

### 8.2.4 Elevation, Local Pressure and Appliance Adjustment Data for PSCo Service Territory

Tables Table: 8.2.3 Elevation, Local Pressure and Appliance Adjustment Data For PSCo Service Territory on page 496 thru Table: 8.2.7 Elevation, Local Pressure and Appliance Adjustment Data For PSCo Service Territory on page 503 indicate the elevation, the local atmospheric pressure (psia), the local pressure base (psia), the derate factor, the heating value (Btu/cf) and the specific gravity for each location in the PSCo service territory.

The listed local pressure bases are not to be used for billing purposes. Existing gas sales and gas purchase contracts which specify a local pressure base take priority over the local pressure bases listed.

**Table: 8.2.3 Elevation, Local Pressure and Appliance Adjustment Data For PSCo Service Territory**

Location	Elevation (ft)	Derate Factor	P <sub>a</sub> – Local Atmospheric Pressure (psia)	P <sub>loc</sub> – Local Metering Pressure (psia)	Btu Zone	As Delivered Heating Value (Btu/cf) @ P <sub>loc</sub>	Specific Gravity
Alamosa	7,544	0.70	11.19	11.41	Southern	771	0.60
Antonito	7,888	0.68	11.05	11.27	Southern	762	0.60
Arvada	5,337	0.79	12.12	12.34	Denver	827	0.67
Atwood	3,990	0.84	12.72	12.94	Sterling	917	0.65
Ault	4,940	xx	12.29	12.51	Northern	xx	xx
Aurora	5,342	0.79	12.12	12.34	Denver	827	0.67
Avon	7,430	0.70	11.23	11.45	Rifle-Vail	829	0.65
Avondale	4,500	0.82	12.49	12.71	Pueblo	852	0.67
Avondale North	4,510	0.82	12.49	12.71	Pueblo	852	0.67
Bayfield	6,900	xx	11.45	11.67	Bayfield	xx	xx
Beaver Creek	8,300	0.67	10.89	11.11	Rifle-Vail	804	0.65
Bellvue	5,120	0.80	12.21	12.43	Northern	875	0.61
Bergen Park	7,791	0.69	11.09	11.31	Denver	758	0.67
Berthoud	5,030	0.80	12.25	12.47	Northern	877	0.61
Big Horn	8,460	0.66	10.82	11.04	Mountain	741	0.67
Black Hawk	8,042	0.68	10.99	11.21	Denver	752	0.67
Blue River	10,000	0.60	10.24	10.46	Mountain	701	0.67

Location	Elevation (ft)	Derate Factor	P <sub>a</sub> – Local Atmospheric Pressure (psia)	P <sub>loc</sub> – Local Metering Pressure (psia)	Btu Zone	As Delivered Heating Value (Btu/cf) @ P <sub>loc</sub>	Specific Gravity
Boone	4,500	0.82	12.49	12.71	Pueblo	852	0.67
Boulder	5,430	0.78	12.08	12.30	Denver	825	0.67
Bow Mar	5,500	0.78	12.05	12.27	Denver	823	0.67
Breckenridge	9,603	0.62	10.39	10.61	Mountain	711	0.67
Brighton	4,982	0.80	12.27	12.49	Northern	879	0.61
Broomfield	5,420	0.78	12.08	12.30	Denver	825	0.67
Brush	4,231	0.83	12.61	12.83	Brush	954	0.67
Buena Vista	7,954	xx	11.02	11.24	Southern	xx	xx
Cameo	4,820	0.81	12.35	12.57	Grand Junction	875	0.65
Campion	5,120	0.80	12.21	12.43	Northern	875	0.61
Canfield	5,015	0.80	12.26	12.48	Northern	878	0.61
Capulin	7,810	0.69	11.08	11.30	Southern	764	0.60
Castle Rock	6,210	0.75	11.74	11.96	Denver	841	0.67
Cathedral Bluffs	7,900	xx	11.05	11.27	Rangely	xx	xx
Centennial	5,841	0.77	11.90	12.12	Denver	813	0.67
Center	7,645	0.69	11.15	11.37	Southern	768	0.60
Central City	8,496	0.66	10.81	11.03	Denver	740	0.67
Cherry Hills Village	5,381	0.78	12.10	12.32	Denver	826	0.67
Clifton	4,710	0.81	12.40	12.62	Grand Junction	879	0.65
Climax	11,320	0.55	9.76	9.98	Mountain	669	0.67
Coal Creek	7,988	0.68	11.01	11.23	Denver	753	0.67
Cody Park	7,400	0.70	11.25	11.47	Denver	769	0.67

Xcel Energy is not the local distribution company for locations that have "xx" in the Derate Factor, Heating Value at P<sub>loc</sub> and Specific Gravity columns.

**Table: 8.2.4 Elevation, Local Pressure and Appliance Adjustment Data For PSCo Service Territory**

Location	Elevation (ft)	Derate Factor	$P_a$ – Local Atmospheric Pressure (psia)	$P_{loc}$ – Local Metering Pressure (psia)	Btu Zone	As Delivered Heating Value (Btu/cf) @ $P_{loc}$	Specific Gravity
Columbine Valley	5,280	0.79	12.14	12.36	Denver	829	0.67
Commerce City	5,150	0.79	12.20	12.42	Denver	833	0.67
Conejos	7,800	0.69	11.09	11.31	Southern	764	0.60
Conifer	8,270	0.67	10.90	11.12	Denver	746	0.67
Copper Mountain	9,680	0.61	10.36	10.58	Mountain	709	0.67
Craig	6,185	xx	11.75	11.97	Greasewood	xx	xx
Crested Butte	8,885	xx	10.66	10.88	Southern	xx	xx
DeBeque	4,935	0.80	12.29	12.51	Rifle-Vail	931	0.62
Del Norte	7,874	0.69	11.06	11.28	Southern	762	0.60
Denver Int'l Airport	5,431	0.78	12.08	12.30	Northern	865	0.61
Denver-Metro	5,280	0.79	12.14	12.36	Denver	829	0.67
Dillon	9,156	0.63	10.55	10.77	Mountain	723	0.67
Downieville	8,000	0.68	11.01	11.23	Denver	753	0.67
Dumont	7,950	0.68	11.03	11.25	Denver	754	0.67
Dupont	5,110	0.80	12.22	12.44	Denver	834	0.67
Eastlake	5,270	0.79	12.15	12.37	Denver	829	0.67
Eaton	4,839	xx	12.34	12.56	Northern	xx	xx
Edgewater	5,355	0.79	12.11	12.33	Denver	827	0.67
Eldora	8,700	0.65	10.73	10.95	Mountain	734	0.67
Eldorado Springs	5,750	0.77	11.94	12.16	Mountain	815	0.67
Empire	8,601	0.66	10.77	10.99	Denver	737	0.67
Englewood	5,306	0.79	12.13	12.35	Denver	828	0.67
Erie	5,038	0.80	12.25	12.47	Northern	877	0.61
Estes Park	7,522	0.70	11.20	11.42	Northern	803	0.61

Location	Elevation (ft)	Derate Factor	$P_a$ – Local Atmospheric Pressure (psia)	$P_{loc}$ – Local Metering Pressure (psia)	Btu Zone	As Delivered Heating Value (Btu/cf) @ $P_{loc}$	Specific Gravity
Evergreen	7,040	0.72	11.39	11.61	Denver	779	0.67
Federal Heights	5,535	0.78	12.03	12.25	Denver	822	0.67
Fort Collins	4,984	0.80	12.27	12.49	Northern	879	0.61
Fort Lupton	4,914	0.80	12.30	12.52	Northern	881	0.61
Fort Morgan	4,330	0.83	12.57	12.79	Brush	951	0.67
Foxfield	5750	0.77	11.94	12.16	Denver	815	0.67
Fraser	8,550	0.66	10.79	11.01	Mountain	738	0.67
Fremont Pass	11,318	xx	9.76	9.98	Mountain	xx	xx
Frisco	9,097	0.64	10.58	10.80	Mountain	724	0.67
Front Range Airport	5,450	0.78	12.07	12.29	Brush	914	0.67
Fruita	4,498	0.82	12.49	12.71	Grand Junction	885	0.65
Fruitvale	4,660	0.81	12.42	12.64	Grand Junction	880	0.65
Garfield	9,550	0.62	10.41	10.63	Southern	718	0.60
Georgetown	8,519	0.66	10.80	11.02	Denver	739	0.67
Gilcrest	4,754	xx	12.38	12.60	Northern	xx	xx
Glendale	5,350	0.79	12.11	12.33	Denver	827	0.67
Golden	5,675	0.77	11.97	12.19	Denver	818	0.67
Granby	7,935	0.68	11.03	11.25	Mountain	755	0.67

**Table: 8.2.5 Elevation, Local Pressure and Appliance Adjustment Data For PSCo Service Territory**

Location	Elevation (ft)	Derate Factor	$P_a$ – Local Atmospheric Pressure (psia)	$P_{loc}$ – Local Metering Pressure (psia)	Btu Zone	As Delivered Heating Value (Btu/cf) @ $P_{loc}$	Specific Gravity
Grand Junction	4,586	0.82	12.45	12.67	Grand Junction	882	0.65

Location	Elevation (ft)	Derate Factor	P <sub>a</sub> – Local Atmospheric Pressure (psia)	P <sub>loc</sub> – Local Metering Pressure (psia)	Btu Zone	As Delivered Heating Value (Btu/cf) @ P <sub>loc</sub>	Specific Gravity
Grand Lake	8,437	0.66	10.83	11.05	Mountain	741	0.67
Greeley	4,663	xx	12.42	12.64	Northern	xx	xx
Green Valley Ranch	5,410	0.78	12.09	12.31	Northern	866	0.61
Greenwood Village	5,422	0.78	12.08	12.30	Denver	825	0.67
Guadalupe	7,900	0.68	11.05	11.27	Southern	761	0.60
Gun Barrel Green	5,192	0.79	12.18	12.40	Northern	872	0.61
Gunnison	7,703	xx	11.12	11.34	Southern	xx	xx
Hayden	6,336	xx	11.69	11.91	Greasewood	xx	xx
Hazeltine	5,080	0.80	12.23	12.45	Denver	835	0.67
Henderson	5,020	0.80	12.26	12.48	Denver	837	0.67
Hideaway Park	8,800	0.65	10.69	10.91	Mountain	732	0.67
Highlands Ranch	5,724	0.77	11.95	12.17	Denver	816	0.67
Homelake	7,620	0.70	11.16	11.38	Southern	769	0.60
Hot Sulphur Springs	7,670	0.69	11.14	11.36	Mountain	762	0.67
Hudson	5,024	xx	12.26	12.48	Northern	xx	xx
Hygiene	5,090	0.80	12.23	12.45	Northern	875	0.61
Idaho Springs	7,540	0.70	11.19	11.41	Denver	765	0.67
Idledale	6,460	0.74	11.64	11.86	Denver	795	0.67
Indian Hills	6,840	0.73	11.48	11.70	Denver	784	0.67
Johnstown	4,820	0.81	12.35	12.57	Northern	884	0.61
Keensburg	4,958	xx	12.28	12.50	Northern	xx	xx
Kersey	4,617	xx	12.44	12.66	Northern	xx	xx
Keystone	9,200	0.63	10.54	10.76	Mountain	722	0.67
Kittridge	6,810	0.73	11.49	11.71	Denver	785	0.67
Kremmling	7,364	0.71	11.26	11.48	Mountain	770	0.67

Location	Elevation (ft)	Derate Factor	P <sub>a</sub> – Local Atmospheric Pressure (psia)	P <sub>loc</sub> – Local Metering Pressure (psia)	Btu Zone	As Delivered Heating Value (Btu/cf) @ P <sub>loc</sub>	Specific Gravity
Lafayette	5,237	0.79	12.16	12.38	Denver	830	0.67
LaJara	7,602	0.70	11.16	11.38	Southern	769	0.60
Lakewood	5,440	0.78	12.07	12.29	Denver	824	0.67
LaPorte	5,060	0.80	12.24	12.46	Northern	876	0.61
LaSalle	4,676	xx	12.41	12.63	Northern	xx	xx
Lawson	8,120	0.68	10.96	11.18	Denver	750	0.67
Leadville	10,152	0.59	10.18	10.40	Mountain	698	0.67
Leyden	5,650	0.77	11.98	12.20	Denver	818	0.67
Littleton	5,362	0.79	12.11	12.33	Denver	827	0.67
Lochbuie	4,980	0.80	12.27	12.49	Northern	879	0.61
Log Lane Village	4,330	0.83	12.57	12.79	Brush	951	0.67
Loma	4,510	0.82	12.49	12.71	Grand Junction	885	0.65
LoneTree	5,900	0.76	11.87	12.09	Denver	811	0.67
Longmont	4,979	0.80	12.28	12.50	Northern	879	0.61
Lookout Mountain	7,374	0.71	11.26	11.48	Denver	770	0.67
Louisville	5,350	0.79	12.11	12.33	Denver	827	0.67
Louviers	5,680	0.77	11.97	12.19	Denver	817	0.67

**Table: 8.2.6 Elevation, Local Pressure and Appliance Adjustment Data For PSCo Service Territory**

Location	Elevation (ft)	Derate Factor	P <sub>a</sub> – Local Atmospheric Pressure (psia)	P <sub>loc</sub> – Local Metering Pressure (psia)	Btu Zone	As Delivered Heating Value (Btu/cf) @ P <sub>loc</sub>	Specific Gravity
Loveland	4,982	0.80	12.27	12.49	Northern	879	0.61
Lucerne	4,749	xx	12.38	12.60	Northern	xx	xx

Location	Elevation (ft)	Derate Factor	$P_a$ – Local Atmospheric Pressure (psia)	$P_{loc}$ – Local Metering Pressure (psia)	Btu Zone	As Delivered Heating Value (Btu/cf) @ $P_{loc}$	Specific Gravity
Lyons	5,374	0.79	12.10	12.32	Northern	867	0.61
Manassa	7,683	0.69	11.13	11.35	Southern	767	0.60
Mead	5,140	0.79	12.20	12.42	Northern	874	0.61
Meeker	6,249	xx	11.72	11.94	Greasewood	xx	xx
Merino	4,035	0.84	12.70	12.92	Merino	992	0.67
Milliken	4,760	0.81	12.37	12.59	Northern	886	0.61
Milner	6,530	xx	11.61	11.83	Greasewood	xx	xx
Minturn	7,817	0.69	11.08	11.30	Rifle-Vail	817	0.65
Monte Vista	7,663	0.69	11.14	11.36	Southern	768	0.60
Montezuma	10,280	0.59	10.13	10.35	Mountain	694	0.67
Morgan Heights	4,330	0.83	12.57	12.79	Brush	951	0.67
Morrison	5,800	0.77	11.92	12.14	Denver	814	0.67
Mount Vernon	7,413	0.70	11.24	11.46	Denver	769	0.67
Mountain View	5,385	0.78	12.10	12.32	Denver	826	0.67
Nathrop	7,690	xx	11.13	11.35	Southern	xx	xx
Nederland	8,236	0.67	10.91	11.13	Mountain	747	0.67
New Castle	5,550	0.78	12.02	12.24	Rifle-Vail	902	0.62
Niwot	5,090	0.80	12.23	12.45	Northern	875	0.61
Northglenn	5,460	0.78	12.06	12.28	Denver	824	0.67
Nunn	5,185	xx	12.18	12.40	Northern	xx	xx
Orchard Mesa	4,650	0.81	12.42	12.64	Grand Junction	880	0.65
Pagosa Springs	7,079	xx	11.38	11.60	Southern	xx	xx
Palisade	4,727	0.81	12.39	12.61	Grand Junction	878	0.65
Parachute	5,095	0.80	12.22	12.44	Rifle-Vail	926	0.62

Location	Elevation (ft)	Derate Factor	P <sub>a</sub> – Local Atmospheric Pressure (psia)	P <sub>loc</sub> – Local Metering Pressure (psia)	Btu Zone	As Delivered Heating Value (Btu/cf) @ P <sub>loc</sub>	Specific Gravity
Parker	5,870	0.77	11.89	12.11	Denver	812	0.67
Parshall	7,560	0.70	11.18	11.40	Mountain	765	0.67
Pierce	5,035	xx	12.25	12.47	Northern	xx	xx
Pine	6,754	0.73	11.51	11.73	Denver	787	0.67
Platteville	4,820	xx	12.35	12.57	Northern	xx	xx
Poncha Springs	7,469	xx	11.22	11.44	Southern	xx	xx
Prospect Valley	4,840	xx	12.34	12.56	Northern	xx	xx
Pueblo	4,695	0.81	12.40	12.62	Pueblo	847	0.67
Rangely	5,224	xx	12.17	12.39	Rangely	xx	xx
Red Cliff	8,750	0.65	10.71	10.93	Mountain	733	0.67
Richfield	7,590	0.70	11.17	11.39	Southern	770	0.60
Rifle	5,345	0.79	12.11	12.33	Rifle-Vail	909	0.62
Rio Blanco	7,250	xx	11.31	11.53	Rifle-Vail	xx	xx

Table: 8.2.7 Elevation, Local Pressure and Appliance Adjustment Data For PSCo Service Territory

Location	Elevation (ft)	Derate Factor	P <sub>a</sub> – Local Atmospheric Pressure (psia)	P <sub>loc</sub> – Local Metering Pressure (psia)	Btu Zone	As Delivered	Specific Gravity
Roggen	4,700	xx	12.40	12.62	Northern	xx	xx
Romeo	7,750	0.69	11.11	11.33	Southern	765	0.60
Russell Gulch	9,140	0.63	10.56	10.78	Denver	723	0.67
Saguache	7,697	0.69	11.13	11.35	Southern	767	0.60
Salida	7,036	xx	11.40	11.62	Southern	xx	xx



Location	Elevation (ft)	Derate Factor	$P_a$ – Local Atmospheric Pressure (psia)	$P_{loc}$ – Local Metering Pressure (psia)	Btu Zone	As Delivered	Specific
Sanford	7,560	0.70	11.18	11.40	Southern	770	0.60
Sargents	7,920	0.68	11.04	11.26	Southern	761	0.60
Sedalia	5,860	0.77	11.89	12.11	Denver	812	0.67
Severance	4,890	0.80	12.31	12.53	Northern	882	0.61
Sheridan	5,307	0.79	12.13	12.35	Denver	828	0.67
Silt	5,432	0.78	12.08	12.30	Rifle-Vail	906	0.62
Silver Plume	9,118	0.64	10.57	10.79	Denver	724	0.67
Silverthorne	8,790	0.65	10.70	10.92	Mountain	732	0.67
Steamboat	6,695	xx	11.54	11.76	Greasewood	xx	xx
Sterling	3,935	0.84	12.75	12.97	Sterling	919	0.65
Summit Pass	11,840	xx	9.58	9.80	Southern	xx	xx
Summitville	11,250	xx	9.79	10.01	Southern	xx	xx
Superior	5,512	0.78	12.04	12.26	Denver	822	0.67
Tabernash	8,320	0.67	10.88	11.10	Mountain	744	0.67
Thornton	5,268	0.79	12.15	12.37	Denver	829	0.67
Timnath	4,877	0.80	12.32	12.54	Northern	882	0.61
Vail	8,150	0.67	10.95	11.17	Rifle-Vail	808	0.65
Vineland	4,640	0.81	12.43	12.65	Pueblo	848	0.67
Wah Keeney Park	7,400	0.70	11.25	11.47	Denver	769	0.67
Weldona	4,340	0.83	12.56	12.78	Brush	951	0.67
Wellington	5,201	0.79	12.18	12.40	Northern	872	0.61
West Vail	8,000	0.68	11.01	11.23	Rifle-Vail	812	0.65
Westminster	5,280	0.79	12.14	12.36	Denver	829	0.67
Wheat Ridge	5,445	0.78	12.07	12.29	Denver	824	0.67
Wiggins	4,540	0.82	12.47	12.69	Northern	893	0.61

Location	Elevation (ft)	Derate Factor	$P_a$ – Local Atmospheric Pressure (psia)	$P_{loc}$ – Local Metering Pressure (psia)	Btu Zone	As Delivered	Specific
Windsor	4,800	0.81	12.35	12.57	Northern	885	0.61
Winter Park	9,110	0.64	10.57	10.79	Mountain	724	0.67

Figure: 8.2.1 Pounds of Gas Pressure

Inches of Water Column	Table 8.28 Pounds of Gas Pressure	Ounces of Gas Pressure
2		1.18
4		2.31
6		3.47
6.92	1/4	4
8		4.62
10		5.78
12		6.94
13.84	1/2	8
14		8.09
16		9.25
18		10.40
20		11.56
20.76	3/4	12
22		12.72
24		13.87
26		15.03
27.68	1	16
28		16.18
30		17.34
32		18.50
34		19.65
34.60	1 1/4	20
36		20.81
38		21.96
40		23.12
41.52	1 1/2	24
42		24.28
44		25.43
46		26.59
48		27.75
48.44	1 3/4	28
50		28.90
52		30.06
54		31.21
55.36	2	32
56		32.37
58		33.53
60		34.68
62		35.84
62.28	2 1/4	36
64		36.99
66		38.15
68		39.31
69.20	2 1/2	40
70		40.46
72		41.62
74		42.77
76		43.93
76.12	2 3/4	44
78		45.09
80		46.24
82		47.40
83.04	3	48
84		48.55
86		49.71
88		50.87
89.96	3 1/4	52
90		52.02
92		53.18
94		54.33
96		55.49
96.28	3 1/2	56
98		56.65
100		57.80

**To Convert :**

Multiply: Ounces x 1.73 = Inches w.c.

Divide: Ounces/16 = Pounds/in<sup>2</sup>

Multiply: Inches w.c. x 0.5781 = Ounces/in<sup>2</sup>

Multiply: Inches w.c. x 0.03613 = Pounds/in<sup>2</sup>

