20297	18917	Tillamook Peoples		NWP	1613	20297	1	FALSE fuf	FALSE fuf	Electric				Unknown	No	
20303	12825	NorthWestern	NorthWestern Energy	IOU	2131	20303	1	TRUE boiler	TRUE boiler	Gas	RAYPAK 183A0037			Unknown	No	
20303	12825	NorthWestern	NorthWestern Energy	IOU	2131	20303	1	FALSE histove	FALSE histove	Gas	CARRIER BW2AAN0	84000		Unknown	No	
20305	13758	Northern Lights, Inc	Avista Energy	NWP	1192	20305	1	FALSE histove	FALSE histove	Wood				Unknown	No	
20311	12187	McMinnville City of	Avista Energy	NWP	1613	20311	1	TRUE heatpump	TRUE heatpump	Electric	WEATHER 13pic24a0		2009	2006-2011	No	
20324	19325	Umatilla Electric		NWP	1925	20324	1	TRUE heatpump	TRUE heatpump	Electric	CARRIER 25hpas50		2009	2006-2011	No	
20324	19325	Umatilla Electric		NWP	1925	20324	2	FALSE baseboard	FALSE baseboard	Electric				Unknown	No	
20324	19325	Umatilla Electric		NWP	1925	20324	2	FALSE histove	FALSE histove	Wood				Unknown	No	
20325	03240	Central Electric Coop Inc		NWP	1925	20325	1	TRUE heatpump	TRUE heatpump	Electric				Unknown	No	
20325	03240	Central Electric Coop Inc		NWP	1925	20325	1	FALSE pluginhater	FALSE pluginhater	Electric	TRANE TWN042C			1995	1991-1995	No
20338	03739	Clearwater Power		NWP	1192	20338	1	TRUE histove	TRUE histove	Wood				Unknown	No	
20340	40437	Emerald People's Utility	NW Natural	NWP	1613	20340	1	TRUE histove	TRUE histove	Gas		25000		Unknown	No	
20340	40437	Emerald People's Utility	NW Natural	NWP	1613	20340	1	FALSE baseboard	FALSE baseboard	Wood				Unknown	No	
20344	06395	Flathead Electric Coop		NWP	1145	20344	1	TRUE histove	TRUE histove	Wood				Unknown	No	
20344	06395	Flathead Electric Coop		NWP	1145	20344	1	FALSE baseboard	FALSE baseboard	Electric	DAY &			Unknown	No	
20351	12825	NorthWestern	NorthWestern Energy	IOU	2131	20351	1	TRUE fuf	TRUE fuf	Gas				Unknown	No	
20357	10681	Lane Electric Coop Inc		NWP	1613	20357	1	TRUE histove	TRUE histove	Electric				Unknown	No	
20357	10681	Lane Electric Coop Inc	Avista Energy	NWP	1613	20357	2	FALSE baseboard	FALSE baseboard	Electric	CARRIER 588V100-	80000		1979	1976-1980	No
20361	12744	Modern Electric Water		NWP	1904	20361	1	TRUE fuf	TRUE fuf	Gas				Unknown	No	
20361	12825	NorthWestern	NorthWestern Energy	IOU	2131	20361	1	TRUE fuf	TRUE fuf	Gas				Unknown	No	
20361	12825	NorthWestern	NorthWestern Energy	IOU	2131	20361	1	FALSE pluginhater	FALSE pluginhater	Electric				Unknown	No	
20371	14109	Oregon Trail El Cons		NWP	1925	20371	1	TRUE histove	TRUE histove	Wood				Unknown	No	
20371	14109	Oregon Trail El Cons		NWP	1925	20371	1	FALSE pluginhater	FALSE pluginhater	Electric				Unknown	No	
20371	14109	Oregon Trail El Cons		NWP	1925	20371	1	FALSE pluginhater	FALSE pluginhater	Electric				2005	2001-2005	No
20381	09187	Idaho Falls City of	Intermountain Gas	IOU	8255	20381	1	TRUE fuf	TRUE fuf	Gas	DUCANE MPGA075	80000	2002	2001-2005	No	
20381	09187	Idaho Falls City of	Intermountain Gas	NWP	1192	20381	1	TRUE fuf	TRUE fuf	Gas		60000		2008	2006-2011	No
20384	13825	NorthWestern	NorthWestern Energy	IOU	2131	20384	1	TRUE histove	TRUE histove	Gas	INTERHE M3R0080	72000		Unknown	No	
20384	13825	NorthWestern	NorthWestern Energy	IOU	2131	20384	1	FALSE histove	FALSE histove	Wood				Unknown	No	
20390	14355	PacificCorp		IOU	8265	20390	1	TRUE histove	TRUE histove	Wood				Unknown	No	
20392	01579	PUD No 1 of Benton	CHG - Cascade Natural Gas	NWP	1904	20392	1	TRUE heatpump	TRUE heatpump	Electric	AMERICA 446B3048	32000		2009	2006-2011	No
20395	14354	PacificCorp	CHG - Cascade Natural Gas	IOU	8265	20395	1	FALSE histove	FALSE histove	Gas	PAYNE 383KAU04			1993	1991-1995	No
20408	03660	PUD No 1 of Clark		NWP	2080	20408	1	TRUE fuf	TRUE fuf	Gas				Unknown	No	
20411	09191	Idaho Power Co	Intermountain Gas	IOU	3786	20411	1	FALSE histove	FALSE histove	Electric	PAYNE pgmaa036			2002	2001-2005	No
20426	14055	PUD No 1 of Olanogan		NWP	1904	20426	1	TRUE pluginhater	TRUE pluginhater	Electric				Unknown	No	
20426	14055	PUD No 1 of Olanogan		NWP	1904	20426	2	FALSE baseboard	FALSE baseboard	Gas	RHEEM			1998	1996-2000	No
20430	03660	PUD No 1 of Clark		NWP	2080	20430	1	TRUE fuf	TRUE fuf	Electric				2009	2006-2011	No
20433	03264	Central Lincoln People's	NW Natural	NWP	1613	20433	2	FALSE baseboard	FALSE baseboard	Electric				Unknown	No	
20440	03240	Central Lincoln People's		NWP	1613	20440	1	TRUE fuf	TRUE fuf	Electric				1993	1991-1995	No
20445	06395	Flathead Electric Coop		NWP	1145	20445	1	TRUE histove	TRUE histove	Wood				Unknown	No	
20445	06395	Flathead Electric Coop		NWP	1145	20445	1	FALSE baseboard	FALSE baseboard	Electric				Unknown	No	
20446	17839	City of Springfield		NWP	1613	20446	1	FALSE baseboard	FALSE baseboard	Electric				Unknown	No	
20446	17839	City of Springfield		NWP	1613	20446	1	FALSE pluginhater	FALSE pluginhater	Electric				Unknown	No	
20448	03264	Central Lincoln People's		NWP	1613	20448	1	FALSE histove	FALSE histove	Wood				1989	1986-1990	No
20448	03264	Central Lincoln People's		NWP	1613	20448	1	FALSE pluginhater	FALSE pluginhater	Electric				Unknown	No	
20457	06582	City of Forest Grove	NW Natural	NWP	1613	20457	1	FALSE pluginhater	FALSE pluginhater	Electric	PAYNE PGRMAA4	71000		2005	2001-2005	No
20457	06582	City of Forest Grove	NW Natural	NWP	1613	20457	2	FALSE histove	FALSE histove	Gas				Unknown	No	
20458	09191	Idaho Power Co		IOU	3786	20458	1	FALSE baseboard	FALSE baseboard	Electric				Unknown	No	
20458	09191	Idaho Power Co		IOU	3786	20458	1	FALSE histove	FALSE histove	Wood				Unknown	No	
20466	12825	NorthWestern	NorthWestern Energy	IOU	2131	20466	1	FALSE histove	FALSE histove	Wood				Unknown	No	
20466	12825	NorthWestern	NorthWestern Energy	IOU	2131	20466	1	FALSE fuf	FALSE fuf	Gas	HEIL			2001	2001-2005	No
20469	01625	Benton Rural Electric	NorthWestern Energy	IOU	1904	20469	1	FALSE pluginhater	FALSE pluginhater	Electric	COLEMAN DRHS0241			Unknown	No	
20472	00907	City of Ashland	Avista Energy	NWP	1613	20472	1	TRUE heatpump	TRUE heatpump	Electric				1997	1996-2000	No
20472	00907	City of Ashland	Avista Energy	NWP	1613	20472	1	FALSE histove	FALSE histove	Gas	TRANE x190	16100		Unknown	No	
20472	00907	City of Ashland	Avista Energy	NWP	1613	20472	1	FALSE pluginhater	FALSE pluginhater	Electric				Unknown	No	

populatio	utility_id	Electric Utility	Gas Utility	Utility Type	svy_wt	HVACHeating_std	Count	HVACHHeat	HVACPrimary	HVAC type	HVACBackul	HVACFuel	HVACWatt	HVACMod	HVACCap	HVACPlumb	HVACYear	Vintage	Any PSE Service Territory
20809	16416	NWP		NWP	1192	20809	1	TRUE baseboard	TRUE baseboard	Electric	Electric						Unknown	No	
20814	03660	NWP	Rupert City of	NWP	20814	20814	1	FALSE baseboard	FALSE baseboard	Electric	Electric						Unknown	No	
20814	03660	NWP	PUD No 1 of Clark	NWP	20814	20814	1	FALSE baseboard	FALSE baseboard	Electric	Electric						Unknown	No	
20817	03644	NWP	PUD No 1 of Challam	NWP	20817	20817	1	TRUE hstove	TRUE hstove	Wood	Wood						Unknown	No	
20817	03644	NWP	PUD No 1 of Challam	NWP	20817	20817	1	FALSE baseboard	FALSE baseboard	Electric	Electric						Unknown	No	
20819	10454	NWP	Kootenai Electric Coop	NWP	1192	20819	1	FALSE pluginheater	FALSE pluginheater	Electric	Electric					2001	2001-2005	No	
20825	03660	NWP	NW Natural	NWP	2080	20825	1	FALSE hstove	FALSE hstove	Gas	Gas	RHEEM	rglh			1996	1996-2000	No	
20825	03660	NWP	NW Natural	NWP	2080	20825	1	FALSE hstove	FALSE hstove	Gas	Gas	BRYANT	355MAV0			2000	1996-2000	No	
20839	19784	NWP	Veria Irrigation District	NWP	1904	20839	1	TRUE heatpump	TRUE heatpump	Electric	Electric	BRYANT	355MAV0			2010	2006-2011	No	
20853	04743	NWP	Consumers Power, Inc	NWP	1613	20853	1	FALSE baseboard	FALSE baseboard	Electric	Electric	TRANE	4tw5042				Unknown	No	
20853	04743	NWP	Consumers Power, Inc	NWP	1613	20853	2	FALSE hstove	FALSE hstove	Wood	Wood						Unknown	No	
20859	03660	NWP	PUD No 1 of Clark	NWP	2080	20859	1	TRUE baseboard	TRUE baseboard	Electric	Electric						Unknown	No	
20861	12825	NWP	Northwestern Energy	IOU	2131	20861	1	TRUE boiler	TRUE boiler	Gas	Gas	PACIFIC					Unknown	No	
20863	09191	IOU	Northwestern Energy	IOU	8559	20863	1	TRUE faf	TRUE faf	Gas	Gas	LENNOX	g26q3/4-			1999	1996-2000	No	
20863	09191	IOU	Idaho Power Co	IOU	8559	20863	1	FALSE pluginheater	FALSE pluginheater	Electric	Electric						Unknown	No	
20878	00716	NWP	Idaho Power Co	NWP	1904	20878	1	TRUE faf	TRUE faf	Electric	Electric						1976	1976-1980	No
20884	03660	NWP	PUD No 1 of Franklin	NWP	2080	20884	1	TRUE baseboard	TRUE baseboard	Electric	Electric						Unknown	No	
20895	17839	NWP	City of Springfield	NWP	1613	20895	1	TRUE baseboard	TRUE baseboard	Electric	Electric						Unknown	No	
20902	12825	IOU	Northwestern Energy	IOU	2131	20902	1	TRUE boiler	TRUE boiler	Gas	Gas	BURNHA	ES25NITS				Unknown	No	
20905	14354	IOU	Northwestern Energy	IOU	8265	20905	1	TRUE hstove	TRUE hstove	Gas	Gas						Unknown	No	
20905	14354	IOU	Avista Energy	IOU	8265	20905	1	FALSE baseboard	FALSE baseboard	Electric	Electric						Unknown	No	
20905	14354	IOU	Avista Energy	IOU	8265	20905	1	FALSE pluginheater	FALSE pluginheater	Electric	Electric						Unknown	No	
20920	03644	NWP	PUD No 1 of Challam	NWP	2080	20920	1	TRUE baseboard	TRUE baseboard	Electric	Electric						2000	1996-2000	No
20930	14055	NWP	PUD No 1 of Okanogan	NWP	1904	20930	1	TRUE heatpump	TRUE heatpump	Electric	Electric						Unknown	No	
20930	14055	NWP	PUD No 1 of Okanogan	NWP	1904	20930	2	FALSE baseboard	FALSE baseboard	Electric	Electric						Unknown	No	
20930	14055	NWP	PUD No 1 of Okanogan	NWP	1904	20930	1	FALSE baseboard	FALSE baseboard	Electric	Electric						Unknown	No	
20936	01579	NWP	PUD No 1 of Benton	NWP	1904	20936	2	FALSE pluginheater	FALSE pluginheater	Electric	Electric						Unknown	No	
20941	09191	IOU	Idaho Power Co	NWP	3786	20941	1	FALSE heatpump	FALSE heatpump	Wood	Wood	RHEEM	RPKA-				Unknown	No	
20946	12825	IOU	Northwestern Energy	IOU	2131	20946	1	TRUE faf	TRUE faf	Gas	Gas	BRYANT	350MAV0	74000		1995	1991-1995	No	
20946	12825	IOU	Northwestern Energy	IOU	2131	20946	1	TRUE hstove	TRUE hstove	Wood	Wood						2010	2006-2011	No
20946	12825	IOU	Northwestern Energy	IOU	2131	20946	1	FALSE boiler	FALSE boiler	Gas	Gas	BURNHA	205NITEIS				Unknown	No	
20958	06169	NWP	Intermountain Gas	NWP	1192	20958	1	TRUE gishp	TRUE gishp	Electric	Electric	FHP	GT0621V7				1977	1976-1980	No
20968	20385	NWP	West Oregon Electric	NWP	1613	20968	1	FALSE hstove	FALSE hstove	Wood	Wood						Unknown	No	
20970	03660	NWP	PUD No 1 of Clark	NWP	2080	20970	1	FALSE hstove	FALSE hstove	Gas	Gas	RUUD	g10a1DEC	75000		1996	1996-2000	No	
20970	03660	NWP	NW Natural	NWP	2080	20970	1	FALSE hstove	FALSE hstove	Gas	Gas					2009	2006-2011	No	
20974	14354	IOU	PacificCorp	IOU	3786	20974	1	TRUE faf	TRUE faf	Electric	Electric						Unknown	No	
20976	04135	NWP	Farmers Electric	NWP	1192	20976	1	TRUE baseboard	TRUE baseboard	Electric	Electric						Unknown	No	
20982	12825	IOU	Northwestern Energy	IOU	2131	20982	1	TRUE heatpump	TRUE heatpump	Electric	Electric						1988	1986-1990	No
21029	03660	IOU	Idaho Power Co	IOU	3786	21029	1	TRUE boiler	TRUE boiler	Gas	Gas	GENERAL	BM9930A				Unknown	No	
21039	03660	NWP	PUD No 1 of Clark	NWP	1192	21039	1	TRUE faf	TRUE faf	Electric	Electric	BURNHA	622H11-1	80000		2004	2001-2005	No	
21039	03660	NWP	NW Natural	NWP	2080	21039	1	FALSE hstove	FALSE hstove	Gas	Gas	CARRIER	58ra1210	80000		1992	1991-1995	No	
21065	10454	NWP	Kootenai Electric Coop	NWP	1192	21065	1	FALSE hstove	FALSE hstove	Gas	Gas						1992	1991-1995	No
21065	10454	NWP	Idaho Power Co	NWP	3786	21065	1	FALSE pluginheater	FALSE pluginheater	Electric	Electric	AMANA					Unknown	No	
21016	09191	IOU	Intermountain Gas	IOU	3786	21016	1	TRUE faf	TRUE faf	Gas	Gas	GOODMA	GMT0904	72000		2009	2006-2011	No	
21018	12825	IOU	Intermountain Gas	IOU	2131	21018	1	TRUE faf	TRUE faf	Gas	Gas	GLZC75-				1996	1996-2000	No	
21021	14854	IOU	Northwestern Energy	IOU	8265	21021	1	TRUE hstove	TRUE hstove	Wood	Wood	CARRIER	58MCA			2006	2006-2011	No	
21021	14854	IOU	PacificCorp	IOU	8265	21021	1	FALSE baseboard	FALSE baseboard	Electric	Electric						Unknown	No	
21026	14854	IOU	Modern Electric Water	IOU	1904	21026	1	TRUE faf	TRUE faf	Oil	Oil						2002	2001-2005	No
21049	12744	NWP	Northwestern Energy	IOU	2131	21049	1	TRUE faf	TRUE faf	Gas	Gas	PAYNE	PGSDA0	40000		2002	2001-2005	No	
21049	12825	IOU	Northwestern Energy	IOU	2131	21049	1	TRUE boiler	TRUE boiler	Gas	Gas	BURNHA	P206BWN				Unknown	No	
21049	12825	IOU	Northwestern Energy	IOU	2131	21049	2	FALSE hstove	FALSE hstove	Wood	Wood	YORK	e1rao3650			2003	2001-2005	No	
21070	01625	NWP	Benton Rural Electric	NWP	1904	21070	1	TRUE heatpump	TRUE heatpump	Electric	Electric						Unknown	No	
21070	01625	NWP	Benton Rural Electric	NWP	1904	21070	1	FALSE hstove	FALSE hstove	Propane	Propane						Unknown	No	
21085	20169	IOU	Avista Corp	IOU	3786	21085	1	TRUE pluginheater	TRUE pluginheater	Electric	Electric						Unknown	No	
21085	20169	IOU	Avista Corp	IOU	3786	21085	1	FALSE baseboard	FALSE baseboard	Electric	Electric						1995	1991-1995	No
21091	14354	IOU	Avista Corp	IOU	8559	21091	1	TRUE boiler	TRUE boiler	Gas	Gas	WEIL-	8y-4	80000		1995	1991-1995	No	
21091	14354	IOU	CNG - Cascade Natural Gas	IOU	8559	21091	1	FALSE hstove	FALSE hstove	Gas	Gas						Unknown	No	
21091	14354	IOU	CNG - Cascade Natural Gas	IOU	8559	21091	1	FALSE pluginheater	FALSE pluginheater	Electric	Electric						Unknown	No	
21103	12331	NWP	Port Angeles City of	NWP	2080	21103	1	TRUE hstove	TRUE hstove	Electric	Electric						Unknown	No	
21109	19325	NWP	USBIA Mission Valley	NWP	1145	21109	1	TRUE hstove	TRUE hstove	Wood	Wood						2009	2006-2011	No
21112	04743	NWP	Unatilla Electric	NWP	1925	21112	1	TRUE heatpump	TRUE heatpump	Electric	Electric						2009	2006-2011	No
21122	08699	NWP	Consumers Power, Inc	NWP	1613	21122	1	FALSE hstove	FALSE hstove	Gas	Gas						1994	1994-1995	No
21132	03660	NWP	Inland Power & Light	NWP	1904	21132	1	TRUE heatpump	TRUE heatpump	Electric	Electric						1993	1991-1995	No
21137	12825	NWP	PUD No 1 of Clark	NWP	2080	21137	1	TRUE faf	TRUE faf	Gas	Gas						Unknown	No	
21143	01176	NWP	Northwestern	NWP	2080	21143	1	FALSE hstove	FALSE hstove	Propane	Propane						Unknown	No	
21143	01176	NWP	City of Bandon	NWP	1613	21143	1	TRUE dip	TRUE dip	Electric	Electric						2011	2006-2011	No
21155	06169	NWP	City of Bandon	NWP	1613	21155	1	FALSE baseboard	FALSE baseboard	Electric	Electric	MITSUBIS	msz-				Unknown	No	
21155	06169	NWP	Fall River Rural Elec	NWP	1192	21155	1	TRUE faf	TRUE faf	Gas	Gas	TEMPSTA	MUGK100				1993	1991-1995	No
21160	13788	NWP	Intermountain Gas	NWP	1192	21160	1	FALSE hstove	FALSE hstove	Gas	Gas						Unknown	No	
21160	13788	NWP	Intermountain Gas	NWP	1192	21160	1	TRUE faf	TRUE faf	Oil	Oil						Unknown	No	

populatio	utility_id	Electric Utility	Gas Utility	Utility Type	svy_wt	HVACCheating_stdid	CountOfHVACHeatIt	HVACPrimary	HVACType	HVACBackul	HVACFuel	HVACMain	HVACModul	HVACPlumb	HVACYear	Vintage	Any PSE Service Territory
21408	09191	Idaho Power Co	Intermountain Gas	IOU	3786	21408	1	TRUE fuf	TRUE fuf	Gas	BRYANT	399aa03			1991	1991-1995	No
21408	09191	Idaho Power Co	Intermountain Gas	IOU	3786	21408	1	FALSE baseboard	FALSE baseboard	Electric	AMERICA	GPXK7	158000			Unknown	No
21411	12825	Northwestern Energy	Northwestern Energy	IOU	2131	21411	1	TRUE boiler	TRUE boiler	Gas	LENNOX	HP16-			1985	1981-1985	No
21414	14954	PacificCorp	Northwestern Energy	IOU	12271	21414	1	TRUE heatpump	TRUE heatpump	Electric	LENNOX	HP16-			Unknown	Unknown	No
21417	03739	Cleanwater Power	Northwestern Energy	NWP	1192	21417	1	TRUE hstove	TRUE hstove	Wood					Unknown	Unknown	No
21417	03739	Cleanwater Power	Northwestern Energy	NWP	1192	21417	2	FALSE baseboard	FALSE baseboard	Electric					Unknown	Unknown	No
21417	03739	Cleanwater Power	Northwestern Energy	NWP	1192	21417	1	FALSE pluginheater	FALSE pluginheater	Electric					Unknown	Unknown	No
21419	12825	Northwestern Energy	Northwestern Energy	IOU	2131	21419	1	TRUE hstove	TRUE hstove	Gas					Unknown	Unknown	No
21427	18917	Tillamook Peoples	Northwestern Energy	NWP	1613	21427	1	TRUE baseboard	TRUE baseboard	Electric	TRANE	tud10099	80000		1991	1991-1995	No
21431	12825	Northwestern Energy	Northwestern Energy	NWP	1145	21431	1	TRUE fuf	TRUE fuf	Gas					Unknown	Unknown	No
21431	12825	Northwestern Energy	Northwestern Energy	NWP	1145	21431	1	FALSE baseboard	FALSE baseboard	Electric	DUCANE	CMPFD75	69000		2008	2006-2011	No
21436	14954	PacificCorp	Intermountain Gas	IOU	3786	21436	1	TRUE fuf	TRUE fuf	Gas	YORK	P4DNC16	92000		2004	2001-2005	No
21437	03660	PacificCorp	Northwestern Energy	NWP	2080	21437	1	TRUE fuf	TRUE fuf	Gas	TEMP	t2h3356g			2008	2006-2011	No
21438	04317	Coos-Curry Electric	NW Natural	NWP	1613	21438	1	FALSE hstove	FALSE hstove	Propane					Unknown	Unknown	No
21438	04317	Coos-Curry Electric	NW Natural	NWP	1613	21438	1	TRUE heatpump	TRUE heatpump	Electric	PAYNE	PH10JA03			2001	2001-2005	No
21438	04317	Coos-Curry Electric	NW Natural	NWP	1613	21438	1	FALSE baseboard	FALSE baseboard	Electric					Unknown	Unknown	No
21452	14624	PUD No 2 of Grant	Northwestern Energy	NWP	1904	21452	1	TRUE baseboard	TRUE baseboard	Electric					Unknown	Unknown	No
21452	14624	PUD No 2 of Grant	Northwestern Energy	NWP	1904	21452	1	TRUE baseboard	TRUE baseboard	Electric					Unknown	Unknown	No
21456	17839	City of Springfield	Northwestern Energy	NWP	1613	21456	1	TRUE baseboard	TRUE baseboard	Electric					Unknown	Unknown	No
21459	19603	USBA-Mission Valley	Northwestern Energy	NWP	1145	21459	1	TRUE fuf	TRUE fuf	Gas					1995	1991-1995	No
21460	20169	Avista Corp	Avista Energy	IOU	3786	21460	1	FALSE hstove	FALSE hstove	Wood	LENNOX				Unknown	Unknown	No
21460	20169	Avista Corp	Avista Energy	IOU	3786	21460	1	FALSE hstove	FALSE hstove	Wood	LENNOX				Unknown	Unknown	No
21463	03660	PacificCorp	NW Natural	NWP	2080	21463	1	TRUE fuf	TRUE fuf	Gas					Unknown	Unknown	No
21464	06169	Fall River Rural Elec	Northwestern Energy	NWP	1192	21464	1	FALSE baseboard	FALSE baseboard	Wood					2006	2006-2011	No
21464	06169	Fall River Rural Elec	Northwestern Energy	NWP	1192	21464	1	FALSE hstove	FALSE hstove	Wood					Unknown	Unknown	No
21469	19784	Vera Irrigation District	Northwestern Energy	NWP	1904	21469	1	TRUE fuf	TRUE fuf	Electric					Unknown	Unknown	No
21469	19784	Vera Irrigation District	Northwestern Energy	NWP	1904	21469	1	FALSE hstove	FALSE hstove	Wood					Unknown	Unknown	No
21471	07548	Vera Irrigation District	Northwestern Energy	NWP	1904	21471	1	FALSE pluginheater	FALSE pluginheater	Electric	TRANE	2TWRQJ4			2002	2001-2005	No
21471	07548	Vera Irrigation District	Northwestern Energy	NWP	1904	21471	1	TRUE heatpump	TRUE heatpump	Electric	YORK	E4FD0305			2002	2001-2005	No
21483	01579	PUD No 1 of Benton	Intermountain Gas	NWP	3786	21483	1	TRUE heatpump	TRUE heatpump	Electric	LENNOX	GZM0375	61700		1995	1991-1995	No
21484	09191	Idaho Power Co	Intermountain Gas	IOU	3786	21484	1	TRUE fuf	TRUE fuf	Gas	AMERICA	2a6h3024	24200		2007	2006-2011	No
21486	10555	Salem Electric	Northwestern Energy	NWP	1613	21486	1	TRUE hstove	TRUE hstove	Wood					Unknown	Unknown	No
21486	10555	Salem Electric	Northwestern Energy	NWP	1613	21486	1	FALSE hstove	FALSE hstove	Wood					Unknown	Unknown	No
21487	14954	PacificCorp	Northwestern Energy	IOU	8265	21487	1	TRUE baseboard	TRUE baseboard	Electric					Unknown	Unknown	No
21494	12825	Northwestern Energy	Northwestern Energy	IOU	2131	21494	1	TRUE hstove	TRUE hstove	Gas					Unknown	Unknown	No
21494	12825	Northwestern Energy	Northwestern Energy	IOU	2131	21494	1	FALSE baseboard	FALSE baseboard	Electric					Unknown	Unknown	No
21499	03420	City of Cheney	Northwestern Energy	NWP	1904	21499	1	TRUE baseboard	TRUE baseboard	Electric					Unknown	Unknown	No
21499	03420	City of Cheney	Northwestern Energy	NWP	1904	21499	1	TRUE pluginheater	TRUE pluginheater	Electric					Unknown	Unknown	No
21499	03420	City of Cheney	Northwestern Energy	NWP	1904	21499	1	FALSE fireplace	FALSE fireplace	Wood					Unknown	Unknown	No
21501	09191	Idaho Power Co	Intermountain Gas	IOU	3786	21501	1	TRUE fuf	TRUE fuf	Gas	RHEEM	RGL507EA	60000		2009	2006-2011	No
21503	10944	USBA-Mission Valley	Northwestern Energy	NWP	2080	21503	1	TRUE hstove	TRUE hstove	Wood					Unknown	Unknown	No
21503	10944	USBA-Mission Valley	Northwestern Energy	NWP	2080	21503	1	FALSE hstove	FALSE hstove	Wood					Unknown	Unknown	No
21504	19603	PacificCorp	Northwestern Energy	NWP	1145	21504	1	TRUE heatpump	TRUE heatpump	Electric	CARRIER	25HPA648			1979	1976-1980	No
21524	00716	PUD No 1 of Franklin	Northwestern Energy	NWP	1904	21524	1	TRUE heatpump	TRUE heatpump	Electric					2011	2006-2011	No
21524	00716	PUD No 1 of Franklin	Northwestern Energy	NWP	1904	21524	1	FALSE hstove	FALSE hstove	Electric					Unknown	Unknown	No
21531	03832	Enhurst Mutual Power	Northwestern Energy	NWP	4960	21531	1	TRUE heatpump	TRUE heatpump	Electric	PAYNE	PH13NA0			2010	2006-2011	No
21531	03832	Enhurst Mutual Power	Northwestern Energy	NWP	4960	21531	1	FALSE fireplace	FALSE fireplace	Wood	HYDON	aw1Y1Ur1			Unknown	Unknown	No
21532	20138	Wasco Electric Coop, Inc	Northwestern Energy	NWP	1925	21532	1	FALSE fireplace	FALSE fireplace	Wood					Unknown	Unknown	No
21532	20138	Wasco Electric Coop, Inc	Northwestern Energy	NWP	1925	21532	1	FALSE fireplace	FALSE fireplace	Wood					Unknown	Unknown	No
21537	10681	Lane Electric Coop, Inc	Northwestern Energy	NWP	1613	21537	1	TRUE baseboard	TRUE baseboard	Electric					Unknown	Unknown	No
21537	10681	Lane Electric Coop, Inc	Northwestern Energy	NWP	1613	21537	1	FALSE pluginheater	FALSE pluginheater	Electric					Unknown	Unknown	No
21546	02664	Central Lincoln People's	NW Natural	NWP	1613	21546	1	TRUE fuf	TRUE fuf	Gas	RUUD				2000	1996-2000	No
21546	02664	Central Lincoln People's	NW Natural	NWP	1613	21546	1	FALSE hstove	FALSE hstove	Gas	HONEYWE	Z2996Z25	25000		1996	1996-2000	No
21578	13825	Northwestern Energy	Northwestern Energy	IOU	2131	21578	2	TRUE boiler	TRUE boiler	Electric					Unknown	Unknown	No
21578	13825	Northwestern Energy	Northwestern Energy	IOU	2131	21578	1	TRUE fuf	TRUE fuf	Electric					Unknown	Unknown	No
21588	20169	Avista Corp	Avista Energy	IOU	3786	21588	1	TRUE baseboard	TRUE baseboard	Electric					Unknown	Unknown	No
21588	14954	PacificCorp	Avista Energy	IOU	8559	21588	1	TRUE fuf	TRUE fuf	Oil					Unknown	Unknown	No
21588	14954	PacificCorp	Avista Energy	IOU	8559	21588	1	TRUE hstove	TRUE hstove	Wood					Unknown	Unknown	No
21588	14954	PacificCorp	Avista Energy	IOU	8559	21588	1	FALSE pluginheater	FALSE pluginheater	Electric					Unknown	Unknown	No
21601	03660	PacificCorp	Avista Energy	IOU	2080	21601	1	TRUE baseboard	TRUE baseboard	Electric					Unknown	Unknown	No
21601	03660	PacificCorp	Avista Energy	NWP	2080	21601	1	FALSE baseboard	FALSE baseboard	Electric					Unknown	Unknown	No
21605	12825	Northwestern Energy	Northwestern Energy	IOU	2131	21605	1	TRUE hstove	TRUE hstove	Wood					Unknown	Unknown	No
21612	12825	Northwestern Energy	Northwestern Energy	IOU	2131	21612	1	TRUE fuf	TRUE fuf	Gas	CONCORD	cg90ua07	63000		2000	1996-2000	No
21615	20169	Avista Corp	Avista Energy	IOU	12271	21615	1	TRUE heatpump	TRUE heatpump	Electric	YORK	E1RAA425	54000		2004	2001-2005	No
21623	03660	PacificCorp	NW Natural	NWP	2080	21623	1	TRUE fuf	TRUE fuf	Gas	TRANE	TUH2806	57000		2009	2006-2011	No
21638	12825	Northwestern Energy	Northwestern Energy	IOU	1613	21638	1	TRUE hstove	TRUE hstove	Wood					Unknown	Unknown	No
21647	04317	Coos-Curry Electric	Northwestern Energy	NWP	1613	21647	1	FALSE baseboard	FALSE baseboard	Electric					Unknown	Unknown	No
21647	04317	Coos-Curry Electric	Northwestern Energy	NWP	1613	21647	1	FALSE pluginheater	FALSE pluginheater	Electric					Unknown	Unknown	No
21654	23686	Vigilante Electric Coop,	Intermountain Gas	NWP	1145	21654	1	TRUE fuf	TRUE fuf	Gas	TRANE	ux04o92	38000		1999	1996-2000	No
21668	09191	Idaho Power Co	Intermountain Gas	IOU	3786	21668	1	TRUE fuf	TRUE fuf	Gas	GOODMA	GDT070-3	56000		2002	2001-2005	No
21672	06395	Flathead Electric Coop	Northwestern Energy	NWP	1145	21672	1	FALSE pluginheater	FALSE pluginheater	Electric					Unknown	Unknown	No
21678	20169	Avista Corp	Avista Energy	IOU	3786	21678	1	TRUE fuf	TRUE fuf	Electric					Unknown	Unknown	No
21680	06395	Flathead Electric Coop	Northwestern Energy	NWP	1145	21680	1	TRUE fuf	TRUE fuf	Gas	RUUD	UGPK	40900		2005	2001-2005	No
21680	06395	Flathead Electric Coop	Northwestern Energy	NWP	1145	21680	1	FALSE hstove	FALSE hstove	Gas	BRYANT	352IMAV	94000		2005	2001-2005	No
21684	14954	PacificCorp	Northwestern Energy	IOU	8265	21684	1	TRUE heatpump	TRUE heatpump	Gas	AMANA	A82L4042	75000		2011	2006-2011	No
21684	14954	PacificCorp	Northwestern Energy	IOU	8265	21684	1	FALSE hstove	FALSE hstove	Wood					Unknown	Unknown	No
21689	09191	Idaho Power Co	Intermountain Gas	IOU	3786	21689	1	TRUE hstove	TRUE hstove	Wood					Unknown	Unknown	No
21689	09191	Idaho Power Co	Intermountain Gas	IOU	3786	21689	1	FALSE pluginheater	FALSE pluginheater	Electric					Unknown	Unknown	No
21692	14954	PacificCorp	Northwestern Energy	IOU	8559	21692	1	TRUE fuf	TRUE fuf	Oil					Unknown	Unknown	No
21692	14954	PacificCorp	Northwestern Energy	IOU	8559	21692	1	FALSE pluginheater	FALSE pluginheater	Electric					Unknown	Unknown	No
21700	14954	PacificCorp	Northwestern Energy	IOU	8265	21700	1	TRUE hstove	TRUE hstove	Wood					Unknown	Unknown	No

populatio	utility_id	Electric Utility	Gas Utility	Utility Type	sw_wt	HVACHeating_stdid	Count	HVACHHeat	HVACPrimary	HVACType	HVACFuel	HVACWatt	HVACMod	HVACCap	HVACPlumb	HVACYear	Vintage	Any PSE Service Territory
21700	14954	PacificCorp		IOU	8265	21700	1	FALSE	baseboard	Electric						Unknown	No	
21701	19603	US8IA-Mission Valley		NWP	1145	21701	1	TRUE	Heatstove	Wood						Unknown	No	
21701	19603	US8IA-Mission Valley		NWP	1145	21701	1	FALSE	baseboard	Electric						Unknown	No	
21703	01579	PUD No 1 of Benton		NWP	1904	21703	1	TRUE	fan	Electric						1987-1986-1990	No	
21707	19784	Vera Irrigation District		NWP	1904	21707	1	TRUE	Heatstove	Wood						Unknown	No	
21707	19784	Vera Irrigation District		NWP	1904	21707	2	FALSE	baseboard	Electric						Unknown	No	
21707	19784	Vera Irrigation District		NWP	1904	21707	2	FALSE	Heatstove	Wood						Unknown	No	
21707	19784	Vera Irrigation District		NWP	1904	21707	1	FALSE	plughinheater	Electric						Unknown	No	
21708	09191	Idaho Power Co	Intermountain Gas	IOU	3786	21708	1	TRUE	fan	Gas	LENNOX	G40DF36	56000			2003-2001-2005	No	
21710	03660	PUD No 1 of Clark	NW Natural	NWP	2080	21710	1	FALSE	Heatstove	Electric						Unknown	No	
21710	03660	PUD No 1 of Clark	NW Natural	NWP	2080	21710	1	FALSE	baseboard	Electric						Unknown	No	
21719	12825	NorthWestern		IOU	2131	21719	1	TRUE	fan	Gas	CARRIER	58mat060-	37000			2001-2001-2005	No	
21720	09191	Idaho Power Co		IOU	3786	21720	1	FALSE	baseboard	Electric						Unknown	No	
21722	12825	NorthWestern	Northwestern Energy	IOU	2131	21722	1	FALSE	Heatstove	Propane						Unknown	No	
21722	12825	NorthWestern	Intermountain Gas	IOU	2131	21722	1	FALSE	Heatstove	Gas	CARRIER	585TX110	89000			2007-2006-2011	No	
21733	09487	Idaho Falls City of	Intermountain Gas	IOU	1192	21733	1	FALSE	Heatstove	Gas	TEMPSTA	IN9MPL10	92000			2003-2001-2005	No	
21741	14668	Peninsula Light	Puget Sound Energy	NWP	4360	21741	1	TRUE	fan	Gas			60000			1987-1986-1990	Yes	
21741	14668	Peninsula Light	Puget Sound Energy	NWP	4360	21741	1	FALSE	fireplace	Wood						Unknown	Yes	
21746	14354	PacificCorp	NW Natural	IOU	8265	21746	1	FALSE	Heatstove	Gas	PAYNE	376CAV03	74000			1995-1991-1995	Yes	
21748	02545	City of Burley		NWP	1192	21748	1	FALSE	Heatstove	Gas						Unknown	No	
21748	02545	City of Burley		NWP	1192	21748	1	FALSE	Heatstove	Electric						Unknown	No	
21753	18917	Tillamook Peoples		NWP	1613	21753	1	FALSE	baseboard	Pellets						Unknown	No	
21768	03240	Central Electric Coop Inc	CNG - Cascade Natural Gas	NWP	1925	21768	1	TRUE	fan	Electric						2008-2006-2011	No	
21777	12825	NorthWestern		IOU	2131	21777	1	TRUE	Heatstove	Electric						2010-2006-2011	No	
21781	00743	Consumers Power, Inc		NWP	1613	21781	1	FALSE	Heatstove	Wood	AMANA	acv90704	64000			Unknown	No	
21781	14354	PacificCorp		IOU	8265	21781	1	FALSE	Heatstove	Wood						Unknown	No	
21781	14354	PacificCorp		IOU	8265	21781	1	FALSE	Heatstove	Electric						Unknown	No	
21787	14668	Peninsula Light		NWP	4360	21787	1	FALSE	baseboard	Electric						Unknown	No	
21787	14668	Peninsula Light		NWP	4360	21787	1	FALSE	Heatstove	Electric	AMERICA	446HB036				Unknown	No	
21791	28541	Clarkston Peoples Util		NWP	1613	21791	1	TRUE	fan	Pellets						1975-1971-1975	No	
21796	09187	Idaho Falls City of	Intermountain Gas	NWP	1192	21796	1	TRUE	boiler	Electric	RHEEM	83VRS2				Unknown	No	
21796	09187	Idaho Falls City of	Intermountain Gas	NWP	1192	21796	1	FALSE	fan	Gas	GOODMA	AH36G5-	60000			2005-2001-2005	No	
21799	01579	PUD No 1 of Benton		NWP	1904	21799	1	TRUE	Heatstove	Electric						2006-2006-2011	No	
21799	01579	PUD No 1 of Benton		NWP	1904	21799	1	FALSE	plughinheater	Electric	CARRIER	25HBR336				Unknown	No	
21810	02545	City of Burley	Intermountain Gas	NWP	1192	21810	1	FALSE	Heatstove	Gas	RHEEM	RGPR10EB	80000			2009-2006-2011	No	
21816	12825	NorthWestern		IOU	2131	21816	2	FALSE	Heatstove	Wood						Unknown	No	
21816	12825	NorthWestern		IOU	2131	21816	1	FALSE	Heatstove	Gas	LENNOX	G14Q380	74000			1989-1986-1990	No	
21826	03579	PUD No 1 of Benton		NWP	1904	21826	1	FALSE	Heatstove	Wood						Unknown	No	
21831	13236	City of Troy		NWP	1145	21831	1	TRUE	fan	Gas						Unknown	No	
21835	12825	NorthWestern	Northwestern Energy	IOU	2131	21835	1	TRUE	Heatstove	Gas	LENNOX	g2103-80-	75000			1994-1991-1995	No	
21835	12825	NorthWestern	Northwestern Energy	IOU	2131	21835	1	FALSE	Heatstove	Gas	LENNOX	g2103-80-	15000			Unknown	No	
21852	08699	Idaho Power & Light		NWP	1192	21852	1	FALSE	baseboard	Electric	CARRIER	25HBR360				Unknown	No	
21852	08699	Idaho Power & Light		NWP	1192	21852	1	FALSE	Heatstove	Wood						Unknown	No	
21877	14955	PUD No 1 of Chongnan		NWP	1904	21877	1	TRUE	baseboard	Electric						Unknown	No	
21881	09487	Idaho Falls City of		NWP	1192	21881	1	FALSE	Heatstove	Electric						Unknown	No	
21881	09487	Idaho Falls City of		NWP	1192	21881	1	FALSE	Heatstove	Wood	LENNOX	g322t0p3a				2009-2006-2011	No	
21882	02395	Flashhead Electric Coop	Northwestern Energy	NWP	1145	21882	1	TRUE	Heatstove	Gas						Unknown	No	
21888	14954	PacificCorp		IOU	8559	21888	1	FALSE	Heatstove	Wood						Unknown	No	
21888	14954	PacificCorp		IOU	8559	21888	1	FALSE	Heatstove	Electric	LENNOX	HP29-036-	25000			2004-2001-2005	No	
21889	19325	Unatilla Electric		IOU	1925	21889	1	FALSE	Heatstove	Electric						Unknown	No	
21896	26916	Basall County Elec		NWP	1145	21896	1	TRUE	Heatstove	Gas						Unknown	No	
21896	26916	Basall County Elec		NWP	1145	21896	1	FALSE	Heatstove	Gas	LENNOX	HP29-036-	25000			2004-2001-2005	No	
21898	09191	Idaho Power Co	Intermountain Gas	IOU	3786	21898	1	TRUE	fan	Gas	LENNOX	G60UH-	10000			2002-2001-2005	No	
21899	14954	PacificCorp	Avista Energy	IOU	8265	21899	1	TRUE	fan	Gas	RHEEM	90J01DeE	60000			2006-2006-2011	No	
21899	14954	PacificCorp	Avista Energy	IOU	8265	21899	1	FALSE	Heatstove	Gas	RHEEM	rh-cm-				2007-2006-2011	No	
21899	14954	PacificCorp	Avista Energy	IOU	8265	21899	1	FALSE	Heatstove	Gas	SEARS	rh-salm24				2008-2006-2011	No	
21905	20169	Avista Corp	Avista Energy	IOU	8265	21905	1	FALSE	Heatstove	Gas	TRANE		23500			1995-1991-1995	No	
21905	20169	Avista Corp	Avista Energy	IOU	12271	21905	1	FALSE	fan	Gas						Unknown	No	
21906	12825	NorthWestern	Northwestern Energy	IOU	2131	21906	1	FALSE	Heatstove	Gas	BURNHA	205	17500			1998-1996-2000	No	
21914	12187	McMinnville City of		NWP	1613	21914	1	TRUE	boiler	Electric	LENNOX	10HPB36				Unknown	No	
21914	12187	McMinnville City of		NWP	1613	21914	1	FALSE	Heatstove	Propane						Unknown	No	
21932	06716	PUD No 1 of Franklin	CNG - Cascade Natural Gas	NWP	1904	21932	1	TRUE	fan	Gas	HEIL	H8WPN05	40000			2004-2001-2005	No	
21934	09191	Idaho Power Co		IOU	3786	21934	1	TRUE	baseboard	Electric						Unknown	No	
21936	12825	NorthWestern		IOU	2131	21936	1	TRUE	boiler	Electric						Unknown	No	
21936	12825	NorthWestern		IOU	2131	21936	1	FALSE	Heatstove	Gas	BURNHA	P-204W	68700			1999-1996-2000	No	
21951	13758	Northern Lights, Inc	Northwestern Energy	IOU	1192	21951	1	FALSE	fan	Gas						Unknown	No	
21951	13758	Northern Lights, Inc	Avista Energy	NWP	1192	21951	1	FALSE	fireplace	Wood						Unknown	No	
21951	03660	PUD No 1 of Clark	Avista Energy	NWP	2080	21951	1	FALSE	fan	Electric						Unknown	No	
21961	03660	PUD No 1 of Clark	Avista Energy	NWP	2080	21961	1	FALSE	baseboard	Electric						Unknown	No	
21961	03660	PUD No 1 of Clark	Avista Energy	NWP	2080	21961	1	FALSE	baseboard	Electric						Unknown	No	
21967	01625	Benton Rural Electric		NWP	1904	21967	1	FALSE	fireplace	Wood						Unknown	No	
21974	09191	Idaho Power Co		IOU	3786	21974	1	TRUE	baseboard	Electric	TRANE	TW2060A				2001-2001-2005	No	
21974	09191	Idaho Power Co		IOU	3786	21974	1	TRUE	Heatstove	Pellets						Unknown	No	
21977	14954	PacificCorp		IOU	8559	21977	1	FALSE	Heatstove	Electric						Unknown	No	
21977	14954	PacificCorp		IOU	8559	21977	1	FALSE	baseboard	Electric						Unknown	No	
21978	01579	PUD No 1 of Benton	CNG - Cascade Natural Gas	NWP	1904	21978	1	TRUE	Heatstove	Electric	LENNOX	XP-14-036-				2009-2006-2011	No	
21978	01579	PUD No 1 of Benton	CNG - Cascade Natural Gas	NWP	1904	21978	1	FALSE	baseboard	Electric						Unknown	No	
21979	18917	Tillamook Peoples		NWP	1613	21979	1	TRUE	fan	Electric						1982-1981-1985	No	

populatio	utility_id	Electric Utility	Gas Utility	Utility Type	svy_wt	HVAC/Heat-It	HVAC/Primary	HVAC/Type	HVAC/Backul	HVAC/Fuel	HVAC/Min	HVAC/Mod	HVAC/Up	HVAC/Plumb	HVAC/Year	Vintage	Any PSE Service Territory
21979	18917	Tillamook Peoples	NWP	NWP	1613	21979	TRUE hvstove	TRUE hvstove	Wood	Electric					Unknown	No	
21981	03295	City of Centralia	NWP	NWP	2080	21981	TRUE hvstove	TRUE hvstove	Electric	Electric					Unknown	No	
21988	03660	PUD No 1 of Clark	NW Natural	IOW	3786	21988	TRUE hvstove	TRUE hvstove	Gas	Gas	AMANA	GDH8090			2011 2006-2011	No	
22000	09191	Idaho Power Co	Intermountain Gas	IOW	3786	22000	TRUE hvstove	TRUE hvstove	Gas	Gas	PAYNE	PG8MAA0			2007 2006-2011	No	
22000	09191	Idaho Power Co	Intermountain Gas	IOW	3786	22000	FALSE hvstove	FALSE hvstove	Other	Other					Unknown	No	
22005	06395	Flathead Electric Coop	Northwestern Energy	IOW	1145	22005	TRUE hvstove	TRUE hvstove	Gas	Gas	RUID	92241611			2006 2006-2011	No	
22015	12825	Northwestern	Northwestern Energy	IOW	2131	22015	TRUE hvstove	TRUE hvstove	Gas	Gas	HYDROTH	hcl25			Unknown	No	
22019	01625	Benton Rural Electric	Intermountain Gas	NWP	1904	22019	FALSE hvstove	FALSE hvstove	Propane	Propane					1979 1976-1980	No	
22019	01625	Benton Rural Electric	Intermountain Gas	NWP	1904	22019	FALSE hvstove	FALSE hvstove	Wood	Wood	LENNOX				Unknown	No	
22019	01625	Benton Rural Electric	Intermountain Gas	NWP	1904	22019	FALSE hvstove	FALSE hvstove	Gas	Gas					1976 1976-1980	No	
22021	02545	City of Burley	Intermountain Gas	NWP	1192	22021	TRUE hvstove	TRUE hvstove	Electric	Electric					Unknown	No	
22024	03739	Clearwater Power	Intermountain Gas	NWP	1192	22024	TRUE hvstove	TRUE hvstove	Gas	Gas	GOODMA	GMH-8070			Unknown	No	
22039	08699	Inland Power & Light	Avista Energy	NWP	1904	22039	TRUE hvstove	TRUE hvstove	Gas	Gas	AMANA	AMS8090			2007 2006-2011	No	
22041	12825	Northwestern	Northwestern Energy	IOW	2131	22041	TRUE hvstove	TRUE hvstove	Gas	Gas					2005 2001-2005	No	
22047	14954	PacificCorp	Intermountain Gas	IOW	3786	22047	TRUE hvstove	TRUE hvstove	Electric	Electric					Unknown	No	
22047	14954	PacificCorp	Intermountain Gas	IOW	3786	22047	FALSE hvstove	FALSE hvstove	Gas	Gas	BRYANT	223ANAD			Unknown	No	
22052	08699	Inland Power & Light	Avista Energy	NWP	1904	22052	TRUE hvstove	TRUE hvstove	Electric	Electric					2008 2006-2011	No	
22052	08699	Inland Power & Light	Avista Energy	NWP	1904	22052	FALSE hvstove	FALSE hvstove	Gas	Gas					Unknown	No	
22053	03644	PUD No 1 of Clallam	NWP	NWP	2080	22053	TRUE hvstove	TRUE hvstove	Electric	Electric					Unknown	No	
22059	14624	PUD No 2 of Grant	NWP	NWP	1904	22059	FALSE hvstove	FALSE hvstove	Electric	Electric	TRANE	4tw5030			1985 1981-1985	No	
22059	14624	PUD No 2 of Grant	NWP	NWP	1904	22059	FALSE hvstove	FALSE hvstove	Pellets	Pellets					2009 2006-2011	No	
22061	14055	PUD No 1 of Okanogan	NWP	NWP	1904	22061	TRUE hvstove	TRUE hvstove	Electric	Electric	MITSUBIS	M5ZGE18			Unknown	No	
22061	14055	PUD No 1 of Okanogan	NWP	NWP	1904	22061	TRUE hvstove	TRUE hvstove	Electric	Electric	TRANE	4TWB403			2011 2006-2011	No	
22067	09191	Idaho Power Co	Intermountain Gas	IOW	3786	22067	TRUE hvstove	TRUE hvstove	Electric	Electric					2010 2006-2011	No	
22084	12825	Northwestern	Intermountain Gas	IOW	2131	22084	TRUE hvstove	TRUE hvstove	Gas	Gas	BURNHA	PXG2005P			Unknown	No	
22086	09191	Idaho Power Co	Intermountain Gas	IOW	3786	22086	TRUE hvstove	TRUE hvstove	Gas	Gas	YORK				2010 2006-2011	No	
22087	03264	Central Lincoln People's	Intermountain Gas	NWP	1613	22087	FALSE hvstove	FALSE hvstove	Wood	Wood					Unknown	No	
22087	03264	Central Lincoln People's	Intermountain Gas	NWP	1613	22087	FALSE hvstove	FALSE hvstove	Electric	Electric					Unknown	No	
22087	03264	Central Lincoln People's	Intermountain Gas	NWP	1613	22087	FALSE hvstove	FALSE hvstove	Gas	Gas					1976 1976-1980	No	
22095	12825	Northwestern	Intermountain Gas	IOW	2131	22095	TRUE hvstove	TRUE hvstove	Electric	Electric					Unknown	No	
22095	12825	Northwestern	Intermountain Gas	IOW	2131	22095	FALSE hvstove	FALSE hvstove	Gas	Gas					Unknown	No	
22096	14354	PacificCorp	Intermountain Gas	IOW	3786	22096	TRUE hvstove	TRUE hvstove	Electric	Electric					Unknown	No	
22096	14354	PacificCorp	Intermountain Gas	IOW	3786	22096	FALSE hvstove	FALSE hvstove	Wood	Wood					Unknown	No	
22096	14354	PacificCorp	Intermountain Gas	IOW	3786	22096	FALSE hvstove	FALSE hvstove	Electric	Electric					Unknown	No	
22096	14354	PacificCorp	Intermountain Gas	IOW	3786	22096	FALSE hvstove	FALSE hvstove	Wood	Wood					Unknown	No	
22096	14354	PacificCorp	Intermountain Gas	IOW	3786	22096	FALSE hvstove	FALSE hvstove	Electric	Electric					Unknown	No	
22108	40437	Emerald People's Utility	Intermountain Gas	IOW	3786	22108	TRUE hvstove	TRUE hvstove	Electric	Electric	CLIMATE	PDW48GA			Unknown	No	
22109	01579	Emerald People's Utility	Intermountain Gas	NWP	1613	22109	FALSE hvstove	FALSE hvstove	Wood	Wood					Unknown	No	
22109	01579	Emerald People's Utility	Intermountain Gas	NWP	1613	22109	FALSE hvstove	FALSE hvstove	Propane	Propane	TRANE	TWR060C			1998 1996-2000	No	
22109	01579	Emerald People's Utility	Intermountain Gas	NWP	1613	22109	FALSE hvstove	FALSE hvstove	Electric	Electric					Unknown	No	
22109	01579	Emerald People's Utility	Intermountain Gas	NWP	1613	22109	FALSE hvstove	FALSE hvstove	Wood	Wood					Unknown	No	
22121	13758	Northern Lights, Inc	Intermountain Gas	NWP	1192	22121	TRUE hvstove	TRUE hvstove	Gas	Gas					Unknown	No	
22124	14668	Penninsula Light	Plug&Sound Energy	NWP	4500	22124	FALSE hvstove	FALSE hvstove	Gas	Gas					Unknown	No	
22124	14668	Penninsula Light	Plug&Sound Energy	NWP	4500	22124	FALSE hvstove	FALSE hvstove	Wood	Wood					Unknown	No	
22124	14668	Penninsula Light	Plug&Sound Energy	NWP	4500	22124	FALSE hvstove	FALSE hvstove	Electric	Electric	AMERICA				Unknown	No	
22125	10944	PUD No 1 of Lewis	Intermountain Gas	NWP	2080	22125	TRUE hvstove	TRUE hvstove	Electric	Electric					Unknown	No	
22125	10944	PUD No 1 of Lewis	Intermountain Gas	NWP	2080	22125	FALSE hvstove	FALSE hvstove	Electric	Electric	CARRIER	f4dm4013			Unknown	No	
22130	09191	Idaho Power Co	Intermountain Gas	IOW	3786	22130	TRUE hvstove	TRUE hvstove	Gas	Gas	TRANE				2010 2006-2011	No	
22130	09191	Idaho Power Co	Intermountain Gas	IOW	3786	22130	FALSE hvstove	FALSE hvstove	Electric	Electric	TRANE	twr018c1			1993 1991-1995	No	
22131	14354	PacificCorp	Intermountain Gas	IOW	8565	22131	TRUE hvstove	TRUE hvstove	Electric	Electric					Unknown	No	
22131	14354	PacificCorp	Intermountain Gas	IOW	8565	22131	FALSE hvstove	FALSE hvstove	Electric	Electric					Unknown	No	
22138	09191	Idaho Power Co	Intermountain Gas	IOW	3786	22138	FALSE hvstove	FALSE hvstove	Pellets	Pellets					1993 1991-1995	No	
22138	09191	Idaho Power Co	Intermountain Gas	IOW	3786	22138	FALSE hvstove	FALSE hvstove	Electric	Electric					Unknown	No	
22144	09191	Idaho Power Co	Intermountain Gas	IOW	3786	22144	TRUE hvstove	TRUE hvstove	Gas	Gas	PAYNE				Unknown	No	
22144	09191	Idaho Power Co	Intermountain Gas	IOW	3786	22144	FALSE hvstove	FALSE hvstove	Electric	Electric	RUID	UPWD-			2000 1996-2000	No	
22163	10454	Koosavai Electric Coop	Intermountain Gas	NWP	1192	22163	FALSE hvstove	FALSE hvstove	Propane	Propane					2004 2001-2005	No	
22163	10454	Koosavai Electric Coop	Intermountain Gas	NWP	1192	22163	FALSE hvstove	FALSE hvstove	Pellets	Pellets					Unknown	No	
22169	09186	Idaho City I&P Coop	Intermountain Gas	NWP	1192	22169	TRUE hvstove	TRUE hvstove	Electric	Electric					Unknown	No	
22169	09186	Idaho City I&P Coop	Intermountain Gas	NWP	1192	22169	FALSE hvstove	FALSE hvstove	Wood	Wood					Unknown	No	
22172	01579	PUD No 1 of Benton	Intermountain Gas	NWP	1904	22172	FALSE hvstove	FALSE hvstove	Electric	Electric					Unknown	No	
22172	01579	PUD No 1 of Benton	Intermountain Gas	NWP	1904	22172	FALSE hvstove	FALSE hvstove	Electric	Electric					Unknown	No	
22175	15327	Public Utility District No	Northwestern Energy	NWP	2080	22175	TRUE hvstove	TRUE hvstove	Electric	Electric	VAILLANT	GA92100E			2005 2001-2005	No	
22176	12825	Northwestern	Northwestern Energy	IOW	2131	22176	TRUE hvstove	TRUE hvstove	Gas	Gas					Unknown	No	
22177	04743	Consumers Power, Inc	Intermountain Gas	NWP	1613	22177	TRUE hvstove	TRUE hvstove	Electric	Electric					Unknown	No	
22177	04743	Consumers Power, Inc	Intermountain Gas	NWP	1613	22177	FALSE hvstove	FALSE hvstove	Electric	Electric					Unknown	No	
22177	04743	Consumers Power, Inc	Intermountain Gas	NWP	1613	22177	FALSE hvstove	FALSE hvstove	Gas	Gas					Unknown	No	
22179	09191	Idaho Power Co	Intermountain Gas	IOW	3786	22179	TRUE hvstove	TRUE hvstove	Electric	Electric					Unknown	No	
22179	09191	Idaho Power Co	Intermountain Gas	IOW	3786	22179	FALSE hvstove	FALSE hvstove	Electric	Electric					Unknown	No	
22180	03660	PUD No 1 of Clark	Intermountain Gas	NWP	2080	22180	TRUE hvstove	TRUE hvstove	Electric	Electric	SANYO	khs2472			2009 2006-2011	No	
22180	03660	PUD No 1 of Clark	Intermountain Gas	NWP	2080	22180	FALSE hvstove	FALSE hvstove	Wood	Wood					Unknown	No	
22180	03660	PUD No 1 of Clark	Intermountain Gas	NWP	2080	22180	FALSE hvstove	FALSE hvstove	Electric	Electric					Unknown	No	
22181	20297	City of Weiser	Intermountain Gas	NWP	2080	22181	FALSE hvstove	FALSE hvstove	Gas	Gas					Unknown	No	
22181	20297	City of Weiser	Intermountain Gas	NWP	1192	22181	FALSE hvstove	FALSE hvstove	Wood	Wood					Unknown	No	
22186	09191	Idaho Power Co	Intermountain Gas	IOW	3786	22186	TRUE hvstove	TRUE hvstove	Gas	Gas	COLEMAN	tg9506a1			2008 2006-2011	No	
22187	40437	Emerald People's Utility	Intermountain Gas	NWP	1613	22187	FALSE hvstove	FALSE hvstove	Electric	Electric	TRANE	4tw6036			2004 2001-2005	No	
22187	40437	Emerald People's Utility	Intermountain Gas	NWP	1613	22187	FALSE hvstove	FALSE hvstove	Electric	Electric					Unknown	No	
22187	40437	Emerald People's Utility	Intermountain Gas	NWP	1613	22187	FALSE hvstove	FALSE hvstove	Electric	Electric					Unknown	No	
22191	14954	PacificCorp	Intermountain Gas	IOW	8565	22191	FALSE hvstove	FALSE hvstove	Electric	Electric					Unknown	No	
22191	14954	PacificCorp	Intermountain Gas	IOW	8565	22191	TRUE hvstove	TRUE hvstove	Gas	Gas	LENNOX	g6Imp-60-			Unknown	No	
22198	09191	Idaho Power Co	Intermountain Gas	IOW	3786	22198	TRUE hvstove	TRUE hvstove	Electric	Electric					2011 2006-2011	No	
22200	10454	Kootenai Electric Coop	Intermountain Gas	NWP	1192	22200	FALSE hvstove	FALSE hvstove	Gas	Gas					Unknown	No	
22203	12439	Midstate Electric Coop	CNG - Cascade Natural Gas	NWP	1925	22203	TRUE hvstove	TRUE hvstove	Electric	Electric	LENNOX	80mgf3-			1998 1996-2000	No	
22203	12439	Midstate Electric Coop	CNG - Cascade Natural Gas	NWP	1925	22203	FALSE hvstove	FALSE hvstove	Gas	Gas					Unknown	No	
22205	14074	Okanogan County	Intermountain Gas	NWP	1904	22205	TRUE hvstove	TRUE hvstove	Electric	Electric					1990 1986-1990	No	

popularity	utility_id	Electric Utility	Gas Utility	Utility Type	swt_wt	HVAC Heating System Count	HVAC Heat Type	HVAC Primary	HVAC Type	HVAC Fuel	HVAC Mod	HVAC Equip	HVAC Year	Vintage	Any PSE Service Territory	
22205	14074	Okanogan County	Intermountain Gas	NWP	1904	22205	TRUE Istovse	TRUE Istovse	Pellets					Unknown	No	
22212	17839	City of Springfield	Intermountain Gas	NWP	1613	22212	TRUE Istovse	FALSE pluginheater	Electric					Unknown	No	
22212	17839	City of Springfield	Intermountain Gas	NWP	1613	22212	TRUE Istovse	FALSE pluginheater	Electric					Unknown	No	
22214	12825	NorthWestern	Intermountain Gas	IOU	2131	22214	TRUE Istovse	FALSE baseboard	Electric					Unknown	No	
22214	12825	NorthWestern	Intermountain Gas	IOU	2131	22214	TRUE Istovse	FALSE baseboard	Electric					Unknown	No	
22214	12825	NorthWestern	Intermountain Gas	IOU	2131	22214	TRUE Istovse	FALSE pluginheater	Electric					Unknown	No	
22214	12825	NorthWestern	Intermountain Gas	IOU	2131	22214	TRUE Istovse	FALSE pluginheater	Electric					Unknown	No	
22215	09191	Idaho Power Co	Intermountain Gas	IOU	3786	22215	TRUE Istovse	FALSE Istovse	Gas	GOODMA	GMS8070	64000	2006	2006-2011	No	
22215	09191	Idaho Power Co	Intermountain Gas	IOU	3786	22215	TRUE Istovse	FALSE Istovse	Gas			15000		Unknown	No	
22222	08699	Inland Power & Light	Avista Energy	NWP	1904	22222	TRUE Istovse	TRUE Istovse	Gas	TRANE	tw9030c1		1998	1996-2000	No	
22225	03240	Central Electric Coop Inc	Intermountain Gas	NWP	1925	22225	TRUE heatpump	FALSE heatpump	Electric					Unknown	No	
22225	03240	Central Electric Coop Inc	Intermountain Gas	NWP	1925	22225	FALSE Istovse	FALSE Istovse	Wood					Unknown	No	
22225	03240	Central Electric Coop Inc	Intermountain Gas	NWP	1925	22225	FALSE pluginheater	FALSE pluginheater	Electric					Unknown	No	
22226	09191	Idaho Power Co	Intermountain Gas	IOU	3786	22226	TRUE Istovse	TRUE Istovse	Gas	TRANE	TUH2808	76000	2009	2006-2011	No	
22226	09191	Idaho Power Co	Intermountain Gas	IOU	3786	22226	FALSE Istovse	FALSE Istovse	Wood					Unknown	No	
22228	05327	Douglas Electric Coop.	Intermountain Gas	NWP	1613	22228	TRUE Istovse	FALSE Istovse	Wood					Unknown	No	
22228	05327	Douglas Electric Coop.	Intermountain Gas	NWP	1613	22228	FALSE heatpump	FALSE heatpump	Electric	RHEEM	rpec-		1992	1991-1995	No	
22232	06716	PUD No 1 of Franklin	Intermountain Gas	NWP	1904	22232	TRUE Istovse	TRUE heatpump	Electric	TRANE	4TWB303		2009	2006-2011	No	
22233	12439	Midstate Electric Coop.	Intermountain Gas	NWP	1925	22233	TRUE Istovse	FALSE baseboard	Electric					Unknown	No	
22233	12439	Midstate Electric Coop.	Intermountain Gas	NWP	1925	22233	FALSE Istovse	FALSE baseboard	Oil					Unknown	No	
22233	12439	Midstate Electric Coop.	Intermountain Gas	NWP	1925	22233	TRUE Istovse	FALSE Istovse	Wood					Unknown	No	
22240	20169	Avista Corp	Intermountain Gas	IOU	3786	22240	TRUE Istovse	FALSE pluginheater	Electric					Unknown	No	
22240	20169	Avista Corp	Intermountain Gas	IOU	3786	22240	FALSE baseboard	FALSE pluginheater	Electric					Unknown	No	
22240	20169	Avista Corp	Intermountain Gas	IOU	3786	22240	TRUE Istovse	TRUE Istovse	Electric					Unknown	No	
22245	20169	Avista Corp	Intermountain Gas	IOU	12271	22245	TRUE Istovse	TRUE Istovse	Electric					1978	1976-1980	No
22246	03240	Central Electric Coop Inc	Intermountain Gas	NWP	1925	22246	TRUE Istovse	TRUE Istovse	Wood					Unknown	No	
22246	03240	Central Electric Coop Inc	Intermountain Gas	NWP	1925	22246	FALSE Istovse	FALSE Istovse	Wood					Unknown	No	
22246	03240	Central Electric Coop Inc	Intermountain Gas	NWP	1925	22246	FALSE Istovse	FALSE Istovse	Wood					Unknown	No	
22250	10393	PUD No 1 of Klickitat	Intermountain Gas	NWP	1904	22250	TRUE Istovse	FALSE Istovse	Wood					Unknown	No	
22250	10393	PUD No 1 of Klickitat	Intermountain Gas	NWP	1904	22250	FALSE Istovse	FALSE Istovse	Wood					Unknown	No	
22273	14624	PUD No 2 of Grant	Intermountain Gas	NWP	1904	22273	TRUE Istovse	TRUE Istovse	Electric					Unknown	No	
22280	03413	PUD No 1 of Chelan	Other	12271	22280	22273	TRUE Istovse	TRUE Istovse	Wood					Unknown	No	
22280	03413	PUD No 1 of Chelan	Other	12271	22280	22273	FALSE Istovse	FALSE Istovse	Electric	SESCO	SH7			Unknown	No	
22280	03413	PUD No 1 of Chelan	Other	12271	22280	22273	FALSE Istovse	FALSE Istovse	Electric	BURNHA	205NI-	108000		Unknown	No	
22281	25586	Vigilante Electric Coop.	Northwestern Energy	NWP	1145	22281	TRUE Istovse	TRUE Istovse	Gas					Unknown	No	
22281	25586	Vigilante Electric Coop.	Northwestern Energy	NWP	1145	22281	FALSE Istovse	FALSE Istovse	Electric					Unknown	No	
22281	25586	Vigilante Electric Coop.	Northwestern Energy	NWP	1145	22281	TRUE Istovse	FALSE pluginheater	Electric					Unknown	No	
22281	25586	Vigilante Electric Coop.	Northwestern Energy	NWP	1145	22281	FALSE Istovse	FALSE pluginheater	Electric					Unknown	No	
22288	03660	Northwestern Energy	Intermountain Gas	NWP	2080	22288	TRUE Istovse	TRUE Istovse	Gas	TRANE	td0809j93	64000	1995	1991-1995	Yes	
22288	03660	Northwestern Energy	Intermountain Gas	NWP	2080	22288	FALSE Istovse	FALSE Istovse	Wood					2004	2001-2005	Yes
22289	03832	Emhurst Mutual Power	Plugit Sound Energy	NWP	4360	22289	FALSE Istovse	FALSE pluginheater	Electric					Unknown	No	
22289	03832	Emhurst Mutual Power	Plugit Sound Energy	NWP	4360	22289	TRUE Istovse	FALSE pluginheater	Electric					Unknown	No	
22291	10454	Kootenai Electric Coop	Avista Energy	NWP	1192	22291	TRUE Istovse	TRUE Istovse	Gas					Unknown	No	
22291	10454	Kootenai Electric Coop	Avista Energy	NWP	1192	22291	FALSE Istovse	FALSE Istovse	Gas					Unknown	No	
22291	10454	Kootenai Electric Coop	Avista Energy	NWP	1192	22291	TRUE Istovse	TRUE Istovse	Gas					Unknown	No	
22295	14109	Oregon Trail El Cons	CNG - Cascade Natural Gas	NWP	1925	22295	TRUE Istovse	TRUE Istovse	Gas					Unknown	No	
22295	14109	Oregon Trail El Cons	Avista Energy	NWP	1925	22295	TRUE Istovse	TRUE Istovse	Gas					Unknown	No	
22302	07474	Consumers Power, Inc	Intermountain Gas	NWP	1613	22302	TRUE Istovse	TRUE Istovse	Wood					Unknown	No	
22302	07474	Consumers Power, Inc	Intermountain Gas	NWP	1613	22302	FALSE baseboard	FALSE baseboard	Electric					Unknown	No	
22302	07474	Consumers Power, Inc	Intermountain Gas	NWP	1613	22302	FALSE heatpump	FALSE heatpump	Electric					Unknown	No	
22306	13925	NorthWestern	Intermountain Gas	IOU	3786	22306	TRUE Istovse	TRUE Istovse	Gas	BRYANT	650n95E	87000	1998	1996-2000	No	
22313	20169	Avista Corp	Intermountain Gas	IOU	3786	22313	TRUE Istovse	TRUE Istovse	Gas	WEL-	CP109184		1996	1996-2000	No	
22313	20169	Avista Corp	Intermountain Gas	IOU	3786	22313	FALSE Istovse	FALSE Istovse	Gas					Unknown	No	
22313	20169	Avista Corp	Intermountain Gas	IOU	3786	22313	TRUE Istovse	TRUE Istovse	Electric					Unknown	No	
22319	09191	Idaho Power Co	Intermountain Gas	IOU	3786	22319	FALSE Istovse	FALSE Istovse	Wood					Unknown	No	
22319	09191	Idaho Power Co	Intermountain Gas	IOU	3786	22319	TRUE Istovse	TRUE Istovse	Electric					Unknown	No	
22322	04037	Emerald Peoples Utility	Northwestern Energy	NWP	1613	22322	TRUE Istovse	TRUE Istovse	Gas	TRANE	tds100s9	80000	2004	2001-2005	No	
22333	18603	USBA-Mission Valley	Intermountain Gas	NWP	1145	22333	FALSE baseboard	FALSE baseboard	Electric	GOODMA	GMRH309	89000	2004	2001-2005	No	
22333	18603	USBA-Mission Valley	Intermountain Gas	NWP	1145	22333	FALSE pluginheater	FALSE pluginheater	Electric					Unknown	No	
22352	03739	Clearwater Power	Northwestern Energy	NWP	1192	22352	TRUE Istovse	TRUE Istovse	Electric					Unknown	No	
22352	03739	Clearwater Power	Northwestern Energy	NWP	1192	22352	FALSE Istovse	FALSE Istovse	Wood					Unknown	No	
22369	12825	NorthWestern	Intermountain Gas	IOU	2131	22369	TRUE Istovse	TRUE Istovse	Gas	TRANE	ux100c94	94000	2005	2001-2005	No	
22375	12187	McMinnville City of	Intermountain Gas	NWP	1613	22375	TRUE heatpump	TRUE heatpump	Electric	TRANE	TMN036C		1996	1996-2000	No	
22398	06395	Flathead Electric Coop	Intermountain Gas	NWP	1145	22398	TRUE Istovse	FALSE Istovse	Electric	ENVISION	hst0032a1			Unknown	No	
22400	03660	PUD No 1 of Clark	Intermountain Gas	NWP	2080	22400	FALSE Istovse	FALSE Istovse	Wood					Unknown	No	
22411	07548	Idaho Power Co	Intermountain Gas	NWP	2080	22411	TRUE Istovse	TRUE Istovse	Electric	SANYO	KMH5127		2010	2006-2011	No	
22413	09191	Idaho Power Co	Intermountain Gas	IOU	3786	22413	FALSE baseboard	FALSE baseboard	Gas	PAYNE	pgma048		2006	2006-2011	No	
22425	09191	Idaho Power Co	Intermountain Gas	IOU	3786	22425	TRUE Istovse	TRUE Istovse	Electric					Unknown	No	
22430	03644	Central Electric Coop Inc	Intermountain Gas	NWP	2080	22430	TRUE heatpump	TRUE heatpump	Electric	LENNOX	XP19-448-	71000	2010	2006-2011	No	
22430	03644	Central Electric Coop Inc	Intermountain Gas	NWP	2080	22430	FALSE baseboard	FALSE baseboard	Electric					Unknown	No	
22445	03413	PUD No 1 of Chelan	Intermountain Gas	IOU	3786	22445	TRUE Istovse	TRUE Istovse	Wood					Unknown	No	
22445	03413	PUD No 1 of Chelan	Intermountain Gas	IOU	3786	22445	FALSE baseboard	FALSE baseboard	Electric					Unknown	No	
22458	14354	PacificCorp	Intermountain Gas	IOU	3786	22458	TRUE Istovse	TRUE Istovse	Gas	LENNOX	G14Q310	93000	1987	1986-1990	No	
22458	14354	PacificCorp	Intermountain Gas	IOU	3786	22458	FALSE Istovse	FALSE Istovse	Propane			15000		Unknown	No	
22460	09191	Idaho Power Co	Intermountain Gas	IOU	3786	22460	TRUE Istovse	TRUE Istovse	Wood					Unknown	No	
22460	09191	Idaho Power Co	Intermountain Gas	IOU	3786	22460	FALSE Istovse	FALSE Istovse	Wood					Unknown	No	
22474	01579	PUD No 1 of Benton	Intermountain Gas	NWP	1904	22474	FALSE pluginheater	FALSE pluginheater	Electric	AMANA	guc090k3	85000	1995	1991-1995	No	
22474	01579	PUD No 1 of Benton	Intermountain Gas	NWP	1904	22474	TRUE heatpump	TRUE heatpump	Electric	TRANE	2TWX103		2006	2006-2011	No	
22475	12825	NorthWestern	Intermountain Gas	IOU	2131	22475	FALSE Istovse	FALSE Istovse	Propane			19500		Unknown	No	
22475	12825	NorthWestern	Intermountain Gas	IOU	2131	22475	TRUE boiler	TRUE boiler	Propane	HONEYWE	300233	53000	2005	2001-2005	No	
22475	12825	NorthWestern	Intermountain Gas	IOU	2131	22475	FALSE Istovse	FALSE Istovse	Gas					Unknown	No	
22479	08699	Inland Power & Light	Intermountain Gas	NWP	1904	22479	TRUE heatpump	TRUE heatpump	Electric	AMERICA	A4GH6036		2008	2006-2011	No	

populatio	utility_id	Gas Utility	Utility Type	svy_wt	HVACHeating_stied	CountOfHVACHHeatIT	HVACPrimary	HVACType	HVACFuel	HVACMaterial	HVACOutput	HVACYear	Vintage	Any PSE Service Territory	
22479	08699	Inland Power & Light	NWP	1904	22479	1	FALSE	Htstove	Propane	WEL-	15.000	2007	Unknown	No	
22479	08699	Inland Power & Light	NWP	1904	22479	1	FALSE	Htstove	Propane	WEL-	15.000	2007	Unknown	No	
22493	03240	Central Electric Coop Inc	NWP	1925	22493	1	TRUE	Boiler	Gas	LENOX	15.000	2007	2006-2011	No	
22493	03240	Central Electric Coop Inc	NWP	1925	22493	1	FALSE	heatpump	Gas	LENOX	xp190602			No	
22493	03240	Central Electric Coop Inc	NWP	1925	22493	2	FALSE	Htstove	Propane	LENOX				No	
22509	22355	PUD No 1 of Mason	NWP	2080	22509	1	TRUE	baseboard	Electric				Unknown	No	
22509	22355	PUD No 1 of Mason	NWP	2080	22509	2	FALSE	baseboard	Electric				Unknown	No	
22514	09191	Idaho Power Co	IOU	3786	22514	1	TRUE	fan	Gas	LG	009kaaj00	2000	1996-2000	No	
22515	07548	PUD No 1 of Grays	NWP	2080	22515	1	FALSE	baseboard	Electric				Unknown	No	
22515	07548	PUD No 1 of Grays	NWP	2080	22515	1	FALSE	baseboard	Wood				Unknown	No	
22519	12825	Northwestern	IOU	2131	22519	1	TRUE	Boiler	Electric				Unknown	No	
22521	18917	Tillamook Peoples	NWP	1613	22521	1	FALSE	Htstove	Wood				Unknown	No	
22521	18917	Tillamook Peoples	NWP	1613	22521	1	FALSE	fan	Wood				Unknown	No	
22530	03264	Central Lincoln People's	NWP	1613	22530	1	TRUE	Htstove	Wood				Unknown	No	
22530	03264	Central Lincoln People's	NWP	1613	22530	1	FALSE	baseboard	Electric				Unknown	No	
22533	06395	Flathead Electric Coop	NWP	1145	22533	1	TRUE	dhp	Electric				Unknown	No	
22533	06395	Flathead Electric Coop	NWP	1145	22533	1	FALSE	baseboard	Electric				Unknown	No	
22546	14324	Public Utility District No	NWP	2080	22546	1	TRUE	baseboard	Electric				Unknown	No	
22557	03660	PUD No 1 of Clark	NWP	2080	22557	1	FALSE	Htstove	Wood				Unknown	No	
22557	03660	PUD No 1 of Clark	NWP	2080	22557	1	FALSE	Htstove	Gas	COLEMAN		1990	1986-1990	No	
22557	03660	PUD No 1 of Clark	NWP	2080	22557	1	FALSE	Htstove	Propane				Unknown	No	
22559	10154	Kootenai Electric Coop	NWP	1192	22559	1	FALSE	Htstove	Electric		25.600		Unknown	No	
22559	10154	Kootenai Electric Coop	NWP	1192	22559	1	FALSE	pluginheater	Electric				Unknown	No	
22566	07262	Gleicher Electric Coop	NWP	1145	22566	1	TRUE	fan	Gas		GC180DH		Unknown	No	
22570	19603	USBIA-Mission Valley	NWP	1145	22570	1	FALSE	Htstove	Wood				Unknown	No	
22570	19603	USBIA-Mission Valley	NWP	1145	22570	1	FALSE	baseboard	Wood				2003	2001-2005	No
22576	03660	PUD No 1 of Clark	NWP	3786	22576	1	TRUE	Htstove	Gas				Unknown	No	
22576	03660	PUD No 1 of Clark	NWP	3786	22576	1	TRUE	fan	Gas				Unknown	No	
22576	03660	PUD No 1 of Clark	NWP	3786	22576	1	TRUE	heatpump	Gas	CARRIER	38kcdg0	1994	1991-1995	No	
22580	14354	Hood River Electric	NWP	1925	22580	1	TRUE	fan	Gas	CARRIER	CG140BIN	2003	2001-2005	No	
22580	14354	Hood River Electric	NWP	1925	22580	1	FALSE	Htstove	Gas	LENOX	CX3436C6	2008	2006-2011	No	
22590	09187	Northwestern	IOU	12271	22590	1	TRUE	fan	Gas				Unknown	No	
22590	09187	Northwestern	IOU	12271	22590	1	TRUE	baseboard	Electric				Unknown	No	
22590	09187	Northwestern	IOU	12271	22590	1	FALSE	Htstove	Electric				Unknown	No	
22590	09187	Northwestern	IOU	12271	22590	1	FALSE	Htstove	Gas				Unknown	No	
22590	09187	Northwestern	IOU	12271	22590	1	FALSE	baseboard	Wood		19.400		Unknown	No	
22597	14354	PacificCorp	NWP	8265	22597	1	TRUE	fan	Electric				Unknown	No	
22597	14354	PacificCorp	NWP	8265	22597	1	FALSE	Htstove	Gas	LENOX	65R2104/		1986	1986-1990	No
22598	12825	Northwestern	IOU	2131	22598	1	TRUE	heatpump	Gas	YORK	E1FB0365		1992	1991-1995	No
22598	12825	Northwestern	IOU	2131	22598	1	TRUE	fan	Wood	FRANE			2009	2006-2011	No
22607	40437	Emerald People's Utility	NWP	1613	22607	1	FALSE	fireplace	Electric				Unknown	No	
22607	40437	Emerald People's Utility	NWP	1613	22607	1	TRUE	baseboard	Electric	HEIL	NGGM07		1999	1996-2000	No
22612	09191	Idaho Power Co	IOU	3786	22612	1	TRUE	fan	Gas				Unknown	No	
22612	09191	Idaho Power Co	IOU	3786	22612	1	TRUE	Htstove	Gas				Unknown	No	
22612	09191	Idaho Power Co	IOU	3786	22612	1	TRUE	baseboard	Electric				Unknown	No	
22616	12825	Northwestern	IOU	2131	22616	1	FALSE	Htstove	Gas				Unknown	No	
22616	12825	Northwestern	IOU	2131	22616	1	TRUE	Htstove	Electric	AMANA	AS214060		2007	2006-2011	No
22620	03660	PUD No 1 of Clark	NWP	2080	22620	1	FALSE	Htstove	Gas				Unknown	No	
22620	03660	PUD No 1 of Clark	NWP	2080	22620	1	FALSE	Htstove	Gas				Unknown	No	
22620	03660	PUD No 1 of Clark	NWP	2080	22620	1	FALSE	Htstove	Gas				Unknown	No	
22635	01379	PacificCorp	NWP	1925	22635	1	FALSE	Htstove	Pellets				Unknown	No	
22637	12825	Northwestern	IOU	2131	22637	1	FALSE	Htstove	Wood				2006	2006-2011	No
22637	12825	Northwestern	IOU	2131	22637	1	TRUE	Htstove	Electric				Unknown	No	
22637	12825	Northwestern	IOU	2131	22637	1	FALSE	baseboard	Electric				Unknown	No	
22639	19603	USBIA-Mission Valley	NWP	1145	22639	1	FALSE	pluginheater	Electric				Unknown	No	
22641	11699	Missoula Electric Coop	NWP	1145	22641	1	FALSE	Htstove	Electric	ECOMAR	g671-1-		Unknown	No	
22641	11699	Missoula Electric Coop	NWP	1145	22641	1	FALSE	Htstove	Electric	GOODMA	szt140361		2007	2006-2011	No
22649	03240	Central Electric Coop Inc	NWP	1925	22649	1	FALSE	Htstove	Electric				Unknown	No	
22649	03240	Central Electric Coop Inc	NWP	1925	22649	1	FALSE	pluginheater	Electric				Unknown	No	
22653	03660	PUD No 1 of Clark	NWP	2080	22653	1	FALSE	Htstove	Electric	CARRIER	38V1CD02		2004	2001-2005	No
22653	03660	PUD No 1 of Clark	NWP	2080	22653	1	FALSE	Htstove	Wood				Unknown	No	
22653	03660	PUD No 1 of Clark	NWP	2080	22653	1	FALSE	Htstove	Wood				Unknown	No	
22653	03660	PUD No 1 of Clark	NWP	2080	22653	1	FALSE	Htstove	Gas	BURNHA	ajp150h-		1968	1966-1970	No
22653	03660	PUD No 1 of Clark	NWP	2080	22653	1	FALSE	baseboard	Gas	BURNHA	P205AWN		1997	1996-2000	No
22659	07473	Consumers Power, Inc	NWP	1613	22659	1	TRUE	fan	Gas				Unknown	No	
22659	07473	Consumers Power, Inc	NWP	1613	22659	1	TRUE	heatpump	Electric	LENOX	hp25-311-		1968	1966-1970	No
22701	14109	Oregon Trail EI Cons	NWP	1925	22701	1	FALSE	Htstove	Electric	LENOX	hxb015-		1995	1991-1995	No
22701	14109	Oregon Trail EI Cons	NWP	1925	22701	1	FALSE	pluginheater	Electric				2003	2001-2005	No
22701	14109	Oregon Trail EI Cons	NWP	1925	22701	1	FALSE	pluginheater	Electric				Unknown	No	
22702	14012	Chop Mutual Light	NWP	4360	22702	1	FALSE	Htstove	Propane	YORK	E4FD0605		2002	2001-2005	No
22702	14012	Chop Mutual Light	NWP	4360	22702	1	FALSE	Htstove	Gas	FRANE	TDD2B060		2008	2006-2011	No
22703	03660	PUD No 1 of Clark	NWP	2080	22703	1	FALSE	Htstove	Gas				Unknown	No	
22703	03660	PUD No 1 of Clark	NWP	2080	22703	1	FALSE	pluginheater	Electric				Unknown	No	
22703	03660	PUD No 1 of Clark	NWP	2080	22703	1	FALSE	Htstove	Wood				Unknown	No	
22705	19603	USBIA-Mission Valley	NWP	1145	22705	1	FALSE	Htstove	Wood				Unknown	No	
22705	19603	USBIA-Mission Valley	NWP	1145	22705	2	FALSE	Htstove	Gas	SEARS	229-		Unknown	No	
22721	12825	Northwestern	IOU	2131	22721	1	TRUE	baseboard	Electric				Unknown	No	
22724	20169	Avista Corp	IOU	3786	22724	1	TRUE	pluginheater	Electric				Unknown	No	

populati	utility_id	Gas Utility	Utility Type	svy_wt	HVAC Heating System	HVAC Primary	HVAC Type	HVAC Fuel	HVAC Mod	HVAC Equip	HVAC Year	Vintage	Any PSE Service Territory
23720	14624	NWP	Electric Utility	1904	23720	TRUE fuf	TRUE fuf	Electric			1999	1996-2000	No
23720	14624	NWP	PUD No 2 of Grant	1904	23720	FALSE Istove	FALSE Istove	Pellets				Unknown	No
23720	14624	NWP	PUD No 2 of Grant	1904	23720	TRUE fuf	TRUE fuf	Gas	CARRIER	58sc075-	1989	1986-1990	No
23721	06395	NWP	Northwestern Energy	1145	23721	TRUE fuf	TRUE fuf	Gas		71000		Unknown	No
23724	28541	NWP	Clatskanie Peoples Util	1613	23724	FALSE Istove	FALSE Istove	Wood				Unknown	No
23724	28541	NWP	Clatskanie Peoples Util	1613	23724	FALSE Istove	FALSE Istove	Wood				Unknown	No
23734	03660	NWP	PUD No 1 of Clark	2080	23734	TRUE Istove	TRUE Istove	Electric				Unknown	No
23734	03660	NWP	PUD No 1 of Clark	2080	23734	FALSE Istove	FALSE Istove	Wood				Unknown	No
23742	09191	IOU	Intermountain Gas	3786	23742	TRUE boiler	TRUE boiler	Gas	VOYAGER		1993	1991-1995	No
23744	08699	NWP	Inland Power & Light	1904	23744	FALSE plughnheater	FALSE plughnheater	Electric				Unknown	No
23746	14354	IOU	PacificCorp	8559	23746	TRUE ghp	TRUE ghp	Electric				Unknown	No
23756	14055	NWP	PUD No 1 of Okanogan	1904	23756	TRUE heatpump	TRUE heatpump	Electric	COLEMAN BRHQD30		1992	1991-1995	No
23756	14055	NWP	PUD No 1 of Okanogan	1904	23756	FALSE plughnheater	FALSE plughnheater	Electric				Unknown	No
23762	14954	IOU	PacificCorp	8265	23762	TRUE heatpump	TRUE heatpump	Electric	ARMSTRO 4lpi13130		2010	2006-2011	No
23763	03644	NWP	PUD No 1 of Clallam	2080	23763	TRUE Istove	TRUE Istove	Gas		65000	1991	1991-1995	No
23765	06395	NWP	Northwestern Energy	1145	23765	FALSE baseboard	FALSE baseboard	Electric				Unknown	No
23765	06395	NWP	Northwestern Energy	1145	23765	FALSE Istove	FALSE Istove	Gas	CARRIER 58WMA08	74000	1995	1991-1995	No
23765	06395	NWP	Northwestern Energy	1145	23765	FALSE Istove	FALSE Istove	Gas		38000		Unknown	No
23765	06395	NWP	Northwestern Energy	1145	23765	FALSE Istove	FALSE Istove	Gas				Unknown	No
23788	10154	NWP	Kootenai Electric Coop	1192	23788	TRUE Istove	TRUE Istove	Oil				Unknown	No
23791	08699	NWP	Inland Power & Light	1904	23791	FALSE plughnheater	FALSE plughnheater	Electric				Unknown	No
23813	06297	NWP	PUD No 1 of Ferry	1904	23813	TRUE heatpump	TRUE heatpump	Electric	RHEEM RPQLD30J		2011	2006-2011	No
23813	06297	NWP	PUD No 1 of Ferry	1904	23813	FALSE Istove	FALSE Istove	Wood				Unknown	No
23813	06297	NWP	PUD No 1 of Ferry	1904	23813	TRUE Istove	TRUE Istove	Wood				Unknown	No
23813	06297	NWP	PUD No 1 of Ferry	1904	23813	FALSE heatpump	FALSE heatpump	Propane		17600		Unknown	No
23813	06297	NWP	PUD No 1 of Ferry	1904	23813	FALSE Istove	FALSE Istove	Propane		28800		Unknown	No
23813	06297	NWP	PUD No 1 of Ferry	1904	23813	FALSE Istove	FALSE Istove	Propane		65400		Unknown	No
23824	12692	NWP	Missoula Electric Coop	1145	23824	TRUE fuf	TRUE fuf	Electric	GOODMA GMH9507		2011	2006-2011	No
23830	40437	NWP	Emerald People's Utility	1613	23830	FALSE plughnheater	FALSE plughnheater	Electric				Unknown	No
23830	40437	NWP	Emerald People's Utility	1613	23830	TRUE fuf	TRUE fuf	Electric				Unknown	No
23835	14354	IOU	PacificCorp	8265	23835	FALSE plughnheater	FALSE plughnheater	Gas		80000		Unknown	No
23835	14354	IOU	PacificCorp	8265	23835	TRUE fuf	TRUE fuf	Gas				Unknown	No
23835	14354	IOU	PacificCorp	8265	23835	FALSE baseboard	FALSE baseboard	Electric				Unknown	No
23835	14354	IOU	PacificCorp	8265	23835	FALSE Istove	FALSE Istove	Gas				Unknown	No
23840	06395	NWP	Northwestern Energy	1145	23840	TRUE fuf	TRUE fuf	Gas	LENNOX 660uhv-	60000		Unknown	No
23840	06395	NWP	Northwestern Energy	1145	23840	FALSE Istove	FALSE Istove	Gas		40000		Unknown	No
23846	13603	NWP	USBA-Mission Valley	1145	23846	TRUE baseboard	TRUE baseboard	Electric				Unknown	No
23847	03644	NWP	PUD No 1 of Clallam	2080	23847	TRUE fuf	TRUE fuf	Electric	LENNOX G24M3/4	82000		Unknown	No
23857	07262	NWP	Glacier Electric Coop	1145	23857	FALSE Istove	FALSE Istove	Wood				Unknown	No
23857	07262	NWP	Glacier Electric Coop	1145	23857	TRUE fuf	TRUE fuf	Electric				Unknown	No
23857	07262	NWP	Glacier Electric Coop	1145	23857	FALSE plughnheater	FALSE plughnheater	Electric				Unknown	No
23859	12825	IOU	Northwestern Energy	2131	23859	TRUE fuf	TRUE fuf	Gas	PAYNE			Unknown	No
23860	03240	NWP	Central Electric Coop Inc	1925	23860	TRUE heatpump	TRUE heatpump	Electric	TRANE twy042b1		1985	1981-1985	No
23860	03240	NWP	Central Electric Coop Inc	1925	23860	FALSE baseboard	FALSE baseboard	Electric				Unknown	No
23860	03240	NWP	Central Electric Coop Inc	1925	23860	TRUE heatpump	TRUE heatpump	Electric				Unknown	No
23860	03240	NWP	Central Electric Coop Inc	1925	23860	FALSE Istove	FALSE Istove	Propane		20000		Unknown	No
23870	13825	IOU	Northwestern Energy	2131	23870	TRUE fuf	TRUE fuf	Wood				Unknown	No
23870	13825	IOU	Northwestern Energy	2131	23870	TRUE fuf	TRUE fuf	Gas	DAY & YORK 388AA1V0	64000	1982	1981-1985	No
23870	13825	IOU	Northwestern Energy	2131	23870	TRUE fuf	TRUE fuf	Gas	GYSE0808	150000	2007	2006-2011	No
23882	11669	NWP	Missoula Electric Coop	2080	23882	TRUE fuf	TRUE fuf	Gas	Goodman	26500	1992	1991-1995	No
23886	12758	NWP	Northern Lights, Inc	1145	23886	FALSE baseboard	FALSE baseboard	Electric				Unknown	No
23886	12758	NWP	Northern Lights, Inc	1145	23886	FALSE Istove	FALSE Istove	Wood				Unknown	No
23886	12758	NWP	Northern Lights, Inc	1145	23886	TRUE heatpump	TRUE heatpump	Electric				Unknown	No
23886	12758	NWP	Northern Lights, Inc	1145	23886	FALSE baseboard	FALSE baseboard	Electric				Unknown	No
23905	15419	NWP	PUD No 3 of Mason	2080	23905	TRUE fuf	TRUE fuf	Electric	RUUD	upla-	1994	1991-1995	No
23905	15419	NWP	PUD No 3 of Mason	2080	23905	FALSE baseboard	FALSE baseboard	Electric				Unknown	No
23909	16565	NWP	Salmon River Electric	1192	23909	TRUE boiler	TRUE boiler	Electric	LENNOX HM30-	141000		Unknown	No
23910	09191	IOU	Idaho Power Co	3786	23910	FALSE Istove	FALSE Istove	Gas				Unknown	No
23910	09191	IOU	Idaho Power Co	3786	23910	TRUE fuf	TRUE fuf	Gas	TRANE		2009	2006-2011	No
23910	09191	IOU	Idaho Power Co	3786	23910	FALSE Istove	FALSE Istove	Gas	LOCHINVA ET05Kk		1999	1996-2000	No
23914	06395	NWP	Northwestern Energy	1145	23914	TRUE boiler	TRUE boiler	Electric				Unknown	No
23926	20169	IOU	Avista Corp	3786	23926	TRUE Istove	TRUE Istove	Gas		180000		Unknown	No
23931	12692	NWP	Missoula Electric Coop	1145	23931	FALSE Istove	FALSE Istove	Wood				Unknown	No
23932	09191	IOU	Idaho Power Co	3786	23932	TRUE boiler	TRUE boiler	Gas	BURNHA 0502768			Unknown	No
23932	09191	IOU	Idaho Power Co	3786	23932	FALSE Istove	FALSE Istove	Gas	YORK	PICXD16A		Unknown	No
23933	09191	IOU	Idaho Power Co	3786	23933	TRUE Istove	TRUE Istove	Gas				Unknown	No
23933	09191	IOU	Idaho Power Co	3786	23933	FALSE baseboard	FALSE baseboard	Electric				Unknown	No
23936	14354	IOU	PacificCorp	8265	23936	FALSE Istove	FALSE Istove	Wood				Unknown	No
23939	12825	IOU	Northwestern Energy	2131	23939	TRUE fuf	TRUE fuf	Gas	LENNOX G11137	109600		Unknown	No
23939	12825	IOU	Northwestern Energy	2131	23939	FALSE Istove	FALSE Istove	Wood				Unknown	No
23946	03660	NWP	PUD No 1 of Clark	2080	23946	TRUE baseboard	TRUE baseboard	Electric				Unknown	No
23948	03264	NWP	Central Lincoln People's	1613	23948	TRUE Istove	TRUE Istove	Wood				Unknown	No
23948	03264	NWP	Central Lincoln People's	1613	23948	FALSE baseboard	FALSE baseboard	Electric				Unknown	No
23952	17839	NWP	City of Springfield	1613	23952	FALSE Istove	FALSE Istove	Wood				Unknown	No
23952	17839	NWP	City of Springfield	1613	23952	TRUE dip	TRUE dip	Electric	SANYO kmhs1272		2010	2006-2011	No
23952	17839	NWP	City of Springfield	1613	23952	FALSE baseboard	FALSE baseboard	Electric				Unknown	No
23960	13758	NWP	Northern Lights, Inc	1192	23960	TRUE heatpump	TRUE heatpump	Electric	CARRIER 25HBR330		2006	2006-2011	No
23960	13758	NWP	Northern Lights, Inc	1192	23960	FALSE Istove	FALSE Istove	Wood				Unknown	No
23960	13758	NWP	Northern Lights, Inc	1192	23960	FALSE plughnheater	FALSE plughnheater	Electric				Unknown	No

populatio	utility_id	Gas Utility	Utility Type	sv_wt	HVAC Heating	Count	HVAC Heat	HVAC Primary	HVAC Type	HVAC Fuel	HVAC Make	HVAC Model	HVAC Output	HVAC Year	Vintage	Any PSE Service Territory
24684	08699	NWP	NWP	1904	24684	1	FALSE fireplace	FALSE fireplace	Wood	Wood				Unknown	No	
24684	08699	NWP	NWP	1904	24684	1	FALSE pluginheater	FALSE pluginheater	Wood	Wood				Unknown	No	
24684	19603	NWP	NWP	1145	24686	1	TRUE hstove	TRUE hstove	Wood	Wood				Unknown	No	
24689	07116	CNG - Cascade Natural Gas	NWP	1904	24689	1	TRUE fuf	TRUE fuf	Gas	YORK	GY85115C	64000		2006-2006-2011	No	
24699	03660	PUD No 1 of Clark	NWP	2080	24699	1	TRUE fuf	TRUE fuf	Oil					Unknown	No	
24699	07262	Gleider Electric Coop.	NWP	1145	24699	1	TRUE fuf	TRUE fuf	Gas					1950 Before 1966	No	
24699	07262	Gleider Electric Coop.	NWP	1145	24699	1	FALSE pluginheater	FALSE pluginheater	Electric	Electric				Unknown	No	
24706	17839	City of Springfield	NWP	1613	24706	1	TRUE baseboard	TRUE baseboard	Electric	Electric				Unknown	No	
24713	14109	Oregon Trail El Cons	NWP	1925	24713	1	TRUE hstove	TRUE hstove	Wood	Wood				1987 1988-1990	No	
24733	14668	Peninsula Light	NWP	4360	24733	1	TRUE boiler	TRUE boiler	Gas	WEL-	HEI5	109000		1987 1988-1990	No	
24740	12825	Northwestern Energy	IOU	2131	24740	1	TRUE boiler	TRUE boiler	Gas	Gas				Unknown	No	
24740	12825	Northwestern Energy	IOU	2131	24740	1	FALSE hstove	FALSE hstove	Propane	Propane				Unknown	No	
24765	07262	Gleider Electric Coop.	NWP	1145	24765	1	TRUE hstove	TRUE hstove	Gas	Gas				Unknown	No	
24765	07262	Gleider Electric Coop.	NWP	1145	24765	1	FALSE hstove	FALSE hstove	Wood	Wood				Unknown	No	
24770	09191	Idaho Power Co	IOU	3786	24770	1	TRUE hstove	TRUE hstove	Gas	CARRIER	585TA090	71000		2007 2006-2011	No	
24781	03644	PUD No 1 of Chlalam	NWP	2080	24781	1	TRUE heatpumpdualfuel	TRUE heatpumpdualfuel	Electric	Electric	CARRIER	25HCB336		2008 2006-2011	No	
24781	03644	PUD No 1 of Chlalam	NWP	2080	24781	1	FALSE hstove	FALSE hstove	Wood	Wood				Unknown	No	
24785	06149	City of Ellensburg	NWP	1904	24785	1	TRUE baseboard	TRUE baseboard	Electric	Electric				1993 1991-1995	No	
24790	03660	NW Natural	NWP	2080	24790	1	TRUE fuf	TRUE fuf	Gas	Gas				Unknown	No	
24790	03660	NW Natural	NWP	2080	24790	1	FALSE hstove	FALSE hstove	Gas	Gas				Unknown	No	
24790	03660	NW Natural	NWP	2080	24790	1	FALSE hstove	FALSE hstove	Gas	Gas				1995 1991-1995	No	
24795	03660	NW Natural	NWP	2080	24795	1	TRUE fuf	TRUE fuf	Gas	Gas				2010 2006-2011	No	
24807	03660	NW Natural	NWP	2080	24807	1	TRUE heatpump	TRUE heatpump	Electric	Electric	TRANE	4TWB403		2000 1996-2000	No	
24808	20169	Avista Corp	IOU	3786	24808	1	TRUE fuf	TRUE fuf	Gas	Gas				1990 1988-1990	No	
24816	07548	PUD No 1 of Grays	NWP	2080	24816	1	TRUE heatpump	TRUE heatpump	Electric	Electric	TRANE	TWR730A		1999 1996-2000	No	
24822	12692	Missoula Electric Coop.	NWP	1145	24822	1	TRUE fuf	TRUE fuf	Wood	Wood				Unknown	No	
24822	12692	Missoula Electric Coop.	NWP	1145	24822	1	FALSE hstove	FALSE hstove	Pellets	Pellets				Unknown	No	
24826	02624	Central Lincoln People's	NWP	1613	24826	1	FALSE hstove	FALSE hstove	Electric	Electric				Unknown	No	
24826	02624	Central Lincoln People's	NWP	1613	24826	2	FALSE baseboard	FALSE baseboard	Wood	Wood				Unknown	No	
24827	26916	Ravalli County Elec	NWP	1145	24827	1	TRUE fuf	TRUE fuf	Gas	Gas	PAYNE	pg5maa04	93000		1994 1991-1995	No
24833	14354	PacificCorp	IOU	12271	24833	1	TRUE fuf	TRUE fuf	Oil	Oil				Unknown	No	
24833	14354	PacificCorp	IOU	12271	24833	1	FALSE hstove	FALSE hstove	Wood	Wood				Unknown	No	
24844	09191	Idaho Power Co	IOU	3786	24844	1	TRUE baseboard	TRUE baseboard	Electric	Electric				Unknown	No	
24850	16565	Salmon River Electric	NWP	1192	24850	1	TRUE baseboard	TRUE baseboard	Electric	Electric				Unknown	No	
24850	16565	Salmon River Electric	NWP	1192	24850	1	FALSE hstove	FALSE hstove	Wood	Wood				Unknown	No	
24863	09191	Idaho Power Co	IOU	3786	24863	1	TRUE fuf	TRUE fuf	Gas	Gas	COLEMAN	00500086		2000 1996-2000	No	
24863	09191	Idaho Power Co	IOU	3786	24863	1	FALSE hstove	FALSE hstove	Wood	Wood				Unknown	No	
24860	14668	Peninsula Light	NWP	4360	24860	1	TRUE fuf	TRUE fuf	Gas	Gas				1992 1991-1995	Yes	
24860	14668	Peninsula Light	NWP	4360	24860	1	FALSE hstove	FALSE hstove	Gas	Gas				Unknown	Yes	
24860	14668	Peninsula Light	NWP	4360	24860	1	FALSE hstove	FALSE hstove	Wood	Wood				Unknown	Yes	

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityBt	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage
10002	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
10005	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2006	80	Storage	2005-2011
10011	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	1998	40	Storage	1996-2000
10016	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	40000	4.5	False	2009	40	Storage	2005-2011
10021	04442	PUD No 1 of		NWP	1150.879	1	Electric	FALSE	FALSE	40000	4.5	False	2001	40	Storage	2001-2005
10030	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE	FALSE	40000	5.5	False	1997	50	Storage	1996-2000
10040	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	Kenmore	40000	5.5	False	1999	50	Storage	1996-2000
10044	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000	4.5	False	2009	50	Storage	2005-2011
10052	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	38000	4.5	False	2010	50	Storage	2005-2011
10055	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000	4.5	False	1990	50	Storage	1986-1990
10055	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000	4.5	False	2003	50	Storage	2001-2005
10062	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000	4.5	False	1996	50	Storage	1996-2000
10068	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE	38000	5.5	False	1998	50	Storage	1996-2000
10079	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000	3.8	False	2010	50	Storage	2005-2011
10082	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE	40000	3.38	False	2003	50	Storage	2001-2005
10083	15500	Puget	Puget Sound	IOU	4956.493	2	Gas	FALSE	FALSE	40000	4.5	False	1996	50	Storage	1996-2000
10087	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	1997	50	Storage	1996-2000
10087	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	1999	40	Storage	1996-2000
10096	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	1989	47	Storage	1986-1990
10100	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE	32000	3.8	False	2005	50	Storage	2001-2005
10134	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE		4.5	False	1992	40	Storage	1991-1995
10141	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	1999	50	Storage	1996-2000
10144	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2011	80	Storage	2005-2011
10150	06022	Eugene City	NW Natural	NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
10172	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		4	False	1999	50	Storage	1996-2000
10174	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	1993	50	Storage	1991-1995
10176	04442	PUD No 1 of		NWP	1150.879	1	Electric	FALSE	FALSE		4.5	False	2002	50	Storage	1991-1995
10178	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE	194000	4.5	False	2001	50	Storage	2001-2005
10186	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE		4.5	False	2006	50	Instantaneous	2005-2011
10191	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
10192	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	190000	4.5	False	2007	50	Instantaneous	2005-2011
10211	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	38000	4.5	False	1992	50	Storage	1991-1995
10229	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000	4.5	False	2009	50	Storage	2005-2011
10230	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2005	80	Storage	2001-2005
10231	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000	4.5	False	2002	40	Storage	2001-2005
10235	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	35000	4.5	False	2004	40	Storage	2001-2005
10244	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	34000	4.5	False	1993	40	Storage	1991-1995
10245	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
10254	06022	Eugene City	NW Natural	NWP	1188.027	1	Gas	FALSE	FALSE	76000	4.5	False	2004	75	Storage	2001-2005
10259	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	1991	40	Storage	1991-1995
10265	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	36000	4.5	False	2007	50	Storage	1996-2000
10268	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	40000	4.5	False	2007	50	Storage	2005-2011
10282	04442	PUD No 1 of		NWP	1150.879	1	Electric	FALSE	FALSE	40000	4.5	False	2010	40	Storage	2005-2011
10288	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000	4.5	False	1998	74	Storage	2001-2005
10289	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000	4.5	False	2002	50	Storage	2001-2005
10292	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE	39999	4.5	False	2002	50	Storage	2001-2005
10298	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	73000	4.5	False	1990	75	Storage	1986-1990
10299	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	AO Smith	10000	4.5	False	2009	34	Storage	2005-2011
10305	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	American	18000	4.5	False	2010	40	Instantaneous	2005-2011
10306	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	34000	4.5	False	1991	50	Storage	2005-2011
10309	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE		4.5	False	1991	50	Storage	1991-1995
10313	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	1991	50	Storage	Unknown
10318	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
10319	17470	Snohomish	Puget Sound	NWP	2003.716	1	Oil/Kerosene	FALSE	FALSE	199000	4.5	False	2009	50	Storage	2005-2011
10322	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE	40000	5.5	False	2002	50	Storage	2001-2005
10325	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE		4.5	False	1996	65	Storage	1996-2000
10332	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE	38000	4.5	False	2005	50	Storage	2001-2005
10334	15500	Puget		IOU	4956.493	1	Gas	FALSE	FALSE		4.5	False	2010	66	Storage	2005-2011
10335	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	34000	4.5	False	2005	50	Storage	2001-2005
10337	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
10338	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE	34000	4.5	False	1997	40	Storage	1996-2000
10348	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE		4.5	False	2000	50	Storage	Unknown
10352	06022	Eugene City	NW Natural	NWP	1188.027	1	Gas	FALSE	FALSE		4.5	False	2000	50	Storage	1996-2000
10369	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	Rheem	40000	4.5	False	2000	50	Storage	1996-2000

sited	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt.	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityB	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheatType	Vintage
10384	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
10388	18429	Tacoma City	NW Natural	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	1999	40	Storage	1996-2000
10398	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	Rheem	40000	False	False	1996	50	Storage	1996-2000
10401	17470	Snohomish	NW Natural	NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
10408	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000	False	False	1987	50	Storage	1986-1990
10411	04442	PUD No 1 of	Puget Sound	NWP	1150.879	1	Electric	FALSE	Other		4.5	False	2010	105	Storage	2005-2011
10413	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	Other	40000	3.8	False	2004	55	Storage	2001-2005
10421	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	36000	False	False	2001	50	Storage	2001-2005
10425	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE		4.5	False	1995	50	Storage	1991-1995
10430	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	1997	65	Storage	1996-2000
10435	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE	40000	5.5	False	2004	80	Storage	2001-2005
10459	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	38000	False	False	2009	50	Storage	2005-2011
10462	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE		4.5	False	2007	50	Storage	2005-2011
10466	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE	34000	False	False	2003	40	Storage	2001-2005
10476	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE		4.5	False	2003	40	Storage	2001-2005
10486	15248	Portland		IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	1991	50	Storage	Unknown
10490	15500	Puget	CNG - Cascade	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	1991-1995	50	Storage	Unknown
10491	18429	Tacoma City	NW Natural	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	1995	45	Storage	1991-1995
10493	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000	False	False	2004	40	Storage	2001-2005
10496	04442	PUD No 1 of	Puget Sound	NWP	1150.879	1	Electric	FALSE	Richmond		False	False	2006	Storage	Unknown	
10510	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	40000	False	False	1980	50	Storage	1976-1980
10514	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	36000	False	False	2006	67	Storage	2005-2011
10516	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE		False	False	2003	50	Storage	Unknown
10518	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000	4.5	False	2000	40	Storage	2001-2005
10525	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	1982	65	Storage	1996-2000
10537	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	Richmond		4.5	False	1982	65	Storage	1981-1985
10540	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	199000	False	Instantaneous	2009	Storage	2005-2011	
10551	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	180000	False	Instantaneous	2006	Storage	2005-2011	
10552	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE	40000	4.5	False	2007	40	Storage	2005-2011
10557	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE		False	False	1993	50	Storage	1991-1995
10561	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE	40000	4.5	False	1997	50	Storage	1996-2000
10565	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000	False	False	1999	40	Storage	Unknown
10565	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000	False	False	1999	40	Storage	1996-2000
10567	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE		3.38	False	2007	80	Storage	2005-2011
10579	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	34000	False	False	1998	40	Storage	1996-2000
10580	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000	False	False	2011	50	Storage	2005-2011
10585	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	1999	66	Storage	1996-2000
10595	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	Kenmore	40000	False	False	1996	40	Storage	1996-2000
10605	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000	False	False	2006	40	Storage	2005-2011
10612	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	1983	120	Storage	1981-1985
10627	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	40000	False	False	1997	50	Storage	1996-2000
10629	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	60000	False	False	2000	65	Storage	1996-2000
10630	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		3.8	False	1989	50	Storage	1986-1990
10636	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	38000	False	False	2009	80	Storage	Unknown
10637	06022	Eugene City	NW Natural	NWP	1188.027	1	Electric	TRUE	Other		4.5	False	2004	50	Storage	2005-2011
10638	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
10649	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	32000	False	False	1987	50	Storage	1986-1990
10657	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000	False	False	2004	50	Storage	2001-2005
10658	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	40000	False	False	2001	40	Storage	2001-2005
10661	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000	False	False	2003	50	Storage	2001-2005
10664	14354	PacificCorp	NW Natural	IOU	8264.945	1	Gas	FALSE	FALSE	40000	False	False	2011	50	Storage	2005-2011
10681	17470	Snohomish	NW Natural	NWP	2003.716	1	Electric	FALSE	FALSE		4	False	1998	80	Storage	1996-2000
10688	04442	PUD No 1 of	Puget Sound	NWP	1150.879	1	Electric	FALSE	Other		False	False	2007	25	Storage	Unknown
10690	04442	PUD No 1 of	CNG - Cascade	NWP	1150.879	1	Electric	FALSE	FALSE		5.5	False	2007	80	Storage	2005-2011
10695	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	32000	False	False	2002	40	Storage	2001-2005
10696	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
10697	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
10699	15248	Portland	Puget Sound	IOU	6932.738	1	Electric	FALSE	FALSE		3	False	1978	40	Storage	1976-1980
10701	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000	False	False	2003	40	Storage	2001-2005
10705	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	1990	50	Storage	1986-1990
10709	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		5.5	False	2011	50	Storage	2005-2011
10710	15248	Portland	Puget Sound	IOU	6932.738	1	Electric	FALSE	FALSE	60000	False	False	1996	50	Storage	Unknown
10713	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE		False	False	1996	50	Storage	1996-2000
10715	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	1996	52	Storage	1996-2000

sireid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt.	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacitylb	WHCapacitykW	WHHeatPump	WHManYear	WHTankSize	WaterheatType	Vintage
10728	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
10728	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2006	62	Storage	2005-2011
10733	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	38000		False	2008	50	Storage	2005-2011
10738	06022	Eugene City	NW Natural	NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
10741	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2008	40	Storage	2005-2011
10752	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	30000		False	2010	50	Storage	2005-2011
10764	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE	40000		False	2007	40	Storage	2005-2011
10786	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	2010	40	Storage	2005-2011
10795	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	40000		False	2010	50	Storage	2005-2011
10801	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE	35000		False	2004	50	Storage	2001-2005
10807	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	199000		False	1998	40	Storage	1996-2000
10809	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	Bosch			False	2008	Instantaneous	2005-2011	
10811	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE	38000		False	1999	50	Storage	1996-2000
10822	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE		3.375	False	2009	50	Storage	2005-2011
10823	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	1997	50	Storage	1996-2000
10840	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	1993	50	Storage	1991-1995
10843	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	2005	50	Storage	2001-2005
10848	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000		False	2000	50	Storage	1996-2000
10852	06022	Eugene City	Puget Sound	NWP	1188.027	1	Electric	FALSE	Richmond		4.5	False	2005	50	Storage	2001-2005
10866	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	2000	40	Storage	1996-2000
10887	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
10895	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000		False	1999	80	Storage	1996-2000
10911	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
10915	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2007	50	Storage	2005-2011
10927	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	1994	50	Storage	1991-1995
10946	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
10946	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
10948	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE		3.8	False	1988	52	Storage	1986-1990
10951	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	1993	50	Storage	1991-1995
10965	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
10978	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
10986	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE		5.5	False	2005	50	Storage	2001-2005
10990	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	35000		False	2002	40	Storage	2001-2005
10995	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2000	50	Storage	1996-2000
11003	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE		4	False	2008	40	Storage	2005-2011
11006	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000		False	2009	50	Storage	2005-2011
11014	06022	Eugene City	Puget Sound	NWP	1188.027	1	Electric	FALSE	AO Smith		4.5	False	2009	50	Storage	Unknown
11014	06022	Eugene City	Puget Sound	NWP	1188.027	1	Electric	FALSE	AO Smith		4	False	2009	40	Storage	Unknown
11021	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
11030	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4	False	1996	52	Storage	1996-2000
11035	04442	PUD No 1 of	Puget Sound	NWP	1150.879	1	Electric	FALSE	FALSE		5.5	False	2006	88	Storage	2005-2011
11041	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
11048	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		5	False	2006	50	Storage	2005-2011
11051	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	33000		False	1983	40	Storage	1981-1985
11054	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	76000		False	2009	75	Storage	2005-2011
11055	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	76000		False	2002	75	Storage	2001-2005
11061	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	76000		False	2005	75	Storage	2001-2005
11084	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005
11086	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4	False	1999	65	Storage	1996-2000
11089	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	2010	50	Storage	2005-2011
11094	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		6	False	1997	80	Storage	1996-2000
11110	06022	Eugene City	NW Natural	NWP	1188.027	1	Gas	FALSE	FALSE	35000		False	1994	40	Storage	1991-1995
11118	04442	PUD No 1 of	Puget Sound	NWP	1150.879	1	Electric	FALSE	AO Smith		4	False	2006	50	Storage	2005-2011
11119	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	2008	50	Storage	2005-2011
11138	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	Richmond		4	False	2004	65	Storage	2001-2005
11145	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2000	50	Storage	1996-2000
11154	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	40000		False	2009	50	Storage	2005-2011
11163	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2002	40	Storage	2001-2005
11178	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	35000		False	2002	62	Storage	2001-2005
11187	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	1968	40	Storage	1966-1970
11194	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
11210	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		3.3	False	2006	50	Storage	2005-2011
11217	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		5.5	False	2010	80	Storage	2005-2011
11219	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	1997	50	Storage	1996-2000

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt.	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityBt	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage
11221	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE		3.3	False	1995	50	Storage	1991-1995
11222	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2008	50	Storage	2005-2011
11233	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2005	40	Storage	2001-2005
11236	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
11246	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
11273	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	60000		False	1993	50	Storage	1991-1995
11282	15248	Portland		IOU	6932.738	1	Electric	FALSE	FALSE		5.5	False	1977	82	Storage	1976-1980
11283	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE	40000		False	2008	50	Storage	2005-2011
11283	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
11284	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	1995		Instantaneous	1991-1995
11289	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
11302	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000		False	2000	50	Storage	1996-2000
11315	06022	Eugene City	NW Natural	NWP	1188.027	1	Gas	FALSE	FALSE	40000		False	1996	50	Storage	1996-2000
11317	15248	Portland	NW Natural	IOU	6932.738	1	Electric	TRUE	FALSE		3	False	1990	82	Storage	1986-1990
11317	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	Other	65000		False		50	Storage	Unknown
11323	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2001	50	Storage	2001-2005
11327	17470	Snohomish	CNG - Cascade	NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
11332	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		5.5	False	2011	50	Storage	2005-2011
11339	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
11341	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005
11342	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2000	50	Storage	1996-2000
11346	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	1999	50	Storage	1996-2000
11347	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
11349	15500	Puget		IOU	4956.493	1	Propane	FALSE	FALSE	36000		False	2005	50	Storage	2001-2005
11352	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	1993	50	Storage	1991-1995
11375	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000		False	2006	50	Storage	2005-2011
11377	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	1999	40	Storage	1996-2000
11409	06022	Eugene City	NW Natural	NWP	1188.027	1	Gas	FALSE	FALSE	40000		False	2008	40	Storage	2005-2011
11411	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	33800		False	2009	50	Storage	2005-2011
11414	15500	Puget		IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2007	50	Storage	2005-2011
11416	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	1999	50	Storage	1996-2000
11417	15500	Puget	CNG - Cascade	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	1984	52	Storage	1981-1985
11418	15248	Portland		IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
11420	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
11437	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
11439	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	40000		False	1999	50	Storage	1996-2000
11452	15248	Portland		IOU	6932.738	1	Electric	FALSE	FALSE		4	False	1993	65	Storage	1991-1995
11467	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	76500		False	2005	74	Storage	2001-2005
11472	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	Other	199000		False	2005		Instantaneous	2001-2005
11475	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	30000		False		40	Storage	Unknown
11476	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	60000		False	2010	80	Storage	2005-2011
11478	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE		4	False	1998	40	Storage	1996-2000
11494	16868	Seattle City		NWP	1524.762	1	Gas	FALSE	FALSE	40000		False	2003	50	Storage	2001-2005
11496	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE		4.5	False	2011	50	Storage	2005-2011
11499	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2007	47	Storage	2005-2011
11503	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
11504	15248	Portland		IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
11516	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	1987	50	Storage	1986-1990
11520	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	1999	50	Storage	1996-2000
11531	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
11533	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	Other	180000		False	2010	80	Storage	2005-2011
11535	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE		4.5	False	1991	40	Storage	1991-1995
11536	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2000	40	Storage	1996-2000
11539	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	1998	50	Storage	1996-2000
11544	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	1994	50	Storage	1991-1995
11549	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	Rheem		4	False	1990	40	Storage	1986-1990
11552	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	45000		False	1990	40	Storage	1986-1990
11555	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		5.5	False	2011	50	Storage	2005-2011
11574	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2007	40	Storage	2005-2011
11585	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	35000		False	2001	50	Storage	2001-2005
11602	04442	PUD No 1 of		NWP	1150.879	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
11633	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2002	50	Storage	2001-2005
11633	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2005	50	Storage	2001-2005
11636	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2009	40	Storage	2005-2011

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityBt	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage
11639	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
11653	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		5.5	False	2004	55	Storage	2001-2005
11670	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	Kenmore	42000	False	False	2004	50	Storage	2001-2005
11675	15248	Portland	NW Natural	IOU	1524.762	1	Electric	FALSE	FALSE		4.5	False	2005	38	Storage	2001-2005
11677	16868	Seattle City		NWP	6932.738	1	Electric	FALSE	FALSE		4.5	False	1990	60	Storage	1986-1990
11679	15248	Portland	NW Natural	IOU	1524.762	1	Electric	FALSE	FALSE		3.8	False	2006	55	Storage	2005-2011
11684	17470	Snohomish		NWP	6932.738	1	Gas	FALSE	FALSE	40000	False	False	2002	50	Storage	2001-2005
11702	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2011	50	Storage	2005-2011
11705	18429	Tacoma City	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE	180000	False	Instantaneous	2006	40	Storage	2005-2011
11713	17470	Snohomish		NWP	1464.694	1	Gas	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
11717	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
11729	16868	Seattle City	Puget Sound	NWP	6932.738	1	Gas	FALSE	FALSE	40000	False	False	1998	50	Storage	1996-2000
11729	15248	Portland	NW Natural	IOU	1524.762	1	Gas	FALSE	FALSE	40000	False	False	1999	50	Storage	1996-2000
11732	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2007	50	Storage	2005-2011
11734	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
11739	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		4	False	1995	50	Storage	1991-1995
11749	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE		3.8	False	2005	50	Storage	2001-2005
11752	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4	False	1999	50	Storage	1996-2000
11753	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	75000	False	False	1999	75	Storage	1996-2000
11762	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
11766	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000	False	False	2007	50	Storage	2005-2011
11769	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	45000	False	False	2004	50	Storage	2001-2005
11772	18429	Tacoma City		NWP	1464.694	1	Gas	FALSE	FALSE		False	False				Unknown
11774	15248	Portland	NW Natural	IOU	6932.738	1	Electric	TRUE			False	82	1985	Storage	1981-1985	
11774	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE		False	50	1995	Storage	1991-1995	
11775	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
11779	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	1998	50	Storage	1996-2000
11780	04442	PUD No 1 of	CNG - Cascade	NWP	1150.879	1	Electric	FALSE	FALSE		4.5	False	1995	50	Storage	1991-1995
11788	15500	Puget		IOU	4956.493	1	Gas	FALSE	FALSE	37000	False	False	2006	50	Storage	2005-2011
11794	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2003	40	Storage	2001-2005
11802	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	Unknown
11808	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
11815	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	40000	False	False	2006	40	Storage	2005-2011
11825	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
11835	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2004	65	Storage	1991-1995
11836	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	1995	50	Storage	2001-2005
11842	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE	FALSE	34000	False	False	2007	40	Storage	2005-2011
11844	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	39999	False	False	2002	50	Storage	2001-2005
11860	17470	Snohomish		NWP	2003.716	1	Propane	FALSE	American	130000	False	False	2005	50	Storage	2001-2005
11871	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		3.8	False	2001	50	Storage	2001-2005
11872	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	1980	50	Storage	1976-1980
11873	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	Rheem	38000	False	False	2005	50	Storage	2001-2005
11880	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2002	50	Storage	2001-2005
11894	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000	False	False	2005	40	Storage	2001-2005
11896	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000	False	False	2007	40	Storage	2005-2011
11900	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000	False	False	2004	50	Storage	2001-2005
11904	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
11908	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000	False	False	2006	50	Storage	2005-2011
11910	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2000	50	Storage	1996-2000
11914	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	65000	False	False	1994	65	Storage	1991-1995
11925	15500	Puget		IOU	4956.493	1	Propane	FALSE	FALSE	38000	False	False	2004	50	Storage	2001-2005
11933	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000	False	False	2009	50	Storage	2005-2011
11943	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	36000	False	False	1991	50	Storage	1991-1995
11953	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000	False	False	2003	50	Storage	2001-2005
11954	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		5.5	False	2004	50	Storage	2001-2005
11958	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	40000	False	False	2006	50	Storage	2005-2011
11967	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	40000	False	False	2005	40	Storage	2001-2005
11971	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000	False	False	2007	50	Storage	2005-2011
11978	06022	Eugene City	NW Natural	NWP	1188.027	1	Gas	FALSE	FALSE	38000	False	False	2005	40	Storage	2001-2005
11980	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
11988	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	1982	50	Storage	1981-1985
11992	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000	False	False	1999	40	Storage	1996-2000
11993	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	Other		4	False		52	Storage	Unknown

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt.	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacitylb	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheatType	Vintage
12016	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	General		5.5	False	1991	50	Storage	1991-1995
12018	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	AO Smith	40000	False	False	2000	50	Storage	1996-2000
12022	16868	Seattle City		NWP	1524.762	1	Electric	FALSE			4.5	False	2010	50	Storage	2005-2011
12029	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE		40000	False	False	2007	50	Storage	2005-2011
12033	06022	Eugene City		NWP	1188.027	1	Electric	FALSE			4.5	False	2009	50	Storage	2005-2011
12035	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE		40000	False	False	2003	50	Storage	2001-2005
12039	15500	Puget		IOU	4956.493	1	Electric	FALSE		40000	4.5	False	2010	50	Storage	2005-2011
12049	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE			False	False	1991	50	Storage	1991-1995
12054	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE		36000	False	False	2001	60	Storage	Unknown
12060	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE			4.5	False	1990	50	Storage	2001-2005
12062	15248	Portland		IOU	6932.738	1	Electric	FALSE			4.5	False	1990	52	Storage	1986-1990
12063	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE			False	False		5	Storage	Unknown
12064	16868	Seattle City	Puget Sound	NWP	1464.694	1	Electric	FALSE		35000	4.5	False	1988	50	Storage	1986-1990
12086	18429	Tacoma City	Puget Sound	NWP	1524.762	1	Gas	FALSE		38000	False	False	2003	50	Storage	2001-2005
12092	15500	Puget		IOU	4956.493	1	Electric	FALSE			False	False	2009	50	Storage	2005-2011
12101	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE		40000	3.8	False	2003	50	Storage	2001-2005
12103	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE		34000	False	False	2006	40	Storage	2005-2011
12105	06022	Eugene City	NW Natural	NWP	1188.027	1	Oil/Kerosene	FALSE		70000	False	False	2007	75	Storage	2005-2011
12107	15500	Puget		IOU	4956.493	1	Electric	FALSE			4.5	False	1995	50	Storage	1991-1995
12108	16868	Seattle City		NWP	1524.762	1	Electric	FALSE		40000	4.5	False	1992	50	Storage	1991-1995
12111	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE			False	False	2004	40	Storage	2001-2005
12114	17470	Snohomish		NWP	2003.716	1	Propane	FALSE		40000	False	False	2007	40	Storage	2005-2011
12131	15500	Puget		IOU	4956.493	1	Electric	FALSE			4.5	False	2000	65	Storage	1996-2000
12142	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE			4	False	1994	50	Storage	1991-1995
12144	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE		40000	False	False	2004	40	Storage	2001-2005
12145	16868	Seattle City		NWP	1524.762	1	Electric	FALSE			4	False	1995	50	Storage	1991-1995
12146	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE			4.5	False	2003	50	Storage	2001-2005
12146	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE			4.5	False	2003	50	Storage	2001-2005
12148	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE		34000	False	False	1989	40	Storage	1986-1990
12153	16868	Seattle City		NWP	1524.762	1	Electric	FALSE			4.5	False	1993	50	Storage	1991-1995
12163	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE			4	False	1998	50	Storage	1996-2000
12169	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE		40000	False	False	1999	50	Storage	1996-2000
12176	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE		45000	False	False	2001	50	Storage	2001-2005
12183	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE		34000	False	False	2000	40	Storage	1996-2000
12186	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE		40000	False	False	2010	50	Storage	2005-2011
12190	15500	Puget		IOU	4956.493	1	Electric	FALSE			4.5	False	2008	50	Storage	2005-2011
12197	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE			4.5	False	2004	50	Storage	2001-2005
12199	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE			4.5	False	2009	40	Storage	2005-2011
12203	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE		40000	False	False	2003	50	Storage	2001-2005
12207	15500	Puget		IOU	4956.493	1	Electric	FALSE			4.5	False	1999	65	Storage	1996-2000
12213	18429	Tacoma City	CNG - Cascade	NWP	1464.694	1	Electric	FALSE			4.5	False	2006	50	Storage	2005-2011
12214	15500	Puget		IOU	4956.493	1	Electric	FALSE			4.5	False	2003	40	Storage	2001-2005
12215	17470	Snohomish		NWP	2003.716	1	Electric	FALSE			4.5	False	2003	40	Storage	2001-2005
12226	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE		75000	False	False	1997	75	Storage	1996-2000
12229	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE		36000	False	False	2002	50	Storage	2001-2005
12230	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE		40000	False	False	1999	50	Storage	1996-2000
12232	06022	Eugene City		NWP	1188.027	1	Electric	FALSE			3.5	False	1998	50	Storage	1996-2000
12237	06022	Eugene City		NWP	1188.027	1	Electric	FALSE			4.5	False	1998	40	Storage	Unknown
12242	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE		40000	False	False	1994	40	Storage	1991-1995
12247	17470	Snohomish		NWP	2003.716	1	Electric	FALSE			False	False		Storage	Unknown	
12255	06022	Eugene City		NWP	1188.027	1	Electric	FALSE			4.5	False	2009	40	Storage	2005-2011
12263	16868	Seattle City		NWP	1524.762	1	Electric	FALSE			5.5	False	1998	50	Storage	1996-2000
12264	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE		36000	False	False	2001	50	Storage	2001-2005
12266	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE		34000	False	False	2004	40	Storage	2001-2005
12270	04442	PUD No.1 of		NWP	1150.879	1	Electric	FALSE	Rheem		4.5	False	1998	50	Storage	1996-2000
12271	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	General	36000	False	False	2007	50	Storage	2005-2011
12274	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE		40000	False	False	2009	40	Storage	2005-2011
12278	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE		40000	False	False	2006	40	Storage	2005-2011
12295	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE			False	False	2000	50	Storage	1996-2000
12303	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE		40000	4.5	False	2003	50	Storage	2001-2005
12305	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE		40000	False	False	2008	40	Storage	2005-2011
12307	16868	Seattle City		NWP	1524.762	1	Electric	FALSE			4.5	False	1991	50	Storage	1991-1995
12307	16868	Seattle City		NWP	1524.762	1	Electric	FALSE			4.5	False	1997	66	Storage	1996-2000

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt.	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacitylb	WHCapacitykW	WHHeatPump	WHManYear	WHTankSize	WaterheatType	Vintage
12315	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2007	65	Storage	2005-2011
12320	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000	False	False	2006	50	Storage	2005-2011
12321	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	1995	40	Storage	1991-1995
12339	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	38000	False	False	2001	40	Storage	2001-2005
12341	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	36000	False	False	2004	50	Storage	2001-2005
12348	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE	40000	4.5	False	2009	50	Storage	2005-2011
12358	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE		4	False	1995	52	Storage	Unknown
12370	15248	Portland		IOU	6932.738	2	Electric	FALSE	FALSE		3.8	False	2001	50	Storage	1991-1995
12372	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE	40000	4.5	False	2006	50	Storage	2005-2011
12376	06022	Eugene City	NW Natural	NWP	1188.027	1	Gas	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
12377	15248	Portland		IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
12398	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2007	40	Storage	2005-2011
12407	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
12407	04442	PUD No 1 of		NWP	1150.879	1	Electric	FALSE	FALSE	40000	4.5	False	2004	50	Storage	2001-2005
12408	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
12414	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE	38000	4.5	False	2009	50	Storage	2005-2011
12427	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	199000	False	False	2011	Instantaneous	2005-2011	2005-2011
12434	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE		4.5	False	1999	40	Storage	1996-2000
12456	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2002	50	Storage	2001-2005
12458	06022	Eugene City	NW Natural	NWP	1188.027	1	Electric	FALSE	FALSE		3.8	False	1989	66	Storage	1986-1990
12460	04442	PUD No 1 of		NWP	1150.879	1	Electric	FALSE	FALSE		4.5	False	1992	50	Storage	1991-1995
12478	04442	PUD No 1 of		NWP	1150.879	1	Electric	FALSE	FALSE		4.5	False	2007	50	Storage	2005-2011
12482	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE	75000	4.5	False	2000	55	Storage	1996-2000
12483	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE	40000	False	False	2003	75	Storage	2001-2005
12488	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE		4.5	False	2007	50	Storage	2005-2011
12489	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE	FALSE		4.5	False	1997	50	Storage	1996-2000
12496	04442	PUD No 1 of		NWP	1150.879	1	Electric	FALSE	AO Smith	75000	4.5	False	2006	38	Storage	2005-2011
12499	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE		4.5	False	2006	75	Storage	2005-2011
12504	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		3.8	False	1999	50	Storage	1996-2000
12505	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE	40000	4.5	False	2006	50	Storage	2005-2011
12507	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE	40000	4.5	False	2003	50	Storage	2001-2005
12510	17470	Snohomish		NWP	2003.716	1	Propane	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
12514	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
12524	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000	4.5	False	1996	50	Storage	1996-2000
12556	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		1.73	False	2008	Instantaneous	2005-2011	Unknown
12561	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		5.5	False	2002	50	Storage	2001-2005
12564	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
12569	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	1996	50	Storage	1996-2000
12572	15248	Portland		IOU	6932.738	1	Electric	FALSE	FALSE	180000	4.5	False	2010	Instantaneous	2005-2011	Unknown
12582	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		3.8	False	2002	52	Storage	2001-2005
12600	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE		5.5	False	2002	50	Storage	2001-2005
12614	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
12620	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	1999	50	Storage	1996-2000
12621	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
12630	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
12640	04442	PUD No 1 of		NWP	1150.879	1	Electric	FALSE	FALSE		4.5	False	2000	40	Storage	1996-2000
12643	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	32000	4.5	False	2004	50	Storage	2001-2005
12648	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE	190000	3.5	False	2009	55	Storage	2005-2011
12656	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE	40000	False	False	2006	Instantaneous	2005-2011	Unknown
12657	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		4	False	1993	65	Storage	1991-1995
12661	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
12669	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
12670	16868	Seattle City		NWP	1524.762	1	Electric	TRUE	FALSE		4.5	False	2000	40	Storage	1996-2000
12675	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2000	40	Storage	1996-2000
12678	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	32000	4.5	False	2004	50	Storage	2001-2005
12679	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		3.5	False	2009	55	Storage	2005-2011
12690	15500	Puget		IOU	4956.493	1	Gas	FALSE	FALSE	190000	False	False	2006	Instantaneous	2005-2011	Unknown
12693	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000	False	False	1993	65	Storage	1991-1995
12724	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4	False	2003	50	Storage	2001-2005
12730	04442	PUD No 1 of		NWP	1150.879	1	Electric	TRUE	FALSE		4.5	False	2010	40	Storage	2005-2011
12737	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	38000	4.5	False	2000	52	Storage	1996-2000
12738	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2001	Instantaneous	2001-2005	2001-2005
12739	06022	Eugene City	NW Natural	NWP	1188.027	1	Gas	FALSE	FALSE	180000	False	False	2005	50	Storage	2001-2005
12743	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005

siteld	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityB	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage
12745	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2003	66	Storage	2001-2005
12753	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	180000		False	2008		Instantaneous	2005-2011
12755	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2009	50	Storage	2005-2011
12759	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		5.5	False	2005	50	Storage	2001-2005
12771	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2003	65	Storage	2001-2005
12773	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2006	40	Storage	2005-2011
12777	06022	Eugene City	NW Natural	NWP	1188.027	1	Gas	FALSE	FALSE	38000		False	2007	50	Storage	2005-2011
12782	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		4	False	1996	50	Storage	1996-2000
12814	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000		False	2000	40	Storage	1996-2000
12818	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000		False	2007	50	Storage	2005-2011
12825	16868	Seattle City		NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
12833	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	1999	48	Storage	1996-2000
12845	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	38000		False	2003	40	Storage	2001-2005
12853	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
12856	15500	Puget		IOU	4956.493	1	Electric	FALSE	Montgom			False		40	Storage	Unknown
12889	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2005	50	Storage	2001-2005
12895	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	TRUE	TRUE	40000		False	2007	40	Storage	2005-2011
12897	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	TRUE	TRUE	38000		False	2005	50	Storage	2001-2005
12898	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2001	50	Storage	2001-2005
12902	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000		False	2005	50	Storage	2001-2005
12906	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	1995	50	Storage	1991-1995
12908	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	38000		False	2000	40	Storage	1996-2000
12939	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
12944	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
12955	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	Bradford	65000		False	2007	48	Storage	2005-2011
12956	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	1992	50	Storage	1991-1995
12975	15248	Portland		IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	2008	40	Storage	2005-2011
12977	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	1990	65	Storage	1986-1990
12992	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2007	50	Storage	2005-2011
12994	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	40000		False	1999	50	Storage	1996-2000
13004	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	40000		False	1987	50	Storage	1986-1990
13011	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	Richmond		4.5	False	2004	80	Storage	2001-2005
13017	17470	Snohomish	CNG - Cascade	NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
13019	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	40000		False	2008	50	Storage	2005-2011
13023	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		5.5	False	2007	50	Storage	2005-2011
13041	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		3.4	False	2003	40	Storage	2001-2005
13041	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4	False	2006	50	Storage	2005-2011
13046	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005
13051	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
13055	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2009	50	Storage	2005-2011
13094	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	30000		False	2009	50	Storage	2005-2011
13113	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	40000		False	2009	50	Storage	2005-2011
13127	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2003	50	Storage	2001-2005
13129	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2009	50	Storage	2005-2011
13131	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
13141	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2008	66	Storage	2005-2011
13154	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2008	40	Storage	2005-2011
13165	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4	False	1999	65	Storage	1996-2000
13166	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	38000		False	2010	50	Storage	2005-2011
13169	04442	PUD No 1 of		NWP	1150.879	1	Electric	FALSE	General		5	False	2007	80	Storage	2005-2011
13188	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2011	50	Storage	2005-2011
13191	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4	False	1992	50	Storage	1991-1995
13222	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	2005	50	Storage	2001-2005
13232	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005
13243	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	180000		False	2004	Instantaneous	2001-2005	
13246	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005
13248	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE		4.5	False	2008	65	Storage	2005-2011
13250	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	1990	50	Storage	1986-1990
13261	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE		5.5	False	2005	50	Storage	2005-2011
13265	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE	40000		False	2008	50	Storage	2001-2005
13273	15500	Puget	CNG - Cascade	IOU	4956.493	1	Electric	FALSE	FALSE		3.5	False	2008	38	Storage	2005-2011
13275	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	2000	50	Storage	1996-2000
13292	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	2007	40	Storage	2005-2011
13293	06022	Eugene City	NW Natural	NWP	1188.027	1	Gas	FALSE	FALSE	40000		False	2001	50	Storage	2001-2005

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityBt	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage	
13303	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2002	65	Storage	2001-2005	
13310	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2005	40	Storage	2001-2005	
13315	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		3.38	False	1997	50	Storage	1996-2000	
13319	04442	PUD No.1 of		NWP	1150.879	1	Electric	FALSE	American		3.4	False	1995	50	Storage	1991-1995	
13323	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005	
13327	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	40000		False	1984	40	Storage	1981-1985	
13328	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005	
13336	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	34000		False	1993	40	Storage	1991-1995	
13347	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE		4	False		50	Storage	Unknown	
13359	04442	PUD No.1 of		NWP	1150.879	1	Electric	FALSE	FALSE	32000		4.5	False	2004	40	Storage	2001-2005
13365	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE	FALSE	36000		False	1994	50	Storage	1991-1995	
13400	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	180000		False	1989	50	Storage	1986-1990	
13401	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE	FALSE		3.8	False	2009	Instantaneous		2005-2011	
13420	06022	Eugene City	NW Natural	NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	1990	52	Storage	1986-1990	
13427	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	1999	60	Storage	1996-2000	
13435	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE			False	2011	50	Storage	2005-2011	
13445	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2002	55	Storage	2001-2005	
13451	04442	PUD No.1 of		NWP	1150.879	1	Electric	FALSE	Kenmore		4.5	False	1987	52	Storage	1986-1990	
13453	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE	FALSE	35000		False	2006	40	Storage	2005-2011	
13455	17470	Snohomish	Puget Sound	NWP	2003.716	1	Electric	FALSE	FALSE		5.5	False	2002	50	Storage	2001-2005	
13462	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		3.8	False	1997	50	Storage	1996-2000	
13474	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000		False	2011	50	Storage	2005-2011	
13490	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	1990	65	Storage	1986-1990	
13494	17470	Snohomish	CNG - Cascade	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	1994	50	Storage	1991-1995	
13495	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		5.5	False	1999	82	Storage	1996-2000	
13505	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	40000		False	2008	50	Storage	2001-2005	
13507	15500	Puget	Puget Sound	IOU	4956.493	1	Electric	FALSE	FALSE		3.375	False	2008	40	Storage	2005-2011	
13514	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2008	40	Storage	2005-2011	
13524	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2008	50	Storage	2005-2011	
13621	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2000	50	Storage	1996-2000	
13643	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4	False	1995	50	Storage	1991-1995	
13643	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4	False	2000	40	Storage	1996-2000	
13655	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005	
13656	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False		50	Storage	Unknown	
13672	06022	Eugene City	Puget Sound	NWP	1188.027	1	Electric	FALSE	Other		4	False		52	Storage	Unknown	
13678	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	2010	40	Storage	2005-2011	
13691	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	76000		False	2007	75	Storage	2005-2011	
13713	04442	PUD No.1 of	CNG - Cascade	NWP	1150.879	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011	
13746	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2002	50	Storage	2001-2005	
13752	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011	
13756	06022	Eugene City	NW Natural	NWP	1188.027	1	Gas	FALSE	FALSE	40000		False	1998	50	Storage	1996-2000	
13785	04442	PUD No.1 of		NWP	1150.879	1	Electric	FALSE	FALSE		5.5	False	2000	66	Storage	1996-2000	
13803	17470	Snohomish	NW Natural	NWP	2003.716	1	Electric	FALSE	FALSE	40000		False	1997	65	Storage	1996-2000	
13817	06022	Eugene City	NW Natural	NWP	1188.027	1	Gas	FALSE	FALSE	40000		False	1993	50	Storage	1991-1995	
13829	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	40000		False	2002	40	Storage	2001-2005	
13863	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011	
13867	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	40000		False	2011	50	Storage	2005-2011	
13871	04442	PUD No.1 of		NWP	1150.879	1	Electric	FALSE	Other			False	2011	Instantaneous		2005-2011	
13880	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2003	50	Storage	2001-2005	
13895	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005	
13898	06022	Eugene City	NW Natural	NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2006	80	Storage	2005-2011	
13903	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011	
13912	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005	
13948	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000		False	2001	50	Storage	2001-2005	
13956	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE			False	1997	50	Storage	Unknown	
13970	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	36000		False	1997	50	Storage	1996-2000	
13974	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	36000		False	2002	50	Storage	2001-2005	
13975	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2002	50	Storage	2001-2005	
14000	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	1998	50	Storage	1996-2000	
14012	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	2005	50	Storage	2001-2005	
14015	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2003	50	Storage	2001-2005	
14017	06022	Eugene City	Puget Sound	NWP	1188.027	1	Electric	TRUE	FALSE		4.5	False	1994	50	Storage	1991-1995	
14037	16868	Seattle City	Puget Sound	NWP	1524.762	1	Gas	FALSE	FALSE	40000		False	1999	50	Storage	1996-2000	

sited	utility_id	Electric Utility	Gas Utility	Utility/Type	sw. wt.	D/Waterheat	WHFuel	SolarWaterheating	WHBrand	HCapacitylb	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheatType	Vintage
14046	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	1994	50	Storage	1991-1995
14051	06022	Eugene City	NW Natural	NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2001	65	Storage	2001-2005
14051	06022	Eugene City	NW Natural	NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2002	47	Storage	2001-2005
14052	06022	Eugene City	NW Natural	NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
14073	17470	Snohomish	Puget Sound	NWP	2003.716	1	Gas	FALSE	FALSE	40000		False	2005	50	Storage	2001-2005
14078	04442	PUD No 1 of		NWP	1150.879	1	Electric	FALSE	Other		5	False	2009	50	Storage	2005-2011
14102	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005
14117	04442	PUD No 1 of		NWP	1150.879	1	Electric	FALSE	FALSE		4.5	False		40	Storage	Unknown
14122	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	1997	50	Storage	1996-2000
14129	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	1999	50	Storage	1996-2000
14140	17470	Snohomish		NWP	2003.716	1	Electric	FALSE	FALSE		5.5	False	2007	80	Storage	2005-2011
14143	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE		4.5	False	2002	50	Storage	2001-2005
14150	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	1992	52	Storage	1991-1995
14153	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
14162	18429	Tacoma City		NWP	1464.694	1	Electric	FALSE	FALSE	40000		False	1992	65	Storage	Unknown
14174	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE		4	False	2008	50	Storage	1991-1995
14181	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE	40000		False	1986	50	Storage	1986-1990
14210	18429	Tacoma City	Puget Sound	NWP	1464.694	1	Gas	FALSE	FALSE	40000		False	1997	50	Storage	1996-2000
14211	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		3.8	False	1994	65	Storage	1991-1995
14222	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4	False	1999	40	Storage	1996-2000
14264	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	36000		False	2007	40	Storage	2005-2011
14273	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	35500		False	2005	50	Storage	2001-2005
14277	15500	Puget	Puget Sound	IOU	4956.493	1	Gas	FALSE	FALSE	65000		False	2007	50	Storage	2005-2011
14284	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2001	50	Storage	2005-2011
14285	16868	Seattle City	Puget Sound	NWP	1524.762	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
14300	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
14329	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
14331	15248	Portland		IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	1994	40	Storage	1991-1995
14423	15500	Puget	CNG - Cascade	IOU	4956.493	1	Gas	FALSE	FALSE	34000		False	2004	50	Storage	2001-2005
14457	04442	PUD No 1 of		NWP	1150.879	1	Electric	FALSE	FALSE		4.5	False	2000	80	Storage	1996-2000
14508	15500	Puget		IOU	4956.493	1	Electric	FALSE	FALSE		5.5	False	1992	50	Storage	1991-1995
14542	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
14542	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE		4.5	False	2011	50	Storage	2005-2011
14545	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE	40000		False	2006	50	Storage	2005-2011
14560	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE		4.5	False	2010	40	Storage	2005-2011
14577	15248	Portland	NW Natural	IOU	6932.738	1	Electric	FALSE	FALSE		4.5	False	1984	52	Storage	1981-1985
14646	06022	Eugene City		NWP	1188.027	1	Electric	FALSE	FALSE		3	False	Unknown	52	Storage	Unknown
14674	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE		4.5	False	1998	50	Storage	1996-2000
20007	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
20016	20169	Avista Corp		IOU	12271.31	1	Electric	FALSE	FALSE	40000		False	1993	50	Storage	1991-1995
20020	14653	PUD No 1 of		NWP	1904.288	2	Electric	FALSE	FALSE		4.5	False	2007	72	Storage	2005-2011
20028	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	40000		False	1999	50	Storage	1996-2000
20034	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	Richmond		4.5	False	2007	50	Storage	2005-2011
20038	26916	Ravalli		NWP	1144.679	1	Electric	FALSE	FALSE	45000		False	1964	20	Storage	Before 1966
20042	12825	NorthWeste		IOU	2130.886	1	Gas	FALSE	FALSE		2.5	False	2008	50	Storage	2005-2011
20043	08699	Inland		NWP	1904.288	1	Electric	FALSE	FALSE		3.3	False	2007	50	Storage	2005-2011
20051	06395	Flathead		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
20058	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	General		4.5	False	2006	66	Storage	2005-2011
20065	09191	Idaho		IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	2000	50	Storage	1996-2000
20066	03644	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4	False	2006	50	Storage	2005-2011
20076	09191	Idaho		IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
20080	14055	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
20081	12825	NorthWeste		IOU	2130.886	1	Electric	FALSE	FALSE		4	False	2006	50	Storage	2005-2011
20085	14170	Orcas		NWP	4360.188	1	Electric	FALSE	FALSE		4.5	False	2000	50	Storage	1996-2000
20088	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
20089	06395	Flathead		NWP	1144.679	1	Gas	FALSE	FALSE	45000		False	2002	50	Storage	2001-2005
20095	04041	Columbia		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	Unknown
20100	12825	NorthWeste		IOU	2130.886	1	Gas	FALSE	FALSE		4.5	False	2004	47	Storage	2001-2005
20106	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	FALSE	40000		False	2006	40	Storage	Unknown
20108	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	32000		False	2006	40	Storage	2005-2011
20109	20385	West		NWP	1612.692	1	Gas	FALSE	FALSE		4.5	False	1991	40	Storage	1991-1995
20111	03644	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2006	40	Storage	2005-2011
20117	12825	NorthWeste		IOU	2130.886	1	Gas	FALSE	FALSE	28000		False	1991	40	Storage	1991-1995
20125	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	40000		False	2006	40	Storage	2005-2011

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityB	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheatType	Vintage
20152	14354	PacifiCorp		IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	2002	50	Storage	2001-2005
20154	09191	Idaho		IOU	3785.764	1	Gas	FALSE	FALSE	36000		False	2005	50	Storage	2001-2005
20155	0907	Avista Energy		NWP	1612.692	1	Gas	FALSE	FALSE	36000		False	2010	40	Storage	2005-2011
20156	03264	Central		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
20163	14324	Public		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2000	52	Storage	1996-2000
20166	03644	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2001	50	Storage	2001-2005
20168	18917	Tillamook		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2002	80	Storage	2001-2005
20180	40437	Emerald		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2008	85	Storage	2005-2011
20182	14354	PacifiCorp	CNG - Cascade	IOU	8599.104	1	Gas	FALSE	FALSE	40000		False	2005	40	Storage	2001-2005
20184	04743	Consumers		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	1989	50	Storage	1986-1990
20185	15979	City of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
20188	03264	Central	NW Natural	NWP	1612.692	1	Gas	FALSE	FALSE	34000		False	1994	40	Storage	1991-1995
20200	03240	Central	CNG - Cascade	NWP	1925.059	1	Gas	FALSE	FALSE	36000		False	2002	40	Storage	2001-2005
20206	0907	City of	Avista Energy	NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
20215	03264	Central		NWP	1612.692	1	Electric	FALSE	FALSE		5.5	False	2005	55	Storage	2001-2005
20230	26916	Ravalli		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	2002	50	Storage	2001-2005
20244	03644	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
20245	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	1997	30	Storage	1996-2000
20250	20169	Avista Corp	Avista Energy	IOU	1227.131	1	Gas	FALSE	FALSE	40000		False	2007	50	Storage	2005-2011
20264	10454	Kootenai	Avista Energy	NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	2009	40	Storage	2005-2011
20264	10454	Kootenai	Avista Energy	NWP	1192.465	1	Gas	FALSE	FALSE	40000		False	2009	40	Storage	2005-2011
20265	04005	Columbia		NWP	1925.059	1	Electric	TRUE	TRUE			False				Unknown
20266	03240	Central		NWP	1925.059	1	Propane	TRUE	TRUE			False	2006	119	Storage	2005-2011
20274	12789	City of	NW Natural	NWP	1612.692	1	Gas	FALSE	FALSE	36000		False	2006	40	Storage	2005-2011
20287	07548	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False			Storage	Unknown
20288	26916	Ravalli		NWP	1144.679	1	Electric	FALSE	FALSE		3.5	False	2011	50	Storage	2005-2011
20290	12692	Missoula		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	1995	54	Storage	1991-1995
20294	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	1999	50	Storage	1996-2000
20294	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	1999	80	Storage	1996-2000
20297	18917	Tillamook		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
20303	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	52800		False			Storage	Unknown
20305	13758	Northern	Avista Energy	NWP	1192.465	1	Gas	FALSE	FALSE	40000		False	2002	50	Storage	2001-2005
20311	12187	McMinnville		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	1998	50	Storage	1996-2000
20324	19325	Umatilla		NWP	1925.059	1	Electric	FALSE	FALSE		4.5	False	1997	50	Storage	1996-2000
20325	03240	Central		NWP	1925.059	1	Electric	FALSE	FALSE		4.5	False	2002	66	Storage	2001-2005
20338	03739	Clearwater		NWP	1192.465	1	Electric	FALSE	FALSE		5.5	False	2006	80	Storage	2005-2011
20340	40437	Emerald	NW Natural	NWP	1612.692	1	Gas	FALSE	FALSE	43000		False			Storage	Unknown
20344	06395	Flathead		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	1998	50	Storage	1996-2000
20351	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	30000		False			Storage	Unknown
20357	10681	Lane		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
20360	12744	Modern	Avista Energy	NWP	1904.288	1	Gas	FALSE	FALSE	40000		False	2008	50	Storage	2005-2011
20363	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE			False			Storage	Unknown
20371	14109	Oregon Trail		NWP	1925.059	2	Electric	FALSE	Montgom			False			Storage	Unknown
20374	14354	PacifiCorp	NW Natural	IOU	8264.945	1	Gas	FALSE	Ruud	34000		False	2004	40	Storage	2001-2005
20381	09187	Idaho Falls	Intermountain	NWP	1192.465	1	Gas	FALSE	FALSE			False	2002	40	Storage	2001-2005
20384	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE			False	2005	40	Storage	2001-2005
20390	14354	PacifiCorp		IOU	8264.945	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
20392	01579	PUD No 1 of	CNG - Cascade	NWP	1904.288	1	Gas	FALSE	Ruud	40000		False	2009	50	Storage	2005-2011
20395	14354	PacifiCorp	NW Natural	IOU	8264.945	1	Gas	FALSE	FALSE	33000		False	1993	40	Storage	1991-1995
20408	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2007	50	Storage	2005-2011
20411	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	40000		False	2002	40	Storage	2001-2005
20414	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	40000		False	2005	40	Storage	2001-2005
20426	14055	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2007	55	Storage	2005-2011
20430	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	40000		False	1999	40	Storage	1996-2000
20433	03264	Central		NWP	1612.692	1	Electric	TRUE	TRUE		4.5	False	2009	65	Storage	2005-2011
20440	03240	Central		NWP	1925.059	1	Electric	FALSE	FALSE		4.5	False	2003	40	Storage	2001-2005
20445	06395	Flathead		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	1997	50	Storage	1996-2000
20446	17839	City of		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2009	38	Storage	2005-2011
20448	03264	Central		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2007	50	Storage	2005-2011
20448	03264	Central		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2011	50	Storage	2005-2011
20457	06582	City of	NW Natural	NWP	1612.692	1	Electric	FALSE	FALSE		True	Instantaneous	2005			2001-2005
20457	06582	City of	NW Natural	NWP	1612.692	1	Gas	FALSE	FALSE	65000		False	2005	65	Storage	2001-2005
20458	09191	Idaho		IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
20466	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	35500		False	2004	50	Storage	2001-2005

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityB	WHCapacityKw	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage	
20469	01625	Benton		NWP	1904.288	2	Electric	FALSE	FALSE		4.5	False	1999	50	Storage	1996-2000	
20472	00907	City of	Avista Energy	NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	1997	50	Storage	1996-2000	
20472	00907	City of	Avista Energy	NWP	1612.692	1	Gas	FALSE	FALSE	40000		False	2002	40	Storage	2001-2005	
20477	14624	PUD No 2 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011	
20485	14354	PacificCorp	Intermountain	IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	1989	50	Storage	1986-1990	
20491	13758	Northern		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	1990	50	Storage	1986-1990	
20505	04743	Consumers		NWP	1612.692	1	Electric	FALSE	FALSE		5.5	False	2002	50	Storage	2001-2005	
20516	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	34000		False	2008	40	Storage	2005-2011	
20540	01579	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	Rund		4.5	False	1998	50	Storage	1996-2000	
20547	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE	40000		4.5	False	2001	40	Storage	2001-2005
20553	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	40000		4.5	False	2004	40	Storage	2001-2005
20559	19502	United		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	1999	50	Storage	1996-2000	
20565	10454	Kootenai	Avista Energy	NWP	1192.465	1	Gas	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005	
20574	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	1999	50	Storage	1996-2000	
20595	09187	Idaho Falls		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011	
20601	12825	NorthWeste	Northwestern	IOU	2130.886	1	Electric	FALSE	FALSE		4.5	False	2007	55	Storage	2005-2011	
20603	10454	Kootenai	Avista Energy	NWP	1192.465	1	Gas	FALSE	FALSE	40000		False	2002	50	Storage	2001-2005	
20606	03264	Central		NWP	1612.692	1	Electric	FALSE	FALSE		4	False	1976	50	Storage	1976-1980	
20606	03264	Central		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2005	55	Storage	2001-2005	
20612	03644	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	1988	50	Storage	1986-1990	
20613	19784	Vera	Avista Energy	NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	1999	50	Storage	1996-2000	
20618	03264	Central		NWP	1612.692	1	Propane	FALSE	FALSE	36000		False	2009	40	Storage	2005-2011	
20619	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4	False	1998	65	Storage	1996-2000	
20626	14055	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	1994	50	Storage	1991-1995	
20632	10454	Kootenai		NWP	1192.465	1	Electric	FALSE	FALSE		4	False	1981	52	Storage	1981-1985	
20635	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	145000		False	2009	Instantaneous	2005-2011		
20646	19784	Vera	Avista Energy	NWP	1904.288	1	Gas	FALSE	FALSE	40000		False	1999	50	Storage	1996-2000	
20650	14109	Oregon Trail	Avista Energy	NWP	1925.059	1	Electric	FALSE	FALSE		4.5	False		40	Storage	Unknown	
20671	14354	PacificCorp		IOU	8264.945	1	Electric	FALSE	FALSE		4.5	False		50	Storage	Unknown	
20685	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	40000		False	2003	50	Storage	2001-2005	
20688	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	American	40000		False	1997	40	Storage	1996-2000	
20702	12825	NorthWeste		IOU	2130.886	1	Gas	FALSE	FALSE	42000		False	2009	50	Storage	2005-2011	
20707	14354	PacificCorp	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	36000		False	2007	50	Storage	2005-2011	
20712	03644	PUD No 1 of		NWP	2079.993	1	Propane	FALSE	FALSE	35000		False	1996	40	Storage	1996-2000	
20716	06395	Flathead		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	1997	50	Storage	1996-2000	
20746	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	40000		False	2006	80	Storage	2005-2011	
20748	13758	Northern		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	2003	40	Storage	2001-2005	
20753	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	40000		False	2005	38	Storage	2001-2005	
20758	14624	PUD No 2 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	1997	50	Storage	1996-2000	
20770	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE	40000		False	1999	50	Storage	1996-2000	
20775	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE		4.5	False	1992	66	Storage	1991-1995	
20777	10944	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	1981	50	Storage	1981-1985	
20778	19603	USBA-Port		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005	
20779	15231	Port		NWP	2079.993	1	Electric	FALSE	Rheem		4.5	False	1992	50	Storage	1991-1995	
20783	06395	Flathead		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005	
20792	09187	Idaho Falls		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	1992	50	Storage	2001-2005	
20807	14354	PacificCorp	CNG - Cascade	IOU	12271.31	1	Electric	FALSE	FALSE		4.5	False	2001	50	Storage	2001-2005	
20808	14354	PacificCorp	Intermountain	IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	1999	50	Storage	1996-2000	
20809	16416	Rupert City		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	1995	50	Storage	1991-1995	
20814	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2007	50	Storage	2005-2011	
20817	03644	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE	40000		False	2009	50	Storage	2005-2011	
20819	10454	Kootenai	Avista Energy	NWP	1192.465	1	Gas	FALSE	FALSE	36000		False	2000	50	Storage	1996-2000	
20825	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011	
20839	19784	Vera	Avista Energy	NWP	1904.288	1	Gas	FALSE	FALSE	35000		False	2008	50	Storage	2005-2011	
20853	04743	Consumers	Avista Energy	NWP	1904.288	1	Gas	FALSE	FALSE	42000		False	2000	50	Storage	1996-2000	
20859	03660	PUD No 1 of		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011	
20861	12825	NorthWeste	Northwestern	IOU	2079.993	1	Electric	FALSE	FALSE		4.5	False	2007	50	Storage	2005-2011	
20863	09191	Idaho		IOU	2130.886	1	Gas	TRUE	FALSE	35000		False	1991	40	Storage	1991-1995	
20878	06716	PUD No 1 of		NWP	8559.104	1	Electric	FALSE	FALSE		5.5	False	2005	50	Storage	2001-2005	
20894	03660	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	1996	50	Storage	1996-2000	
20895	17839	City of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	1995	52	Storage	1991-1995	
20902	12825	NorthWeste	Northwestern	IOU	1612.692	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005	
20905	14354	PacificCorp	Avista Energy	IOU	2130.886	1	Gas	FALSE	FALSE	80000		False	2002	50	Storage	2001-2005	
20905	14354	PacificCorp	Avista Energy	IOU	8264.945	1	Electric	FALSE	FALSE		4.5	False	2008	55	Storage	2005-2011	

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw. wt.	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityB	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage
20920	03644	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		5.5	False	1996	52	Storage	1996-2000
20930	14055	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2001	50	Storage	2001-2005
20936	01579	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	FALSE		3.8	False	2001	50	Storage	2001-2005
20936	01579	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	1996	50	Storage	1996-2000
20941	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	1990	52	Storage	Unknown
20941	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	34000		False	1990	40	Storage	1986-1990
20946	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	40000		False	2005	80	Storage	Unknown
20958	06169	Fall River	Intermountain	NWP	1192.465	1	Electric	FALSE	FALSE		True		2005			2001-2005
20965	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	Whirlpool		5.5	False	2004	50	Storage	2001-2005
20968	20385	West		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
20970	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	32000		False	1996	40	Storage	1996-2000
20974	14354	PacificCorp		IOU	3785.764	1	Electric	FALSE	Rheem		4.5	False	2010	50	Storage	2005-2011
20976	06155	Farmers'		NWP	1192.465	1	Electric	FALSE	FALSE		4	False	1979	52	Storage	1976-1980
20995	12825	NorthWeste	Northwestern	IOU	2130.886	1	Electric	FALSE	FALSE		5.5	False	2007	40	Storage	Unknown
20998	09191	Idaho		IOU	3785.764	1	Electric	FALSE	FALSE		5.5	False	2007	50	Storage	2005-2011
21002	06395	Flathead	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE	40000		False	1994	40	Storage	1991-1995
21003	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	40000		False	2005	50	Storage	2001-2005
21006	10454	Kootenai	Avista Energy	NWP	1192.465	1	Gas	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005
21012	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	50000		False	2006	60	Storage	2005-2011
21016	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	40000		False	2003	50	Storage	2001-2005
21018	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	32000		False	2006	40	Storage	2005-2011
21021	14354	PacificCorp		IOU	8264.945	1	Electric	FALSE	FALSE		5.5	False	2006	50	Storage	2005-2011
21026	14354	PacificCorp		IOU	8264.945	1	Electric	FALSE	FALSE		4.5	False	2001	50	Storage	2001-2005
21038	12744	Modern		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	1986	50	Storage	1986-1990
21045	12825	NorthWeste	Northwestern	IOU	2130.886	1	Electric	FALSE	FALSE		4.5	False	2002	50	Storage	2001-2005
21049	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	32000		False	2002	Storage	Storage	Unknown
21070	01625	Benton		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
21085	20169	Avista Corp		IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	2004	80	Storage	2001-2005
21089	20169	Avista Corp	Avista Energy	IOU	3785.764	1	Gas	FALSE	FALSE	34000		False	1996	40	Storage	1996-2000
21091	14354	PacificCorp	CNG - Cascade	IOU	8559.104	1	Gas	FALSE	FALSE		False		1999	Storage	Storage	1996-2000
21103	15231	Port		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2007	50	Storage	2005-2011
21107	19603	USBIA-		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	1988	50	Storage	1986-1990
21109	19325	Umatilla	CNG - Cascade	NWP	1925.059	1	Electric	FALSE	FALSE		4.5	False	1992	50	Storage	1991-1995
21112	04743	Consumers		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	1997	50	Storage	1996-2000
21122	08699	Inland		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2001	40	Storage	2001-2005
21132	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	33000		False	1999	50	Storage	1996-2000
21137	12825	NorthWeste		IOU	2130.886	1	Electric	FALSE	FALSE		4.5	False	2011	50	Storage	2005-2011
21143	01176	City of		NWP	1612.692	1	Electric	TRUE	FALSE		4.5	False	1995	40	Storage	1991-1995
21155	06169	Fall River	Intermountain	NWP	1192.465	1	Gas	FALSE	FALSE	35000		False	1995	40	Storage	Unknown
21160	13788	Northern		NWP	1925.059	1	Electric	FALSE	FALSE		False		1999	Storage	Storage	Unknown
21160	13788	Northern		NWP	1925.059	1	Wood	FALSE	FALSE	38000		False	1999	40	Storage	1996-2000
21176	09187	Idaho Falls	Intermountain	NWP	1192.465	1	Gas	FALSE	FALSE	40000		False	1998	50	Storage	1996-2000
21176	09187	Idaho Falls	Intermountain	NWP	1192.465	1	Gas	FALSE	FALSE	40000		False	2009	50	Storage	2005-2011
21180	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	40000		False	1992	50	Storage	1991-1995
21188	05832	Elmhurst	Puget Sound	NWP	4360.188	1	Gas	FALSE	FALSE	36000		False	1997	50	Storage	1996-2000
21201	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2002	50	Storage	2001-2005
21203	07548	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		3.8	False	2000	50	Storage	1996-2000
21214	06395	Flathead		NWP	1144.679	1	Electric	FALSE	FALSE		3.5	False	2000	50	Storage	1996-2000
21218	13758	Northern		NWP	1192.465	2	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
21219	14354	PacificCorp		IOU	8559.104	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
21225	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE		False		1991	50	Storage	Unknown
21228	20169	Avista Corp	Avista Energy	IOU	3785.764	1	Gas	FALSE	FALSE	38000		False	2005	50	Storage	2001-2005
21231	04743	Consumers		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	1995	40	Storage	1991-1995
21233	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	40000		False	1995	40	Storage	1991-1995
21238	12825	NorthWeste		IOU	2130.886	1	Gas	FALSE	FALSE	35500		False	1991	40	Storage	1991-1995
21242	14109	Oregon Trail	CNG - Cascade	NWP	1925.059	1	Electric	FALSE	FALSE		4.5	False	2000	50	Storage	1996-2000
21252	04743	Consumers		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2003	65	Storage	2001-2005
21258	03264	Central		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	1996	55	Storage	1996-2000
21258	03264	Central		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
21259	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	Other	190000		False	2010	Instantaneous	Instantaneous	2005-2011
21263	19784	Vera		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	1992	55	Storage	1991-1995
21264	01625	Benton		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
21277	05327	Douglas		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2003	80	Storage	Unknown
21291	07548	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		5.5	False	2003	80	Storage	2001-2005

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityB	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheatType	Vintage	
21293	14354	PacificCorp	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	38000	4	False	2003	40	Storage	2001-2005	
21294	03644	PUD No 1 of Bladly		NWP	2079.993	1	Electric	FALSE	FALSE				1992	66	Instantaneous	1991-1995	
21295	01736	NWP		NWP	1612.692	1	Propane	FALSE	FALSE	36000		False	1996	30	Storage	Unknown	
21296	12615	City of CNG - Cascade		NWP	1925.059	1	Gas	FALSE	Other			False	2005	50	Storage	2001-2005	
21298	09191	Idaho Intermountain		IOU	3785.764	1	Electric	FALSE	FALSE			4.5	False	2008	50	Storage	2005-2011
21305	18917	Tillamook		NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	2006	50	Storage	2005-2011
21316	09191	Idaho Intermountain		IOU	3785.764	1	Electric	FALSE	FALSE	36000		False	2011	40	Storage	2005-2011	
21319	12825	NorthWeste		IOU	2130.886	1	Gas	FALSE	FALSE			4.5	False	1987	52	Storage	1986-1990
21320	07548	PUD No 1 of Central		NWP	2079.993	1	Electric	FALSE	FALSE			4.5	False	1989	50	Storage	1986-1990
21326	03240	NorthWeste		NWP	1925.059	1	Electric	FALSE	FALSE	65000		False	1985	48	Storage	1981-1985	
21334	20169	Avista Corp		IOU	12271.31	1	Gas	FALSE	FALSE	40000		False	2003	40	Storage	2001-2005	
21343	14354	PacificCorp	NW Natural	IOU	8264.945	1	Gas	FALSE	Other	140000		False	1999	38	Storage	Unknown	
21350	14354	PacificCorp	NW Natural	IOU	8264.945	1	Gas	FALSE	Other	40000		False	2006	50	Storage	1996-2000	
21353	09187	Idaho Falls	Intermountain	NWP	1192.465	1	Gas	FALSE	FALSE			4.5	False	2001	5	Storage	2005-2011
21355	14354	PacificCorp	NorthWeste	IOU	8264.945	1	Electric	FALSE	AO Smith			4.5	False	2004	50	Storage	2001-2005
21366	12825	NorthWeste	NorthWeste	IOU	2130.886	1	Electric	FALSE	FALSE			4.5	False	2001	50	Storage	Unknown
21367	12825	NorthWeste	Northwestern	IOU	2130.886	1	Electric	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005	
21372	40437	Emerald	NW Natural	NWP	1612.692	2	Gas	FALSE	FALSE			4.5	False	2006	50	Storage	2005-2011
21374	17839	City of Idaho		NWP	1612.692	1	Electric	FALSE	State			4.5	False	2010	50	Storage	2005-2011
21376	09191	Idaho		IOU	3785.764	1	Electric	FALSE	FALSE			4.5	False	2009	40	Storage	2005-2011
21384	01579	PUD No 1 of NorthWeste		NWP	1904.288	1	Electric	FALSE	FALSE	35500		False	2004	50	Storage	2001-2005	
21390	12825	NorthWeste		IOU	2130.886	1	Gas	FALSE	FALSE	40000		False	2009	30	Storage	2005-2011	
21391	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE			4.5	False	2004	50	Storage	2001-2005
21394	10944	PUD No 1 of NorthWeste		NWP	2079.993	1	Electric	FALSE	FALSE			4.5	False	2006	40	Storage	2005-2011
21401	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	45000		False	1995	50	Storage	1991-1995	
21403	20169	Avista Corp	Northwestern	IOU	12271.31	1	Gas	FALSE	FALSE	40000		False	1992	50	Storage	1991-1995	
21405	14354	PacificCorp		IOU	12271.31	1	Electric	FALSE	FALSE			4.5	False	1992	50	Storage	1991-1995
21408	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	40000		False	1993	50	Storage	1991-1995	
21411	12825	NorthWeste	Northwestern	IOU	2130.886	1	Oil/Kerosene	FALSE	FALSE	53000		False	1999	50	Storage	1996-2000	
21414	14354	PacificCorp		IOU	12271.31	1	Electric	FALSE	FALSE			3.5	False	2009	50	Storage	2005-2011
21417	03739	Cleanwater		NWP	1192.465	1	Electric	FALSE	FALSE			4.5	False	2004	55	Storage	2001-2005
21419	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	33000		False	2009	30	Storage	2005-2011	
21427	18917	Tillamook		NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	2003	40	Storage	Unknown
21431	12692	Missoula	Northwestern	NWP	1144.679	1	Electric	FALSE	FALSE			4.5	False	2003	50	Storage	2001-2005
21436	14354	PacificCorp	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	35000		False	1992	40	Storage	1991-1995	
21437	03660	PUD No 1 of NW Natural		NWP	2079.993	1	Gas	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005	
21438	04317	Coos-Curry		NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	2002	55	Storage	2005-2011
21452	14624	PUD No 2 of City of		NWP	1904.288	1	Electric	FALSE	FALSE			4.5	False	2010	50	Storage	2001-2005
21456	17839	USBA-		NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	1991	50	Storage	1991-1995
21459	19603	Avista Corp	Avista Energy	NWP	1144.679	1	Electric	FALSE	FALSE			4.5	False	2008	50	Storage	2005-2011
21460	20169	PUD No 1 of NW Natural		NWP	3785.764	1	Gas	FALSE	FALSE	65000		False	2000	50	Storage	1996-2000	
21463	03660	Fall River		NWP	2079.993	1	Electric	FALSE	FALSE			4.5	False	1998	50	Storage	1996-2000
21464	06169	Vera		NWP	1192.465	1	Electric	FALSE	FALSE			4.5	False	1999	50	Storage	1996-2000
21469	19784	Idaho		NWP	1904.288	1	Electric	FALSE	FALSE			4.5	False	1999	50	Storage	1996-2000
21471	07548	PUD No 1 of NW Natural		NWP	2079.993	1	Electric	FALSE	FALSE			4.5	False	2002	50	Storage	2001-2005
21483	01579	PUD No 1 of Idaho	Intermountain	NWP	1904.288	1	Electric	FALSE	FALSE	40000		False	2000	50	Storage	1996-2000	
21484	09191	Salem		IOU	3785.764	1	Gas	FALSE	FALSE			4.5	False	2002	50	Storage	2001-2005
21486	16555	PacificCorp		NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	2007	50	Storage	2005-2011
21487	14354	NorthWeste	Northwestern	IOU	8264.945	1	Electric	FALSE	FALSE			5.5	False	1999	50	Storage	1996-2000
21494	12825	City of	Northwestern	IOU	2130.886	1	Electric	FALSE	FALSE			3.8	False	2007	40	Storage	2005-2011
21499	03420	NorthWeste		NWP	1904.288	1	Electric	FALSE	FALSE			4.5	False	1997	50	Storage	1996-2000
21501	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	38000		False	2011	40	Storage	2005-2011	
21503	10944	PUD No 1 of USBA-		NWP	2079.993	1	Electric	FALSE	FALSE			4.5	False	1980	50	Storage	Unknown
21504	09603	NorthWeste	Northwestern	NWP	1144.679	1	Electric	FALSE	FALSE			4.5	False	1976-1980	50	Storage	1976-1980
21524	06716	PUD No 1 of Elmhurst		NWP	1904.288	1	Electric	FALSE	FALSE			4.5	False	2010	50	Storage	2005-2011
21524	06716	Wasco		NWP	1904.288	1	Electric	FALSE	FALSE			4.5	False	2011	50	Storage	2005-2011
21531	05832	Elmhurst		NWP	4360.188	1	Electric	FALSE	FALSE			4.5	False	2007	50	Storage	Unknown
21532	20138	Lane		NWP	1925.059	1	Electric	FALSE	FALSE			4.5	False	2004	80	Storage	2005-2011
21537	10681	Lane		NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	2007	50	Storage	2001-2005
21537	10681	Lane		NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	2009	50	Storage	2005-2011
21546	03264	Central	NW Natural	NWP	1612.692	1	Gas	FALSE	FALSE	75000		False	2000	75	Storage	1996-2000	
21566	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	40000		False	1997	40	Storage	1996-2000	
21578	03660	PUD No 1 of Avista Corp		NWP	2079.993	1	Electric	FALSE	FALSE			4.5	False	1996	80	Storage	1996-2000
21588	20169	Avista Corp		IOU	3785.764	1	Electric	FALSE	FALSE			4.5	False	2003	50	Storage	2001-2005

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityB	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage
21598	14354	PacificCorp	Avista Energy	IOU	8559.104	1 Gas	FALSE	FALSE	FALSE	40000	False	False	2002	50 Storage	Water Storage	2001-2005
21601	03660	PUD No 1 of NorthWeste		NWP	2079.993	1 Electric	FALSE	FALSE	FALSE		False	False		Storage	Storage	Unknown
21605	12825	NorthWeste		IOU	2130.886	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	2009	50 Storage	Storage	2005-2011
21612	12825	NorthWeste	Northwestern	IOU	2130.886	1 Gas	FALSE	FALSE	FALSE	40000	False	False	2007	40 Storage	Storage	2005-2011
21615	20169	Avista Corp	Avista Energy	IOU	12271.31	1 Gas	FALSE	FALSE	FALSE	40000	False	False	2004	40 Storage	Storage	2001-2005
21623	03660	PUD No 1 of NW Natural		NWP	2079.993	2 Gas	FALSE	FALSE	FALSE	180000	False	False	2010	Instantaneous	Instantaneous	2005-2011
21638	12825	NorthWeste	Northwestern	IOU	2130.886	1 Electric	FALSE	FALSE	FALSE		False	False	2005	47 Storage	Storage	2001-2005
21647	04317	Coos-Curry		NWP	1612.692	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	1999	50 Storage	Storage	1996-2000
21654	23586	Vigilante		NWP	1144.679	1 Gas	FALSE	FALSE	FALSE	45000	False	False	2000	50 Storage	Storage	1996-2000
21668	09191	Idaho	Intermountain	IOU	3785.764	1 Gas	FALSE	FALSE	FALSE	40000	False	False	2009	40 Storage	Storage	2001-2005
21672	06395	Fiathead		NWP	1144.679	1 Electric	FALSE	FALSE	FALSE		False	False	2009	40 Storage	Storage	2005-2011
21678	20169	Avista Corp	Avista Energy	IOU	3785.764	1 Gas	FALSE	FALSE	FALSE	38000	False	False	2005	50 Storage	Storage	2001-2005
21680	06395	Fiathead	Northwestern	NWP	1144.679	1 Gas	FALSE	FALSE	FALSE	70000	False	False	2005	50 Storage	Storage	2001-2005
21684	14354	PacificCorp		IOU	8264.945	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	1993	52 Storage	Storage	1991-1995
21689	09191	Idaho		IOU	3785.764	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	1995	50 Storage	Storage	1991-1995
21692	14354	PacificCorp		IOU	8559.104	1 Oil/Kerosene	FALSE	FALSE	FALSE	32 Storage	False	False	2001	32 Storage	Storage	2001-2005
21700	14354	PacificCorp		IOU	8264.945	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	1989	50 Storage	Storage	1986-1990
21701	19603	USBA-		NWP	1144.679	1 Electric	FALSE	FALSE	FALSE		False	False	2010	40 Storage	Storage	2005-2011
21703	01579	PUD No 1 of Vera		NWP	1904.288	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	2010	50 Storage	Storage	2005-2011
21707	19784	Idaho		NWP	1904.288	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	1982	65 Storage	Storage	1981-1985
21708	09191	Idaho	Intermountain	IOU	3785.764	1 Gas	FALSE	FALSE	FALSE	40000	False	False	2010	40 Storage	Storage	2005-2011
21710	03660	PUD No 1 of NW Natural		NWP	2079.993	1 Gas	FALSE	FALSE	FALSE	40000	False	False	2010	40 Storage	Storage	2005-2011
21719	12825	NorthWeste		IOU	2130.886	1 Electric	FALSE	Rheem	FALSE		4.5 False	False	2008	50 Storage	Storage	2005-2011
21720	09191	Idaho		IOU	3785.764	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	1988	50 Storage	Storage	1986-1990
21722	12825	NorthWeste	Northwestern	IOU	2130.886	1 Gas	FALSE	FALSE	FALSE	40000	False	False	2002	50 Storage	Storage	2001-2005
21733	09187	Idaho Falls	Intermountain	NWP	1192.465	1 Gas	FALSE	FALSE	FALSE	40000	False	False	2004	50 Storage	Storage	2001-2005
21741	14668	Peninsula	Puget Sound	NWP	4360.188	1 Gas	FALSE	FALSE	FALSE	36000	False	False	1987	50 Storage	Storage	1986-1990
21746	14354	PacificCorp		IOU	8264.945	1 Gas	FALSE	FALSE	FALSE	36000	False	False	2005	40 Storage	Storage	2001-2005
21748	02545	City of		NWP	1192.465	1 Electric	FALSE	FALSE	FALSE		3.8 False	False	2008	55 Storage	Storage	2005-2011
21753	18917	Tillamook		NWP	1612.692	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	2009	50 Storage	Storage	2005-2011
21768	03240	Central	CNG - Cascade	NWP	1925.059	1 Gas	FALSE	FALSE	FALSE	180000	False	False	2007	Instantaneous	Instantaneous	2005-2011
21777	12825	NorthWeste		IOU	2130.886	1 Propane	FALSE	FALSE	FALSE	40000	False	False	2005	40 Storage	Storage	2001-2005
21781	04743	Consumers		NWP	1612.692	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	2010	50 Storage	Storage	2005-2011
21783	14354	PacificCorp		IOU	8264.945	1 Propane	FALSE	Other	FALSE	133600	False	False		Instantaneous	Instantaneous	Unknown
21787	14668	Peninsula		NWP	4360.188	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	2010	50 Storage	Storage	2005-2011
21791	28541	Clatskanie		NWP	1612.692	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	2004	50 Storage	Storage	2001-2005
21796	09187	Idaho Falls	Intermountain	NWP	1192.465	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	2009	50 Storage	Storage	2005-2011
21799	01579	PUD No 1 of		NWP	1904.288	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	2009	50 Storage	Storage	2005-2011
21816	02545	City of	Intermountain	NWP	1192.465	1 Gas	FALSE	FALSE	FALSE	40000	False	False	2001	40 Storage	Storage	2001-2005
21818	12825	NorthWeste		IOU	2130.886	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	2000	50 Storage	Storage	1996-2000
21828	01579	PUD No 1 of		NWP	1904.288	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	2003	65 Storage	Storage	2001-2005
21831	19236	City of Troy		NWP	1144.679	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	2001	50 Storage	Storage	2001-2005
21856	12825	NorthWeste	Northwestern	IOU	2130.886	1 Gas	FALSE	FALSE	FALSE	45000	False	False	2009	50 Storage	Storage	2005-2011
21862	08699	Inland		NWP	1192.465	1 Propane	FALSE	FALSE	FALSE	45000	False	False	2007	50 Storage	Storage	2005-2011
21877	14055	PUD No 1 of		NWP	1904.288	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	1995	66 Storage	Storage	1991-1995
21881	09187	Idaho Falls	Northwestern	NWP	1192.465	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	1991	50 Storage	Storage	1991-1995
21883	06395	Fiathead		NWP	1144.679	1 Gas	FALSE	FALSE	FALSE	45000	False	False		50 Storage	Storage	Unknown
21888	14354	PacificCorp		IOU	8559.104	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	1994	52 Storage	Storage	1991-1995
21889	19325	Umatilla		NWP	1925.059	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	1992	52 Storage	Storage	1991-1995
21896	26916	Ravalli		NWP	1144.679	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	1997	52 Storage	Storage	1996-2000
21898	09191	Idaho	Intermountain	IOU	3785.764	1 Gas	FALSE	Bradford	FALSE	40000	False	False	2009	50 Storage	Storage	2005-2011
21899	14354	PacificCorp	Avista Energy	IOU	8264.945	1 Gas	FALSE	FALSE	FALSE	40000	False	False	2007	50 Storage	Storage	2005-2011
21905	20169	Avista Corp	Avista Energy	IOU	12271.31	1 Gas	FALSE	FALSE	FALSE	40000	False	False	1994	50 Storage	Storage	1991-1995
21906	12825	NorthWeste	Northwestern	IOU	2130.886	1 Gas	FALSE	FALSE	FALSE	40000	False	False	1988	40 Storage	Storage	1986-1990
21914	12187	McMinnville		NWP	1612.692	2 Electric	FALSE	FALSE	FALSE	50 Storage	False	False	1998	50 Storage	Storage	1996-2000
21922	06716	PUD No 1 of	CNG - Cascade	NWP	1904.288	1 Gas	FALSE	FALSE	FALSE	40000	False	False	2002	50 Storage	Storage	2001-2005
21934	09191	Idaho		IOU	3785.764	1 Electric	FALSE	General	FALSE		4.5 False	False	2008	50 Storage	Storage	2005-2011
21936	12825	NorthWeste		IOU	2130.886	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	1994	50 Storage	Storage	2005-2011
21950	12825	NorthWeste	Northwestern	IOU	2130.886	1 Gas	FALSE	FALSE	FALSE	199000	False	False	2008	50 Storage	Instantaneous	2005-2011
21951	13758	Northern	Avista Energy	NWP	1192.465	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	2010	50 Storage	Storage	2005-2011
21961	03660	PUD No 1 of		NWP	2079.993	1 Electric	FALSE	FALSE	FALSE		4 False	False	1998	80 Storage	Storage	1996-2000
21967	01625	Benton		NWP	1904.288	2 Electric	FALSE	FALSE	FALSE		4.5 False	False	2002	50 Storage	Storage	2001-2005
21974	09191	Idaho		IOU	3785.764	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	1989	52 Storage	Storage	1986-1990
21977	14354	PacificCorp		IOU	8559.104	1 Electric	FALSE	FALSE	FALSE		4.5 False	False	1988	50 Storage	Storage	1986-1990

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityBt	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage
21978	01579	PUD No 1 of	CNG - Cascade	NWP	1904.288	1	Electric	FALSE	Richmond		4.5	False	1999	50	Storage	1996-2000
21979	18917	Tillamook		NWP	1612.692	1	Electric	FALSE			3.5	False	2008	50	Storage	2005-2011
21981	03295	City of		NWP	2079.993	1	Electric	FALSE			4.5	False	2009	50	Storage	2005-2011
21988	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE		40000	4.5	False	2003	50	Storage	2001-2005
22000	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	Rheem	35000	False	False	2000	30	Storage	1996-2000
22005	06395	Flathhead		NWP	1144.679	1	Propane	FALSE		37000	False	False	2007	50	Storage	2005-2011
22015	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE		38000	False	False	2001	40	Storage	2001-2005
22019	01625	Benton		NWP	1904.288	1	Electric	FALSE			4.5	False	1991	40	Storage	1991-1995
22021	02545	City of	Intermountain	NWP	1192.465	1	Gas	FALSE		32000	False	False	1999	40	Storage	1996-2000
22023	17279	PUD No 1 of	PUD No 1 of	NWP	2079.993	1	Electric	FALSE			4.5	False	2004	50	Storage	2001-2005
22024	03739	Clearwater		NWP	1192.465	1	Electric	FALSE			4.5	False	2001	50	Storage	2001-2005
22039	08699	Inland	Avista Energy	NWP	1904.288	1	Gas	FALSE		40000	False	False	2007	40	Storage	2005-2011
22041	12825	NorthWeste		IOU	2130.886	1	Gas	FALSE		50000	False	False	2010	50	Storage	2001-2005
22047	14354	PacificCorp		IOU	3785.764	1	Electric	FALSE			4.5	False	2005	50	Storage	2005-2011
22052	08699	Inland	Avista Energy	NWP	1904.288	1	Gas	FALSE		40000	False	False	2008	50	Storage	2005-2011
22053	03644	PUD No 1 of		NWP	2079.993	1	Electric	FALSE			4.5	False	2007	50	Storage	2005-2011
22059	14624	PUD No 2 of		NWP	1904.288	1	Electric	FALSE			4.5	False	2009	50	Storage	2005-2011
22061	14055	PUD No 1 of		NWP	1904.288	1	Electric	FALSE			4.5	False	2005	50	Storage	2001-2005
22077	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	Rheem	38000	False	False	2005	50	Storage	2001-2005
22084	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE			4.5	False	1988	41	Storage	1986-1990
22086	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE		40000	False	False	1993	50	Storage	1991-1995
22087	03264	Central		NWP	1612.692	1	Electric	FALSE			4.5	False	2001	50	Storage	2001-2005
22095	12825	NorthWeste		IOU	2130.886	1	Gas	FALSE		40000	False	False	1996	50	Storage	1996-2000
22096	14354	PacificCorp		IOU	3785.764	1	Electric	FALSE			4.5	False	2004	50	Storage	2001-2005
22108	40437	Emerald		NWP	1612.692	1	Electric	FALSE			4.5	False	2004	50	Storage	Unknown
22109	01579	PUD No 1 of		NWP	1904.288	1	Electric	FALSE			4.5	False	1998	80	Storage	1996-2000
22123	13758	Peninsula		NWP	1192.465	1	Electric	FALSE		6	False	False	2002	50	Storage	Unknown
22124	14668	North	Puget Sound	NWP	4360.188	1	Gas	FALSE		36000	False	False	2002	50	Storage	2001-2005
22125	10944	PUD No 1 of		NWP	2079.993	1	Electric	FALSE			4.5	False	2007	50	Storage	2005-2011
22127	09191	Idaho	NW Natural	IOU	3785.764	1	Electric	FALSE			4.5	False	1995	50	Storage	1991-1995
22129	13788	Northern		NWP	1925.059	1	Electric	FALSE			4.5	False	2000	50	Storage	1996-2000
22131	14354	PacificCorp	Avista Energy	IOU	8264.945	1	Gas	FALSE		35500	False	False	2008	40	Storage	2005-2011
22138	09191	Idaho		IOU	3785.764	1	Electric	FALSE			4.5	False	1999	50	Storage	1996-2000
22144	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE		38000	False	False	2000	40	Storage	1996-2000
22153	10454	Kootenai		NWP	1192.465	1	Electric	FALSE			3.8	False	2004	50	Storage	2001-2005
22159	09186	Idaho City		NWP	1192.465	1	Propane	FALSE		37000	False	False	2004	40	Storage	2001-2005
22172	01579	PUD No 1 of		NWP	1904.288	1	Electric	FALSE			4.5	False	1985	50	Storage	1981-1985
22175	15327	Public		NWP	2079.993	1	Electric	FALSE			3.3	False	2006	80	Storage	2005-2011
22177	04743	Consumers		NWP	1612.692	1	Electric	FALSE	Other		2.5	True	1991	80	Storage	1991-1995
22179	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE			4.5	False	1996	50	Storage	1996-2000
22180	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE			4.5	False	2006	50	Storage	2005-2011
22181	20297	City of	Intermountain	NWP	1192.465	1	Gas	FALSE		40000	False	False	1995	40	Storage	1991-1995
22186	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	Bradford	40000	False	False	2008	40	Storage	2005-2011
22187	40437	Emerald		NWP	1612.692	1	Electric	FALSE			4.5	False	2008	Instantaneous		2005-2011
22191	14354	PacificCorp		IOU	8559.104	1	Electric	TRUE			4.5	False	1996	50	Storage	1996-2000
22198	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE		76000	False	False	1995	75	Storage	1991-1995
22200	10454	Kootenai		NWP	1192.465	1	Electric	FALSE			4.5	False	2006	50	Storage	2005-2011
22203	12439	Midstate	CNG - Cascade	NWP	1925.059	1	Gas	FALSE		40000	False	False	1998	50	Storage	1996-2000
22205	14074	Okanogan		NWP	1904.288	1	Electric	FALSE			4.5	False	1990	50	Storage	1986-1990
22212	17839	City of		NWP	1612.692	1	Electric	FALSE			4.5	False	2001	50	Storage	2001-2005
22214	12825	NorthWeste		IOU	2130.886	1	Electric	FALSE			4.5	False	2008	50	Storage	2005-2011
22215	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE		40000	False	False	2006	50	Storage	2005-2011
22222	08699	Inland	Avista Energy	NWP	1904.288	1	Electric	FALSE			4.5	False	2003	30	Storage	Unknown
22225	03240	Central		NWP	1925.059	1	Electric	FALSE			4.5	False	2003	50	Storage	2001-2005
22226	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE			4.5	False	2009	50	Storage	2005-2011
22228	05327	Douglas		NWP	1612.692	1	Electric	FALSE			4.5	False	1995	50	Storage	1991-1995
22228	05327	Douglas		NWP	1612.692	1	Electric	FALSE			4.5	False	2003	50	Storage	2001-2005
22228	05327	Douglas		NWP	1612.692	1	Electric	FALSE			3.8	False	2000	50	Storage	1996-2000
22232	06716	PUD No 1 of		NWP	1904.288	1	Electric	FALSE			4.5	False	1998	50	Storage	1996-2000
22233	12439	Midstate		NWP	1925.059	1	Electric	FALSE			4.5	False	2001	80	Storage	2001-2005
22240	20169	Avista Corp		IOU	3785.764	1	Electric	FALSE			4.5	False	2001	40	Storage	2001-2005
22245	20169	Avista Corp		IOU	12271.31	1	Electric	FALSE			3.8	False	2001	40	Storage	2001-2005
22246	03240	Central		NWP	1925.059	1	Electric	FALSE			4.5	False	2001	50	Storage	2001-2005
22250	10393	PUD No 1 of		NWP	1904.288	1	Electric	FALSE			4.5	False	2011	50	Storage	2005-2011
22273	14624	PUD No 2 of		NWP	1904.288	1	Electric	FALSE			4.5	False	2008	30	Storage	2005-2011

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt.	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityB	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage	
22280	03413	PUD No 1 of	Gas Utility	Other	12271.31	1	Electric	FALSE	FALSE		4.5	False	2000	50	Storage	1996-2000	
22284	23586	Vigilante	Northwestern	NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011	
22288	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	40000		False	2009	50	Storage	2005-2011	
22289	05832	Elmhurst	Puget Sound	NWP	4360.188	1	Gas	FALSE	FALSE	40000		False	1995	50	Storage	1991-1995	
22291	10454	Kootenai	Avista Energy	NWP	1192.465	1	Gas	FALSE	FALSE	40000		False	2006	50	Storage	1996-2000	
22293	14109	Oregon Trail	CNG - Cascade	NWP	1925.059	1	Gas	FALSE	FALSE	35500		False	2009	50	Storage	2005-2011	
22295	14109	Oregon Trail	Avista Energy	NWP	1925.059	1	Electric	FALSE	FALSE			4.5	False	2011	50	Storage	2005-2011
22302	04743	Consumers	Northwestern	NWP	1612.692	1	Electric	FALSE	FALSE			5.5	False	1999	50	Storage	1996-2000
22306	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	40000		False	1996	50	Storage	1996-2000	
22312	20169	Avista Corp	Avista Energy	IOU	3785.764	2	Gas	FALSE	FALSE	40000		False	1996	50	Storage	1996-2000	
22319	09191	Idaho	Avista Energy	IOU	3785.764	1	Electric	FALSE	FALSE			4.5	False	2010	50	Storage	2005-2011
22322	40437	Emerald	NW Natural	NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	2005	50	Storage	2001-2005
22333	19603	USBA-	Northwestern	NWP	1144.679	1	Electric	FALSE	FALSE			4.5	False	1980	50	Storage	1976-1980
22369	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	180000		False	2005	80	Instantaneous	2001-2005	
22375	12187	McMinnville	Northwestern	NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	2002	80	Storage	2001-2005
22398	06395	Flathhead	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE	45000		False	2007	66	Storage	2005-2011	
22404	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	32000		False	1998	40	Storage	1996-2000	
22411	07548	PUD No 1 of	Intermountain	NWP	2079.993	1	Electric	FALSE	FALSE			4.5	False	1993	50	Storage	1991-1995
22413	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	40000		False	2006	50	Storage	2005-2011	
22425	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	General			4.5	False	2005	50	Storage	2001-2005
22432	03240	Central	Central	NWP	1925.059	1	Electric	FALSE	FALSE			4.5	False	1995	50	Storage	1991-1995
22439	03644	PUD No 1 of	NW Natural	NWP	2079.993	1	Electric	FALSE	FALSE			4.5	False	1995	50	Storage	1991-1995
22445	03413	PUD No 1 of	PacificCorp	Other	12271.31	1	Electric	FALSE	FALSE	37000		False	1993	50	Storage	1991-1995	
22458	14354	Idaho	Intermountain	IOU	3785.764	1	Propane	FALSE	FALSE			False	2007	50	Storage	2005-2011	
22460	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	FALSE			False	2010	50	Storage	2005-2011	
22474	01579	PUD No 1 of	NorthWeste	NWP	1904.288	1	Electric	FALSE	FALSE			4.5	False	2006	50	Storage	2005-2011
22475	12825	NorthWeste	NorthWeste	IOU	2130.886	1	Electric	FALSE	FALSE			False	2005	50	Storage	2001-2005	
22479	08699	Inland	NorthWeste	NWP	1904.288	1	Electric	FALSE	FALSE			False	2005	50	Storage	2001-2005	
22493	03240	Central	Central	NWP	1925.059	1	Gas	TRUE	FALSE			4	False	1973	52	Storage	1971-1975
22509	23255	PUD No 1 of	Intermountain	NWP	2079.993	1	Propane	FALSE	FALSE	36000		False	2002	40	Storage	2001-2005	
22514	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	38000		False	2000	40	Storage	1996-2000	
22515	07548	PUD No 1 of	NorthWeste	NWP	2079.993	1	Electric	FALSE	FALSE			False		40	Storage	Unknown	
22519	12825	NorthWeste	NorthWeste	IOU	2130.886	1	Electric	FALSE	FALSE			False		50	Storage	Unknown	
22521	18917	Tillamook	NorthWeste	NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	2004	50	Storage	2001-2005
22530	03264	Central	Central	NWP	1612.692	1	Electric	FALSE	FALSE			False		50	Storage	Unknown	
22533	06395	Flathhead	Flathhead	NWP	1144.679	1	Electric	FALSE	FALSE			4.5	False	1995	40	Storage	1991-1995
22546	14324	Public	Public	NWP	2079.993	1	Electric	FALSE	FALSE			4.5	False	1992	50	Storage	1991-1995
22557	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	40000		False	2006	40	Storage	2005-2011	
22559	10454	Kootenai	NorthWeste	NWP	1192.465	1	Electric	FALSE	FALSE			4.5	False	1995	50	Storage	1991-1995
22566	07262	Glacier	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE	35500		False	2009	40	Storage	2005-2011	
22570	19603	USBA-	Northwestern	NWP	1144.679	1	Electric	FALSE	FALSE			4.5	False	2004	50	Storage	2001-2005
22571	09191	Idaho	NorthWeste	IOU	3785.764	1	Electric	FALSE	FALSE			4.5	False	1999	50	Storage	1996-2000
22576	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	34000		False	1994	40	Storage	1991-1995	
22577	08830	Hood River	NorthWeste	NWP	1925.059	1	Electric	FALSE	FALSE			4.5	False	2008	50	Storage	2005-2011
22580	14354	PacificCorp	CNG - Cascade	IOU	12271.31	1	Electric	FALSE	FALSE			3.8	False	1997	50	Storage	1996-2000
22583	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	40000		False	1991	50	Storage	1991-1995	
22590	09187	Idaho Falls	Intermountain	NWP	1192.465	1	Electric	FALSE	FALSE			5.5	False	2009	50	Storage	2005-2011
22597	14354	PacificCorp	Intermountain	IOU	8264.945	1	Electric	FALSE	FALSE			4.5	False	2006	50	Storage	2005-2011
22602	08699	Inland	NorthWeste	NWP	1904.288	1	Electric	FALSE	FALSE			4.5	False	2009	80	Storage	2005-2011
22607	40437	Emerald	NW Natural	NWP	1612.692	1	Gas	FALSE	FALSE			False		Instantaneous	Unknown		
22612	09191	Idaho	NorthWeste	IOU	3785.764	1	Electric	FALSE	FALSE			4.5	False	2002	50	Storage	2001-2005
22615	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	42000		False	1999	50	Storage	1996-2000	
22618	12825	NorthWeste	NorthWeste	IOU	2130.886	1	Gas	FALSE	FALSE	32000		False	2009	29	Storage	2005-2011	
22620	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Electric	FALSE	FALSE			4.5	False	2005	50	Storage	2001-2005
22620	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	40000		False	2007	50	Storage	2005-2011	
22625	01579	PUD No 1 of	NorthWeste	NWP	1904.288	1	Electric	FALSE	FALSE			4.5	False	2008	50	Storage	2005-2011
22627	12825	NorthWeste	NorthWeste	IOU	2130.886	1	Gas	FALSE	FALSE			False		Instantaneous	Unknown		
22632	19603	USBA-	Northwestern	NWP	1144.679	1	Electric	FALSE	FALSE			False		47	Storage	2001-2005	
22641	12692	Missoula	NorthWeste	NWP	1144.679	1	Electric	FALSE	FALSE			4.5	False	2004	66	Storage	2001-2005
22649	03240	Central	Central	NWP	1925.059	1	Electric	FALSE	FALSE			4.5	False	1990	50	Storage	1986-1990
22652	03660	PUD No 1 of	NorthWeste	NWP	2079.993	1	Electric	FALSE	FALSE			4.5	False	1988	66	Storage	1986-1990
22653	08699	Inland	NorthWeste	NWP	1904.288	2	Electric	FALSE	FALSE			4.5	False	1999	50	Storage	1996-1999
22671	04317	Coos-Curry	Coos-Curry	NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	1992	55	Storage	1991-1995
22673	12692	Missoula	Missoula	NWP	1144.679	1	Gas	FALSE	Other			True	2007	60	Storage	2005-2011	

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt.	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityB	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage
22679	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	32000	False	False	1994	40	Storage	1991-1995
22681	10454	Kootenai	Avista Energy	NWP	1192.465	1	Gas	FALSE	FALSE	40000	False	False	1997	50	Storage	1996-2000
22683	07548	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	1995	50	Storage	1991-1995
22688	14109	Oregon Trail		NWP	1925.059	1	Electric	FALSE	FALSE		4.5	False	1991	50	Storage	1991-1995
22693	14354	PacificCorp		IOU	12271.31	1	Electric	FALSE	Sears		5.5	False	1994	52	Storage	1991-1995
22694	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
22699	04743	Consumers		NWP	1612.692	1	Electric	FALSE	FALSE	40000	4.5	False	2003	40	Storage	2001-2005
22701	14109	Oregon Trail	Avista Energy	NWP	1925.059	1	Gas	FALSE	FALSE		4.5	False	2002	80	Storage	2001-2005
22702	14012	Ohop		NWP	4360.188	1	Electric	FALSE	FALSE	34000	4.5	False	1995	50	Storage	1991-1995
22703	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE		4.5	False	2006	55	Storage	2005-2011
22705	19603	USBA-		NWP	1144.679	1	Electric	FALSE	FALSE		3.375	False	1990	50	Storage	1986-1990
22721	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE		3.375	False	1999	50	Storage	1996-2000
22724	20169	Avista Corp		IOU	3785.764	1	Electric	FALSE	FALSE	45000	4.5	False	2007	50	Storage	2005-2011
22728	06395	Flathead	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE	42000	4.5	False	2001	50	Storage	2001-2005
22733	01956	Bonnets	Avista Energy	NWP	1192.465	1	Gas	FALSE	FALSE		4.5	False	2002	54	Storage	2001-2005
22739	03739	Clearwater		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	2002	50	Storage	2001-2005
22743	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	Bradford		4.5	False	2008	50	Storage	2005-2011
22743	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	Rheem		4.5	False	2008	50	Storage	2005-2011
22751	14109	Oregon Trail		NWP	1925.059	1	Electric	FALSE	FALSE	36000	4.5	False	1974	50	Storage	1971-1975
22756	08699	Inland		NWP	1904.288	1	Propane	FALSE	FALSE		4.5	False	1995	50	Storage	1991-1995
22767	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	1998	50	Storage	1996-2000
22774	12692	Missoula	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE	38000	4.5	False	2002	40	Storage	2001-2005
22785	03295	City of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
22787	14354	PacificCorp		IOU	3785.764	1	Electric	FALSE	FALSE		3.8	False	1982	66	Storage	1981-1985
22787	14354	PacificCorp		IOU	3785.764	1	Electric	FALSE	FALSE		3.8	False	1983	66	Storage	1981-1985
22822	14055	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2007	50	Storage	2005-2011
22832	04317	Coos-Curry		NWP	1612.692	1	Electric	FALSE	FALSE	37000	4.5	False	1995	50	Storage	1991-1995
22833	14354	PacificCorp		IOU	3785.764	2	Propane	FALSE	FALSE		4.5	False	2005	38	Storage	2005-2011
22845	12692	Missoula		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	1995	50	Storage	1991-1995
22854	06395	Flathead	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
22855	03644	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	Bradford		4.5	False	1986	50	Storage	1986-1990
22869	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	32000	False	False	1998	40	Storage	1996-2000
22872	20169	Avista Corp	Avista Energy	IOU	3785.764	1	Gas	FALSE	FALSE	38000	False	False	2002	40	Storage	2001-2005
22878	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	40000	False	False	1999	50	Storage	1996-2000
22880	06582	City of	NW Natural	NWP	1612.692	1	Gas	FALSE	FALSE	40000	False	False	2004	38	Storage	2001-2005
22890	14653	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
22891	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	40000	False	False	2003	38	Storage	2001-2005
22897	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
22902	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	38000	False	False	2004	50	Storage	2001-2005
22903	15979	City of	CNG - Cascade	NWP	1904.288	1	Electric	FALSE	FALSE		3.4	False	1999	50	Storage	1996-2000
22904	03264	Central		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2011	55	Storage	2005-2011
22909	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	32000	False	False	1997	40	Storage	1996-2000
22919	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	65000	False	False	2008	65	Storage	2005-2011
22935	19502	United		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	1996	50	Storage	1996-2000
22935	19502	United		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
22938	05326	PUD No 1 of		Other	12271.31	1	Electric	TRUE	FALSE		4.5	False	2004	55	Storage	2001-2005
22944	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
22950	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	38000	False	False	1992	40	Storage	Unknown
22953	06395	Flathead		NWP	1144.679	1	Electric	FALSE	FALSE		4.6	False	1980	40	Storage	1991-1995
22955	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	35000	False	False	1980	40	Storage	1976-1980
22957	14109	Oregon Trail	Avista Energy	NWP	1925.059	1	Gas	FALSE	FALSE	40000	False	False	2007	50	Storage	2005-2011
22965	12187	McMinnville	NW Natural	NWP	1612.692	1	Gas	FALSE	FALSE	40000	False	False	2000	50	Storage	1996-2000
22966	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	35000	False	False	2004	40	Storage	Unknown
22969	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	40000	False	False	2004	50	Storage	2001-2005
22977	14109	Oregon Trail		NWP	1925.059	1	Oil/Kerosene	TRUE	FALSE		4.5	False	1992	50	Storage	Unknown
22977	14109	Oregon Trail		NWP	1925.059	1	Oil/Kerosene	FALSE	FALSE	37000	False	False	1992	50	Storage	1991-1995
22982	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		5.5	False	2006	80	Storage	2005-2011
22985	15248	Portland	NW Natural	IOU	6932.738	1	Gas	FALSE	FALSE	150000	5.5	False	2010	Instantaneous	2005-2011	
22993	14354	PacificCorp		IOU	8264.945	1	Electric	FALSE	FALSE		5.5	False	2010	50	Storage	2005-2011
22994	20385	West	NW Natural	NWP	1612.692	1	Gas	FALSE	FALSE	36000	False	False	2007	40	Storage	2005-2011
23003	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Electric	FALSE	FALSE		4	False	1993	50	Storage	1991-1995
23017	09191	Idaho		IOU	3785.764	1	Electric	FALSE	FALSE	40000	4.5	False	1996	50	Storage	2005-2011
23021	06395	Flathead	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE		4.5	False	1996	50	Storage	1996-2000
23028	03413	PUD No 1 of		Other	12271.31	1	Electric	FALSE	FALSE		4.5	False	2005	66	Storage	2001-2005

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt.	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityB	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage
23029	04743	Consumers		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	1990	65	Storage	1986-1990
23034	09186	Idaho Cnty		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
23049	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	40000		False	1993	50	Storage	1991-1995
23084	03644	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2005	40	Storage	2001-2005
23084	03644	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2007	40	Storage	2005-2011
23110	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	FALSE	40000		False	2006	60	Storage	1996-2000
23111	06169	Fall River	Intermountain	NWP	1192.465	2	Gas	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
23112	14624	PUD No 2 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
23113	12692	Missoula	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE	35000		False	1995	40	Storage	1991-1995
23119	04743	Consumers		NWP	1612.692	1	Propane	FALSE	FALSE	40000		False	1996	50	Storage	1996-2000
23122	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	32000		False	1994	40	Storage	1991-1995
23123	12825	NorthWeste	Northwestern	IOU	2130.886	1	Electric	FALSE	FALSE		4.5	False		50	Storage	Unknown
23138	12744	Modern	Avista Energy	NWP	1904.288	1	Gas	FALSE	FALSE	32000		False	2000	40	Storage	1996-2000
23145	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	40000		False	2007	50	Storage	2005-2011
23151	14354	PacificCorp	CNG - Cascade	IOU	12271.31	1	Gas	FALSE	FALSE	36000		False	1994	50	Storage	1991-1995
23155	03644	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4	False	2005	40	Storage	2001-2005
23178	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	35000		False	1986	40	Storage	1986-1990
23183	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	180000		False	2007	Instantaneous	2005-2011	
23185	06395	Flathead		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
23188	10944	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	General		4.5	False	2008	50	Storage	2005-2011
23192	01579	PUD No 1 of	CNG - Cascade	NWP	1904.288	1	Gas	FALSE	FALSE	38000		False	2010	50	Storage	2001-2005
23196	07548	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		5.5	False	2010	50	Storage	2005-2011
23211	12825	NorthWeste	Northwestern	IOU	2130.886	1	Electric	FALSE	FALSE		3.375	False	1986	50	Storage	1986-1990
23211	12825	NorthWeste	Northwestern	IOU	2130.886	1	Electric	FALSE	FALSE		4.5	False	2007	52	Storage	2005-2011
23213	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE		4.5	False		50	Storage	Unknown
23233	06716	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	1995	50	Storage	1991-1995
23235	05327	Douglas		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	1996	50	Storage	1996-2000
23241	07548	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		3.5	False	1997	5	Storage	1996-2000
23260	14055	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	1997	50	Storage	1996-2000
23262	16555	Salem	NW Natural	NWP	1612.692	1	Electric	FALSE	FALSE	40000		False	1999	50	Storage	1996-2000
23267	14354	PacificCorp	NW Natural	IOU	8264.945	1	Gas	FALSE	FALSE		4.5	False	2002	50	Storage	2001-2005
23278	16555	Salem	NW Natural	NWP	1612.692	1	Gas	FALSE	FALSE	33000		False	2003	40	Storage	2001-2005
23282	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	FALSE		2.5	False		Instantaneous	Unknown	
23282	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	2008	30	Storage	2005-2011
23283	03240	Central	CNG - Cascade	NWP	1925.059	1	Gas	FALSE	FALSE		False	False	2004	50	Storage	2001-2005
23284	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	Amana	40000		False	1986	40	Storage	1986-1990
23287	04743	Consumers		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
23294	06716	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	FALSE		5.5	False	2008	50	Storage	2005-2011
23300	04008	Columbia		NWP	1925.059	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
23314	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE		False	False		50	Storage	Unknown
23318	06395	Flathead		NWP	1144.679	1	Electric	FALSE	FALSE	40000		False	1997	50	Storage	1996-2000
23335	09187	Idaho Falls	Intermountain	NWP	1192.465	2	Gas	FALSE	FALSE		False	False	2004	38	Storage	2001-2005
23345	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	1991	50	Storage	1991-1995
23345	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	Bradford		4.5	False	1991	65	Storage	1991-1995
23345	19502	United		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
23358	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	30000		False		39	Storage	Unknown
23366	12439	Midstate		NWP	1925.059	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
23368	04743	Consumers	NW Natural	NWP	1612.692	1	Gas	FALSE	FALSE	36000		False	2010	40	Storage	2005-2011
23379	03413	PUD No 1 of		Other	12271.31	1	Electric	FALSE	FALSE		4.5	False	2011	50	Storage	2005-2011
23380	09191	Idaho		IOU	3785.764	1	Electric	FALSE	FALSE		5.5	False	2002	40	Storage	2001-2005
23381	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	40000		False	2002	50	Storage	2001-2005
23384	14354	PacificCorp		IOU	8264.945	1	Electric	FALSE	FALSE		4.5	False	2008	40	Storage	2005-2011
23387	23586	Vigilante		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	1996	30	Storage	1996-2000
23387	23586	Vigilante		NWP	1144.679	1	Gas	FALSE	FALSE	69000		False	1997	75	Storage	1996-2000
23390	12825	NorthWeste	Northwestern	IOU	2130.886	1	Electric	FALSE	FALSE	40000		False	2009	50	Storage	2005-2011
23391	40437	Emerald		NWP	1612.692	1	Gas	FALSE	FALSE	40000		False	2002	50	Storage	2001-2005
23392	03240	Central	CNG - Cascade	NWP	1925.059	1	Gas	FALSE	FALSE	50000		False	1994	50	Storage	1991-1995
23400	14354	PacificCorp		IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False		40	Storage	Unknown
23403	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	FALSE	38000		False	2007	50	Storage	2005-2011
23408	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE		4.5	False	2003	40	Storage	2001-2005
23414	10944	PUD No 1 of		NWP	2079.993	2	Electric	FALSE	FALSE		4.5	False	2000	55	Storage	1996-2000
23424	14354	PacificCorp		IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	2001	50	Storage	2001-2005
23427	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	38000		False	2008	50	Storage	2005-2011
23428	20169	Avista Corp	Avista Energy	IOU	12271.31	1	Gas	FALSE	FALSE	40000		False	1999	48	Storage	1996-2000

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt.	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityBt	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage
23439	04005	Columbia		NWP	1925.059	1	Electric	FALSE	FALSE		4.5	False	1994	50	Storage	1991-1995
23440	08699	Inland	Avista Energy	NWP	1904.288	1	Gas	FALSE	FALSE	34000		False	1998	40	Storage	1996-2000
23444	03660	PUD No 1 of NW Natural	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	34000		False	1996	40	Storage	1996-2000
23446	03660	PUD No 1 of PacificCorp	NW Natural	NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	1993	40	Storage	1991-1995
23449	14354	PacificCorp	NW Natural	IOU	8264.945	1	Gas	FALSE	FALSE	32000		False	1991	40	Storage	1991-1995
23465	03240	Central	CNG - Cascade	NWP	1925.059	1	Gas	FALSE	FALSE	36000		False	1993	50	Storage	1991-1995
23480	12789	City of		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	1996	50	Storage	1996-2000
23482	03644	PUD No 1 of Central		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2001	50	Storage	2001-2005
23486	03264	Central	Avista Energy	NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2007	50	Storage	2005-2011
23489	20169	Avista Corp	Avista Energy	IOU	3785.764	1	Electric	FALSE	FALSE		3.8	False	2008	40	Storage	2005-2011
23501	14324	Public		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
23502	06395	Flathead	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE	40000		False	2001	50	Storage	2001-2005
23504	04317	Coos-Curry		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2001	50	Storage	Unknown
23511	09191	Idaho		IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	2001	50	Storage	2001-2005
23526	14109	Oregon Trail		NWP	1925.059	1	Electric	FALSE	Other	199000		False	1972	52	Storage	1971-1975
23526	14109	Oregon Trail		NWP	1925.059	1	Propane	FALSE	Other	199000		False	2010	50	Storage	Unknown
23538	01818	City of	CNG - Cascade	NWP	4360.188	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
23539	03644	PUD No 1 of Idaho Falls	Intermountain	NWP	2079.993	1	Electric	FALSE	FALSE		5.5	False	1994	50	Storage	1991-1995
23544	09187	City of		NWP	1192.465	1	Electric	TRUE	FALSE		4.5	False	2007	50	Storage	2005-2011
23545	00907	City of		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
23546	03644	PUD No 1 of NorthWeste	Northwestern	NWP	2079.993	1	Electric	FALSE	FALSE	40000		False	2001	40	Storage	2001-2005
23547	12825	NorthWeste		IOU	2130.886	1	Gas	FALSE	FALSE		4.5	False	1994	40	Storage	1991-1995
23554	10454	Kootenai		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	2007	75	Storage	2005-2011
23556	14354	PacificCorp	Avista Energy	IOU	8264.945	1	Gas	FALSE	FALSE	40000		False	2008	50	Storage	2005-2011
23559	14354	PacificCorp		IOU	8264.945	1	Electric	FALSE	Kenmore		3.8	False	2003	50	Storage	2001-2005
23564	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	35500		False	2005	40	Storage	2001-2005
23566	12692	Missoula		NWP	1144.679	1	Propane	FALSE	FALSE	180000		False	2005	50	Storage	2001-2005
23581	03264	Central		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
23602	03739	Clearwater		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	2007	50	Storage	2005-2011
23607	03660	PUD No 1 of Flathead	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
23611	06395	Flathead	Northwestern	NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
23618	09191	Idaho		IOU	3785.764	1	Electric	FALSE	FALSE	40000		False	2004	38	Storage	2001-2005
23619	03660	PUD No 1 of NorthWeste	NW Natural	NWP	2079.993	2	Gas	FALSE	FALSE		4.5	False	2010	40	Storage	2005-2011
23621	12825	NorthWeste		IOU	2130.886	1	Gas	FALSE	FALSE	32000		False	1999	50	Storage	1996-2000
23624	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	38000		False	2005	50	Storage	2001-2005
23627	17493	City of Soda	Intermountain	NWP	1192.465	1	Gas	FALSE	FALSE	40000		False	1994	50	Storage	1991-1995
23631	03240	Central		NWP	1925.059	1	Electric	FALSE	FALSE		4.5	False	1996	50	Storage	1996-2000
23640	12825	NorthWeste		IOU	2130.886	1	Electric	FALSE	FALSE		4.5	False	2005	52	Storage	2001-2005
23645	16555	Salem		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
23666	14624	PUD No 2 of PacificCorp		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
23667	14354	PacificCorp		IOU	8264.945	1	Electric	FALSE	FALSE		4.5	False	2009	55	Storage	2005-2011
23674	06395	Flathead	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE	40000		False	2006	40	Storage	2005-2011
23676	03644	PUD No 1 of Idaho		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2000	40	Storage	1996-2000
23696	09191	Idaho	Intermountain	NWP	3785.764	1	Gas	FALSE	FALSE	40000		False	2007	40	Storage	2005-2011
23704	04317	Coos-Curry		NWP	1612.692	1	Electric	FALSE	FALSE		4	False	1980	30	Storage	1976-1980
23704	04317	Coos-Curry		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
23705	16555	Salem	NW Natural	NWP	1612.692	1	Gas	FALSE	FALSE	36000		False	1996	50	Storage	1996-2000
23710	10944	PUD No 1 of PacificCorp		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	1993	80	Storage	1991-1995
23714	14354	PacificCorp	NW Natural	IOU	8264.945	1	Gas	FALSE	FALSE	40000		False	1996	50	Storage	1996-2000
23720	14624	PUD No 2 of Flathead		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2001	50	Storage	2001-2005
23721	06395	Flathead	Northwestern	NWP	1612.692	1	Gas	FALSE	FALSE	35000		False	1990	40	Storage	1986-1990
23724	28541	Clatskanie		NWP	1144.679	1	Gas	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
23734	03660	PUD No 1 of Idaho	Intermountain	NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	1998	50	Storage	1996-2000
23742	09191	Idaho		IOU	3785.764	1	Gas	FALSE	FALSE		4.5	False	1993	50	Storage	Unknown
23744	08699	Inland		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	1991	50	Storage	1991-1995
23746	14354	PacificCorp		IOU	8559.104	1	Electric	FALSE	FALSE		4.5	False	2007	50	Storage	2005-2011
23756	14055	PUD No 1 of PacificCorp		NWP	1904.288	1	Electric	FALSE	FALSE		3.8	False	2002	50	Storage	2001-2005
23762	14354	PacificCorp		IOU	8264.945	1	Electric	FALSE	FALSE		4.5	False	1993	30	Storage	1991-1995
23763	03644	PUD No 1 of Flathead		NWP	2079.993	1	Electric	FALSE	FALSE		3.8	False	2002	80	Storage	2001-2005
23765	06395	Flathead	Northwestern	NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	2006	50	Storage	2005-2011
23788	10454	Kootenai		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	2006	38	Storage	2005-2011
23791	08699	Inland		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
23813	06297	PUD No 1 of Missoula		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
23824	12692	Missoula	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE	32000		False	1996	40	Storage	1996-2000

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt.	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityB	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage
23830	40437	Emerald		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	1999	50	Storage	1996-2000
23835	14354	PacificCorp	NW Natural	IOU	8264.945	1	Gas	FALSE	FALSE	36000		False	1988	50	Storage	1986-1990
23840	06395	Flathead	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE	60000		False	1987	50	Storage	1986-1990
23846	19603	USBA-		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	2001	38	Storage	2001-2005
23847	03644	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	Other		5.5	False	1998	50	Storage	1996-2000
23857	07262	Glacier	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE	32000		False	1996	50	Storage	1996-2000
23859	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE		4.5	False		50	Storage	Unknown
23860	03240	Central		NWP	1925.059	1	Electric	FALSE	FALSE	40000		False	2001	80	Storage	2001-2005
23870	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	40000		False	2001	50	Storage	2001-2005
23879	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	40000		False	2007	50	Storage	2005-2011
23882	12692	Missoula	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE	36000		False	1993	80	Storage	1991-1995
23886	13758	Northern	Avista Energy	NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
23889	17839	City of		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
23905	15419	PUD No 3 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2003	50	Storage	2001-2005
23909	16565	Salmon		NWP	1192.465	1	Electric	FALSE	FALSE	150000		False	1993	50	Storage	1991-1995
23910	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	Other		4.5	False	1997	Instantaneous		1996-2000
23913	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Electric	FALSE	AO Smith		4.5	False	2009	50	Storage	2005-2011
23914	06395	Flathead		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	2005	50	Storage	2001-2005
23926	20169	Avista Corp	Avista Energy	IOU	3785.764	1	Gas	FALSE	FALSE	34000		False	1999	40	Storage	1996-2000
23931	12692	Missoula		NWP	1144.679	1	Propane	FALSE	FALSE	40000		False	1995	50	Storage	1991-1995
23932	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	40000		False	1999	50	Storage	1996-2000
23933	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	1998	50	Storage	1996-2000
23936	14354	PacificCorp		IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	2011	50	Storage	2005-2011
23939	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	34000		False	2001	40	Storage	2001-2005
23946	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	35000		False	1994	40	Storage	1991-1995
23948	03264	Central		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
23952	17839	City of		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
23960	13758	Northern		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	1999	50	Storage	1996-2000
23965	08699	Inland	Avista Energy	NWP	1904.288	1	Gas	FALSE	FALSE	40000		False	1991	50	Storage	1991-1995
23966	20169	Avista Corp		IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False		50	Storage	Unknown
23972	12825	NorthWeste		IOU	2130.886	1	Gas	FALSE	FALSE		4.5	False	1996	50	Storage	1996-2000
23973	02545	City of	Intermountain	NWP	1192.465	1	Electric	FALSE	FALSE	40000		False	2009	50	Storage	2005-2011
23986	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE		5.5	False	2007	50	Storage	2005-2011
23994	20169	Avista Corp		IOU	3785.764	1	Electric	FALSE	FALSE	80000		False	2009	50	Storage	Unknown
23995	12825	NorthWeste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE		4.5	False	1991	50	Storage	1991-1995
24016	20169	Avista Corp	Avista Energy	IOU	12271.31	1	Electric	FALSE	FALSE		5.5	False	1979	52	Storage	1976-1980
24027	04005	Columbia		NWP	1925.059	1	Electric	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005
24033	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	40000		False	2006	40	Storage	2005-2011
24040	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	40000		False	2009	50	Storage	2005-2011
24048	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE		3.8	False	2009	50	Storage	2005-2011
24083	14624	PUD No 2 of		NWP	1904.288	1	Electric	FALSE	FALSE	38000		False	2009	50	Storage	2005-2011
24093	09187	Idaho Falls	Intermountain	NWP	1192.465	1	Gas	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
24119	03644	PUD No 1 of	NorthWeste	NWP	2079.993	1	Electric	FALSE	FALSE	40000		False	2005	50	Storage	2001-2005
24151	14109	Oregon Trail	Northwestern	NWP	1925.059	1	Electric	FALSE	FALSE		4.5	False	2011	40	Storage	2005-2011
24153	07262	Glacier		NWP	1144.679	1	Gas	FALSE	FALSE	32000		False	1989	40	Storage	1986-1990
24158	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	40000		False	1991	50	Storage	1991-1995
24171	07548	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		3.8	False	2008	50	Storage	2005-2011
24184	14668	Peninsula		NWP	4360.188	1	Electric	FALSE	FALSE		4	False	1986	65	Storage	1986-1990
24196	08699	Inland		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
24202	06169	Fall River		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	2004	47	Storage	2001-2005
24203	14624	PUD No 2 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	1997	50	Storage	1996-2000
24205	10454	Kootenai		NWP	1192.465	1	Propane	FALSE	FALSE	190000		False	2008	Instantaneous		2005-2011
24207	14109	Oregon Trail		NWP	1925.059	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	2005-2011
24209	14653	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	FALSE		4.5	False	2000	50	Storage	1996-2000
24221	09186	Idaho City		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False	1998	52	Storage	1996-2000
24224	01579	PUD No 1 of	CNG - Cascade	NWP	1904.288	1	Gas	FALSE	FALSE	34000		False	2008	40	Storage	2005-2011
24227	12825	NorthWeste		IOU	2130.886	1	Electric	FALSE	FALSE		4.5	False	2004	50	Storage	2001-2005
24232	10944	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2010	40	Storage	2005-2011
24242	12825	NorthWeste		IOU	2130.886	1	Electric	FALSE	FALSE		4.5	False	1996	40	Storage	1996-2000
24245	40437	Emerald		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	1974	50	Storage	1971-1975
24246	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	1999	50	Storage	1996-2000
24247	02955	Canby		NWP	1612.692	1	Electric	TRUE	FALSE		4.5	False	2009	80	Storage	2005-2011
24247	02955	Canby		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	2009	50	Storage	Unknown

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacityBt	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage	
24249	01625	Benton		NWP	1904.288	2	Electric	FALSE	FALSE		4.5	False	2000	50	Storage	1996-2000	
24259	06395	Flathed		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	1994	50	Storage	1991-1995	
24266	14354	PacificCorp	NW Natural	IOU	8264.945	1	Gas	FALSE	FALSE	40000		False		50	Storage	Unknown	
24296	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	Amama			False		50	Storage	1991-1995	
24310	01579	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	Richmond			5.5	False	1991	50	Storage	2001-2005
24311	14354	PacificCorp		IOU	8264.945	1	Electric	FALSE	FALSE			4.5	False	2006	50	Storage	2005-2011
24312	07548	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	Montgom			7	False		65	Storage	Unknown
24317	06395	Flathed	Northwestern	NWP	1144.679	1	Gas	FALSE	FALSE	52500		False	1995	50	Storage	1991-1995	
24332	12825	Northweste	Northwestern	IOU	2130.886	1	Electric	FALSE	FALSE			False		50	Storage	Unknown	
24341	19784	Vera	Avista Energy	NWP	1904.288	1	Electric	FALSE	FALSE			4.5	False	2000	52	Storage	1996-2000
24342	12825	Northweste	Avista Energy	IOU	2130.886	1	Electric	FALSE	FALSE			4.5	False	1990	50	Storage	1986-1990
24347	14624	PUD No 2 of		NWP	1904.288	1	Electric	FALSE	FALSE			4.5	False	1996	80	Storage	1996-2000
24349	14354	PacificCorp		IOU	8559.104	1	Electric	FALSE	FALSE			4.5	False		50	Storage	Unknown
24351	19603	USBA-		NWP	1144.679	1	Electric	FALSE	FALSE			4.5	False	2011	55	Storage	2005-2011
24363	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	38000		False	2006	40	Storage	2005-2011	
24366	20169	Avista Corp	Avista Energy	IOU	12271.31	1	Electric	FALSE	FALSE			5.5	False	2005	55	Storage	2001-2005
24373	08699	Inland	Avista Energy	NWP	1904.288	1	Gas	FALSE	FALSE	40000		False	2010	50	Storage	2005-2011	
24375	04317	Coos-Curry		NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	1995	50	Storage	1991-1995
24378	20169	Avista Corp	Avista Energy	IOU	12271.31	1	Gas	FALSE	FALSE	35500		False	1998	40	Storage	1996-2000	
24398	01736	Blachly-		NWP	1612.692	1	Electric	FALSE	FALSE			5.5	False	1992	52	Storage	1991-1995
24400	12187	McMinnville		NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	2009	50	Storage	2005-2011
24401	17839	City of	NW Natural	NWP	1612.692	1	Gas	FALSE	FALSE	35500		False	2011	50	Storage	2005-2011	
24402	14170	Orcas		NWP	4360.188	1	Electric	FALSE	FALSE			4.5	False	1999	50	Storage	2005-2011
24408	03264	Central		NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	2011	55	Storage	2005-2011
24410	19603	USBA-		NWP	1144.679	1	Electric	FALSE	FALSE			4.5	False	1989	50	Storage	1986-1990
24410	19603	USBA-		NWP	1144.679	1	Electric	FALSE	FALSE			4.5	False	2009	50	Storage	2001-2005
24417	08699	Inland		NWP	1904.288	1	Electric	FALSE	FALSE			3.8	False	2009	50	Storage	2005-2011
24418	26916	Ravalli		NWP	1144.679	1	Electric	FALSE	FALSE			4.5	False	1998	100	Storage	1996-2000
24419	02955	Ganby		NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	1994	52	Storage	1991-1995
24436	03644	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE			4.5	False	1987	50	Storage	1986-1990
24445	01579	PUD No 1 of		NWP	1904.288	1	Electric	FALSE	FALSE			4.5	False	1999	80	Storage	1996-2000
24451	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE			4	False	1987	52	Storage	1986-1990
24456	12825	Northweste		IOU	2130.886	1	Gas	FALSE	FALSE	40000		False	2004	50	Storage	2001-2005	
24462	09191	Idaho		IOU	3785.764	1	Electric	FALSE	FALSE			4.5	False	2008	50	Storage	2005-2011
24479	14354	PacificCorp		IOU	8264.945	1	Electric	TRUE	TRUE			4.5	False	2008	50	Storage	2005-2011
24488	07548	PUD No 2 of		NWP	2079.993	1	Electric	FALSE	FALSE			4.5	False	2006	80	Storage	2005-2011
24495	14668	Peninsula		NWP	4360.188	1	Electric	FALSE	FALSE			4.5	False	2009	50	Storage	2005-2011
24499	13758	Northern		NWP	1192.465	1	Electric	FALSE	FALSE			4.5	False	1991	50	Storage	1991-1995
24500	15297	City of		NWP	1192.465	1	Electric	FALSE	FALSE			4.5	False	1957	60	Storage	Before 1966
24510	14624	PUD No 2 of		NWP	1904.288	1	Electric	FALSE	FALSE			2.5	False	2007	7	Storage	2005-2011
24510	14624	PUD No 2 of		NWP	1904.288	1	Electric	FALSE	FALSE			4.5	False	1992	50	Storage	1991-1995
24521	12825	Northweste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	40000		False	1995	40	Storage	1991-1995	
24522	07548	PUD No 1 of	CNG - Cascade	NWP	2079.993	1	Gas	TRUE	TRUE	40000		False	2004	40	Storage	2001-2005	
24524	14109	Oregon Trail		NWP	1925.059	1	Propane	FALSE	FALSE	125000		False		Instantaneous	Unknown		
24533	04743	Consumers		NWP	1612.692	1	Electric	FALSE	FALSE			5.5	False	2009	50	Storage	2005-2011
24536	09187	Idaho Falls		NWP	1192.465	1	Electric	FALSE	FALSE			4.5	False	2002	50	Storage	2001-2005
24540	05327	Douglas		NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	2010	52	Storage	2005-2011
24540	05327	Douglas		NWP	1612.692	1	Electric	FALSE	General			4.5	False		50	Storage	Unknown
24547	23586	Vigilante		NWP	1144.679	1	Electric	FALSE	FALSE			4.5	False	2001	40	Storage	2001-2005
24550	14354	PacificCorp	NW Natural	IOU	8264.945	1	Gas	FALSE	FALSE	40000		False	2009	40	Storage	2005-2011	
24551	12825	Northweste		IOU	2130.886	1	Gas	FALSE	FALSE	199000		False	2007	40	Storage	2005-2011	
24553	14109	Oregon Trail		NWP	1925.059	1	Electric	FALSE	FALSE			4.5	False	2010	55	Storage	2005-2011
24559	12825	Northweste		IOU	2130.886	1	Gas	FALSE	FALSE	40000		False	1999	50	Storage	1996-2000	
24563	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	36000		False	2005	50	Storage	2001-2005	
24572	14668	Peninsula	Puget Sound	NWP	4360.188	1	Electric	FALSE	FALSE			4.5	False	2005	50	Storage	2001-2005
24594	20385	West		NWP	1612.692	1	Electric	FALSE	FALSE			4.5	False	2002	50	Storage	2001-2005
24607	02545	City of	Intermountain	NWP	1192.465	1	Electric	FALSE	FALSE			4.5	False	2010	50	Storage	2005-2011
24614	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	40000		False	2002	50	Storage	2001-2005	
24622	12825	Northweste	Northwestern	IOU	2130.886	1	Gas	FALSE	FALSE	40000		False	2006	38	Storage	2005-2011	
24623	16555	Salem		NWP	1612.692	1	Electric	FALSE	FALSE	40000		4.5	False	1998	50	Storage	1996-2000
24647	10393	PUD No 1 of	NW Natural	NWP	1904.288	1	Gas	FALSE	FALSE	40000		False	2004	40	Storage	2001-2005	
24655	19603	USBA-		NWP	1144.679	1	Electric	FALSE	FALSE			3.5	False	1989	40	Storage	1986-1990
24662	14324	Public		NWP	2079.993	1	Electric	FALSE	FALSE			4.5	False	2007	50	Storage	2005-2011

siteid	utility_id	Electric Utility	Gas Utility	Utility/Type	sw_wt	DWaterheat	WHFuel	SolarWaterheating	WHBrand	HCapacitylb	WHCapacityKW	WHHeatPump	WHManYear	WHTankSize	WaterheaterType	Vintage
24671	12439	Midstate		NWP	1925.059	1	Electric		FALSE		4.5	False	2005	50	Storage	2001-2005
24672	20169	Avista Corp	Avista Energy	IOU	3785.764	1	Gas	FALSE	FALSE	42000	False	False	2007	50	Storage	2005-2011
24684	08699	Inland		NWP	1904.288	1	Electric	FALSE	FALSE		3.8	False	2003	50	Storage	2001-2005
24686	19603	USBA-		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	1986	50	Storage	1986-1990
24689	06716	PUD No 1 of	CNG - Cascade	NWP	1904.288	1	Gas	FALSE	FALSE	40000	False	False	2006	38	Storage	2005-2011
24696	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
24699	07262	Glacier		NWP	1144.679	1	Gas	FALSE	FALSE	35500	False	False	2006	40	Storage	2005-2011
24706	17839	City of		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False			Storage	Unknown
24713	14109	Oregon Trail		NWP	1925.059	1	Electric	FALSE	FALSE		5.5	False	2007	50	Storage	2005-2011
24733	14668	Peninsula		NWP	4360.188	1	Electric	FALSE	FALSE		4.5	False	2008	50	Storage	2005-2011
24765	07262	Glacier		NWP	1144.679	1	Electric	FALSE	FALSE		4.5	False	2008	40	Storage	2005-2011
24770	09191	Idaho	Intermountain	IOU	3785.764	1	Gas	FALSE	FALSE	40000	False	False	2003	40	Storage	2001-2005
24781	03644	PUD No 1 of		NWP	2079.993	1	Propane	FALSE	FALSE	37500	False	False	1995	50	Storage	1991-1995
24785	06149	City of		NWP	1904.288	1	Electric	FALSE	FALSE	75000	False	False	2004	75	Storage	2001-2005
24790	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE	36000	False	False	1995	50	Storage	1991-1995
24795	03660	PUD No 1 of	NW Natural	NWP	2079.993	1	Gas	FALSE	FALSE		4.5	False	2010	50	Storage	2005-2011
24807	03660	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE	40000	False	False	1998	50	Storage	1996-2000
24808	20169	Avista Corp	Avista Energy	IOU	3785.764	1	Gas	FALSE	FALSE		4.5	False	2009	20	Storage	2005-2011
24816	07548	PUD No 1 of		NWP	2079.993	1	Electric	FALSE	FALSE		5.5	False	1995	52	Storage	1991-1995
24826	03264	Central		NWP	1612.692	1	Electric	FALSE	FALSE		4.5	False	1992	50	Storage	1991-1995
24827	26916	Ravalli		NWP	1144.679	1	Gas	FALSE	FALSE	35000	False	False			Storage	Unknown
24833	14354	PacificCorp		IOU	12271.31	1	Electric	FALSE	FALSE		4.5	False	1993	50	Storage	1991-1995
24844	09191	Idaho		IOU	3785.764	1	Electric	FALSE	FALSE		4.5	False	2001	55	Storage	2001-2005
24850	16565	Salmon		NWP	1192.465	1	Electric	FALSE	FALSE		4.5	False			Storage	Unknown
24850	16565	Salmon		NWP	1192.465	1	Electric	FALSE	American		4.5	False	1991	52	Storage	1991-1995
24850	16565	Salmon		NWP	1192.465	1	Electric	FALSE	FALSE		2.5	False			Instantaneous	Unknown
24863	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	FALSE		3.5	False	2004	50	Storage	2001-2005
24863	09191	Idaho	Intermountain	IOU	3785.764	1	Electric	FALSE	Other		3.5	False			Storage	2001-2005
24866	14668	Peninsula	Puget Sound	NWP	4360.188	1	Gas	FALSE	FALSE	36000	False	False	2011	40	Storage	2005-2011

Row Labels	Count of siteid	10 Yr total participatns	% ≥ 75 gallons	% @ ≤ 65 gallons
Electric	854	31136	91%	6%
Instantaneous	9	10586		
Storage	845	639		9659
5	3			
6	1			
7	1			
20	2			
25	2			
30	7			
38	8			
40	67			
45	3			
47	7			
50	565			
52	42			
54	2			
55	27			
60	3			
62	1			
65	30			
66	17			
75	1			
80	41			
82	4			
85	1			
88	1			
100	1			
105	1			
120	1			
(blank)	6			

Row Labels	Count of siteid
Gas	549
	2
(blank)	2
Instantaneous	28
Storage	519
29	1
30	4
34	1
38	6
39	1
40	171
41	1
48	4
50	292
60	4
62	1
65	4
66	1
67	1
72	1
74	2
75	14
80	3
(blank)	7
Grand Total	1403