

**BEFORE THE WASHINGTON  
UTILITIES & TRANSPORTATION COMMISSION**

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION,

Complainant,

v.

NORTHWEST NATURAL GAS COMPANY,

Respondent.

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DOCKET UG-181053

**SCOTT J. RUBIN ON BEHALF OF PUBLIC COUNSEL**

**EXHIBIT SJR-11**

Capital Cost for Adding New Residential

JULY 3, 2019

**Capital cost for adding new residential customer**

	Mainline Expansion		New Residential		Residential Conversion	
	System	Residential	SM02	SM03	SM02	SM03
2013 Cost	\$ 599,910	\$ 116,522	\$ 1,361,049	\$ 160,118	\$ 321,888	\$ 9,621
2013 Customers	67	14	1,252	87	142	9
2013 Cost per Customer	\$ 8,954	\$ 8,323	\$ 1,087	\$ 1,840	\$ 2,267	\$ 1,069
2014 Cost	\$ 703,536	\$ 163,181	\$ 1,520,155	\$ 33,882	\$ 302,164	\$ 15,251
2014 Customers	90	11	1296	19	131	9
2014 Cost per Customer	\$ 7,817	\$ 14,835	\$ 1,173	\$ 1,783	\$ 2,307	\$ 1,695
2015 Cost	\$ 1,083,402	\$ 228,429	\$ 1,755,277	\$ 38,666	\$ 320,087	\$ 134,639
2015 Customers	118	14	1527	26	138	82
2015 Cost per Customer	\$ 9,181	\$ 16,316	\$ 1,149	\$ 1,487	\$ 2,319	\$ 1,642
2016 Cost	\$ 1,539,033	\$ 209,634	\$ 2,211,777	\$ 28,623	\$ 297,978	\$ 4,782
2016 Customers	128	8	1885	22	154	3
2016 Cost per Customer	\$ 12,024	\$ 26,204	\$ 1,173	\$ 1,301	\$ 1,935	\$ 1,594
2017 Cost	\$ 1,756,561	\$ 638,111	\$ 2,605,365	\$ 60,668	\$ 402,697	\$ 37,251
2017 Customers	160	30	2181	33	176	15
2017 Cost per Customer	\$ 10,979	\$ 21,270	\$ 1,195	\$ 1,838	\$ 2,288	\$ 2,483
2018 Cost	\$ 2,337,803	\$ 1,203,996	\$ 2,831,076	\$ 49,315	\$ 405,272	\$ 53,041
2018 Customers	177	20	2355	43	144	9
2018 Cost per Customer	\$ 13,208	\$ 60,200	\$ 1,202	\$ 1,147	\$ 2,814	\$ 5,893
Average Cost per Customer	\$ 10,838	\$ 26,390	\$ 1,170	\$ 1,614	\$ 2,316	\$ 2,005

Avg. Cost New & Conversion	
2013	\$ 1,243.41
2014	\$ 1,286.22
2015	\$ 1,268.29
2016	\$ 1,232.15
2017	\$ 1,291.47
2018	\$ 1,308.78