

WN U-2

Sixth Revision of Sheet No. 107  
Canceling  
Fifth Revision of Sheet No. 107

PUGET SOUND ENERGY  
NATURAL GAS SCHEDULE NO. 7  
Facilities Extension Standards

(T)

**Section 1: Applicability and Definitions**

The following estimates of usage in Sections 2 and 3 along with the special conditions in Section 4 will determine the annual consumption for use in the Facilities Investment Analysis (FIA) when evaluating facility extensions to Customers. The costs in Sections 5 through 7 will determine the costs for use in the FIA. Terms defined in Rule Nos. 2, 7, and 7A of this tariff shall have the same meanings in this Schedule No. 7.

**Section 2: Single Family Residences**

- 1. Space Heating: For single family residences where space heating requirements are met entirely with a gas central heating system, the following tables will be used to estimate annual consumption.

TABLE 7.1: Areas Outside Kittitas County

Sq. ft.	Annual Therms Effect. 5/10/07	Annual Therms Effect. 9/1/07	Sq. Ft.	Annual Therms Effect. 5/10/07	Annual Therms Effect. 9/1/07	(N)
Up to 500		181	2701 - 2800	744	671	(R)
501-600		217	2801 - 2900	752	680	
601-700		254	2901 - 3000	759	690	
701-800	591*	290	3001 - 3100	767	700	
801 - 900	599	326	3101 - 3200	775	710	
901 - 1000	606	362	3201 - 3300	782	719	
1001 - 1100	614	399	3301 - 3400	790	729	
1101 - 1200	622	435	3401 - 3500	798	739	
1201 - 1300	629	471	3501 - 3600	805	749	
1301 - 1400	637	507	3601 - 3700	813	758	
1401 - 1500	645	544	3701 - 3800	821	768	
1501 - 1600	652	553	3801 - 3900	828	778	
1601 - 1700	660	563	3901 - 4000	836	788	
1701 - 1800	668	573	4001 - 4100	844	798	
1801 - 1900	675	583	4101 - 4200	851	807	
1901 - 2000	683	592	4201 - 4300	859	817	
2001 - 2100	691	602	4301 - 4400	867	827	
2101 - 2200	698	612	4401 - 4500	874	837	
2201 - 2300	706	622	4501 - 4600	882	846	
2301 - 2400	714	631	4601 - 4700	890	856	
2401 - 2500	721	641	4701 - 4800	897	866	
2501 - 2600	729	651	4801 - 4900	905	876	
2601 - 2700	737	661	4901 - 5000**	913	885	(N)(R)

\*Up to 800

\*\*For each 100 sq. ft. above 5,000, add 8 therms to annual amount.

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PUGET SOUND ENERGY  
SCHEDULE NO. 7  
Facilities Extension Standards (Continued)

Section 2: Single Family Residences (Continued)

(T)

Table 7.1A For Kittitas County

Sq. ft.	Annual Therms	Sq. Ft.	Annual Therms
Up to 800	729	2901 - 3000	913
801 - 900	737	3001 - 3100	932
901 - 1000	745	3101 - 3200	942
1001 - 1100	753	3201 - 3300	950
1101 - 1200	761	3301 - 3400	960
1201 - 1300	769	3401 - 3500	969
1301 - 1400	777	3501 - 3600	977
1401 - 1500	785	3601 - 3700	987
1501 - 1600	793	3701 - 3800	996
1601 - 1700	801	3801 - 3900	1005
1701 - 1800	809	3901 - 4000	1014
1801 - 1900	817	4001 - 4100	1024
1901 - 2000	825	4101 - 4200	1032
2001 - 2100	833	4201 - 4300	1041
2101 - 2200	841	4301 - 4400	1051
2201 - 2300	849	4401 - 4500	1059
2301 - 2400	859	4501 - 4600	1069
2401 - 2500	867	4601 - 4700	1078
2501 - 2600	877	4701 - 4800	1087
2601 - 2700	886	4801 - 4900	1096
2701 - 2800	895	*4901 - 5000	1106
2801 - 2900	904		

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\*For each 100 sq. ft. above 5000 add 8 therms to the annual amount.

(C)

(Continued on Sheet 107-B)

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PUGET SOUND ENERGY  
NATURAL GAS SCHEDULE NO. 7  
Facilities Extension Standards (Continued) (T)

**Section 2: Single Family Residences (Continued)**

2. Water heating:	<u>Effective 5/10/07</u>	<u>Effective 9/1/07</u>	(N)
	240 therms / year	224 therms / year	(N)(R)
3. Other end uses:	<u>Effective 5/10/07</u>	<u>Effective 9/1/07</u>	(N)
Range	50 therms / year	72 therms / year	(R)
Dryer	49 therms / year	50 therms / year	(I)
Hot tub	65 therms / year	100 therms / year	(I)
Fireplace	107 therms/year	77 therms/year	(N)(R)

**Section 3: Multi-Family Dwellings**

- Space heating: For multi-family dwellings with two, three, or four units, use the values in Table 7.1 or Table 7.1A above for the entire building and then divide by the number of units to yield per unit consumption estimates. If unit size varies greatly, prorate load based on square footage.

For multi-family dwellings with more than four units, use the following factor:  
.26 therms / sq.ft. / year

- Water heating: For all multi-family dwellings, use the following numbers of therms.

Annual therms per unit <u>with laundry</u>	Annual therms per unit <u>without laundry</u>
182	152

- Other end uses: Other end-use consumption estimates for multi-family dwellings will be the same as for single family dwellings.

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PUGET SOUND ENERGY  
SCHEDULE NO. 7  
Facilities Extension Standards (Continued)

**Section 4: Special Conditions**

- 1. Space heating: For permanently installed space heaters (such as wall heaters, room heaters, free-standing stoves, fireplace inserts and fireplace units equipped with a blower or thermostat) therm credit may be given if the Customer commits to using the space heater as the sole source of heat in that area. The square footage to be heated by the appliance must be listed in the "gas usage" section of the residential gas service agreement. Partial space heating load credit will be based on the table or factors above and prorated for the square footage served by the space heater. When therm credit is given for a fireplace as a space heater the fireplace therm credit listed in Section 2, paragraph 3 shall not be given. The total therm credit for space heating uses shall not exceed the sum of the space heating therm credit (table 7.1 or 7.1A) plus one fireplace therm credit. (C)
- 2. Other end uses: No credit will be given for any log lighter, (unless used as a permanently installed space heater as described in 1. above) private residential swimming pools, or residential barbecue grill loads in the Facilities Investment Analysis. (T)
- 3. Commercial and industrial loads: Commercial and industrial loads, other than multi-family domestic use, will be estimated on a case-by-case basis. (T)
- 4. Interruptible loads in Kittitas County: Interruptible service shall be available to Customers that do not take any gas service during the months of October through March, until such time as the Project supply main becomes capacity constrained due to additional build-out.

**Section 5: Standard Costs**

The following table of standard costs is to be used for estimating the cost of facilities extensions. However, non-standard permits, easements, costs imposed by local governmental authorities or other extraordinary costs are not included in the standard costs and should be applied as an adjustment to the following standard costs. Where PSE provides the trench, standard costs include labor, materials, equipment and overheads for (i) excavation or percussion boring, (ii) installation of the main or service pipe necessary to provide service to the Customer(s) being connected, (iii) backfill in accordance to PSE standards, (iv) restoration up to one foot in excess of the trench width, and (v) a standard street use permit. Where the Customer provides the trench, standard costs include labor, materials, equipment and overheads for installation of the main or service pipe necessary to provide service to the Customer(s) being connected. Scope and associated costs in excess of the above standard costs are considered extraordinary costs. Examples of scope changes resulting in extraordinary costs include, but are not limited to, blasting, bridge crossings, or system improvements such as district regulators that are required for the specific Customer. Additionally, facilities extensions utilizing larger than 4" PE pipe or having unusual or complex characteristics may require individual cost estimates. If extraordinary cost items are incurred, a detailed cost breakdown, including the description and cost of each item, will be provided to the Customer. The table of standard costs will be reviewed annually and updated as needed. (C)

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PUGET SOUND ENERGY  
 NATURAL GAS SCHEDULE NO. 7  
 Facilities Extension Standards (Continued)

**Section 5: Standard Costs (Continued)**

TABLE 7.2

Facility Type	Effective 1/1/09		Effective 1/1/10		(C)
	Base Cost	Cost per foot	Base Cost	Cost per foot	
1. Gas Main (up to 4" PE in size)					
With Company provided trench for gas only–		\$46.32		\$42.78	(R)
With Customer provided trench–(*)		\$15.93		\$15.29	(R)
2. Gas Service					
a. Residential Gas Service (any size PE service)					
With Company provided trench for stub and service extension or from existing stub for service extension to meter location.	\$3,242		\$3,479		(I)
With Company provided trench for stub; Customer provided trench or conduit for service extension from stub to meter location.	\$2,228		\$2,341		(I)
With Customer provided trench or conduit from main or from stub to meter location. (**)	\$ 870		\$ 841		(R)
With Customer provided trench or conduit from existing service on contiguous lot for twin services	\$1,879		\$1,887		(I)
b. Commercial Gas Service (up to 4" PE in size)					
The sum of the following charges, as applicable:					
With Company provided trench in right-of-way to private property for stub	\$3,491		\$3,722		(I)
With Company provided trench for service extension from stub to meter location		\$46.26		\$46.45	(I)
With Customer provided trench from either stub or main to meter location.(**)		\$23.07		\$28.81	(I)

\* Includes installation of up to 4" PE main in a customer provided trench on private property within the boundaries of the development.

\*\* If the Customer elects to provide trench from main or stub in the public right-of-way adjacent to the service location, the Customer will be responsible for obtaining the street use permit, all restoration of the trench to local government standards, and insurance and bonding to Company requirements.

(Continued on Sheet No. 107-E)

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PUGET SOUND ENERGY  
 NATURAL GAS SCHEDULE NO. 7  
 Facilities Extension Standards (Continued)

**Section 5: Standard Costs (Continued)**

TABLE 7.2 (Continued)

Facility Type	Effective 1/1/09		Effective 1/1/10		(C)
	Base Cost	Cost per foot	Base Cost	Cost per foot	
3. Meter set assembly					
a. Diaphragm meters					
LP delivery and installed concurrently with a new service and a new riser					
Class 250 meter set assembly	\$ 127		\$ 127		
Class 400 meter set assembly	424		425		(I)
1000 meter set assembly	1,241		1,269		(I)
LP delivery and installed on an existing riser or an existing manifold					
Class 250 meter set assembly	\$ 389		\$ 413		(I)
Class 400 meter set assembly	687		710		
1000 meter set assembly	1,401		1,442		(I)
LP delivery and installed on a new riser					
1400 meter set assembly	\$ 6,328		\$ 6,616		(I)
2300 meter set assembly	8,043		7,762		(R)
IP delivery and installed on a new riser					
1000 meter set assembly	\$ 7,132		\$ 6,408		(R)
LP delivery with a manifold or IP delivery with a manifold					
1000 meter set assembly	Est. Costs		Est. Costs		
1400 meter set assembly	Est. Costs		Est. Costs		
b. Rotary meters					
LP delivery and installed on a new riser					
3000 meter set assembly	\$ 7,872		\$ 6,072		(R)
5000 meter set assembly	7,341		7,072		
7000 meter set assembly	8,178		7,579		(R)
11000 meter set assembly	9,908		11,406		(I)
16000 meter set assembly	14,976		15,145		(I)
IP delivery and installed on a new riser					
3000 meter set assembly	\$ 9,754		\$ 7,482		(R)
5000 meter set assembly	9,222		8,482		
7000 meter set assembly	10,060		8,990		(R)
11000 meter set assembly	11,790		12,816		(I)
16000 meter set assembly	18,061		17,862		(R)

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PUGET SOUND ENERGY  
 NATURAL GAS SCHEDULE NO. 7  
 Facilities Extension Standards (Continued)

**Section 5: Standard Costs (Continued)**

TABLE 7.2 (Continued)

Facility Type	Effective 11/1/09		Effective 1/1/10		(C)(C)
	Base Cost	Cost per foot	Base Cost	Cost per foot	
Meter set assembly (Continued)					
LP delivery with a manifold or IP delivery with a manifold	Est. Costs		Est. Costs		
3000 meter set assembly	Est. Costs		Est. Costs		
5000 meter set assembly	Est. Costs		Est. Costs		
7000 meter set assembly	Est. Costs		Est. Costs		
11000 meter set assembly	Est. Costs		Est. Costs		
16000 meter set assembly	Est. Costs		Est. Costs		
c. Turbine Meters	Est. Costs		Est. Costs		
4. Miscellaneous					
a. Residential meter relocation (Base cost includes first 25' or less)*					
With Customer provided trench	\$ 1,136	\$ 33.09	\$ 1,221	\$ 31.09	(I)(R)
With Company provided trench	1,488	34.21	1,622	32.26	(I)(R)
Cut & reset riser only (no additional service line)	1,136		1,221		(I)
*The maximum construction cost for residential meter relocation	\$ 3,242		\$ 3,242		
b. Commercial/Industrial meter relocation	Est. Costs		Est. Costs		
c. Excess Flow Valve Installation on an existing service	Est. Costs		Est. Costs		
d. Guard posts installed concurrently with a new service, per service or manifold					(N)
2.5" Posts	\$250		\$250		
4" Posts	\$303		\$303		(N)

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PUGET SOUND ENERGY  
 NATURAL GAS SCHEDULE NO. 7  
 Facilities Extension Standards (Continued)

**Section 6: Operation and Maintenance Expense**

The following standard operation and maintenance expense costs shall be used for input into the Facilities Investment Analysis.

	<u>Effective 9/1/07</u> <u>Annual cost per customer</u>	<u>Effective 1/1/09</u> <u>Annual cost per customer</u>	
<u>Residential</u> – Schedules 23 & 53	\$ 48.00	\$ 56.00	(M)
<u>Commercial/Industrial</u>			(C)
Schedules 31, 36 & 51	125.00	167.00	(I)
Schedule 41	390.00	511.00	(D)
Schedule 85, 85T, 87 & 87T	4,581.00	7,233.00	(C)
Schedule 86	347.00	415.00	(I)
Schedule 31T		1,835	(M)(C)(N)
Schedule 41T		1,971	(N)
Schedule 86T		1,320	(N)

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