

**CLACKAMAS COUNTY GROUND SNOW LOADS AND
ROOF SNOW LOADS**

ELEVATION (feet)Site Elevation to be rounded up to the nearest foot	MINIMUM DESIGN GROUND SNOW LOAD Pg FROM OSSC SNOW LOAD MAP ¹ (pounds per square foot)	MINIMUM DESIGN FLAT ROOF SNOW LOAD ² (Pf= 0.70x Pg) AND SLOPED ROOF SNOW LOAD ³ (Ps=1.0xPf) (pounds per square foot)
0 to 799	33	25 ⁴
800 to 899	38	27
900 to 999	41	29
1,000 to 1,099	45	32
1,100 to 1,199	50	35
1,200 to 1,299	54	38
1,300 to 1,399	58	41
1,400 to 1,499	63	44
1,500 to 1,599	68	48
1,600 to 1,699	74	52
1,700 to 1,799	80	56
1,800 to 1,899	86	60
1,900 to 1,999	93	65
2,000 to 2,099	101	71
2,100 to 2,199	109	76
2,200 to 2,299	116	81
2,300 to 2,399	122	85
2,400 to 2,499	131	92
2,500 to 2,599	140	98
2,600 to 2,699	148	104
2,700 to 2,799	157	110
2,800 to 2,899	166	116
2,900 to 2,999	175	122
3,000 to 3,099	186	130
3,100 to 3,199	195	136
3,200 to 3,299	205	143
3,300 to 3,399	216	151
3,400 to 3,499	228	160
3,500 to 3,599	240	168
3,600 to 3,699	248	174
3,700 to 3,799	263	184
3,800 to 3,899	275	192

3,900 to 3,999	288	202
4,000 to 4,099	300	210
4,100 to 4,199	312	218
4,200 to 4,299	325	227
4,300 to 4,399	340	238
4,400 to 4,499	351	246
4,500 to 4,599	369	258
4,600 to 4,699	385	269
4,700 to 4,799	400	280
4,800 to 4,899	420	294
4,900 to 4,999	440	308
5,000 to 5,099	456	319
5,100 to 5,199	480	336
5,200 to 5,299	500	350
5,300 to 5,399	530	371
5,400 to 5,499	550	385
5,500 to 5,599	580	406
5,600 to 5,699	608	426
5,700 to 5,799	640	448
5,800 to 5,899	680	476

FOOT-NOTES:

¹ In regions where the ground snow load is greater than 70 psf, Oregon Residential Specialty Code (ORSC) regulated structures can-not use the ORSC prescriptive construction provisions and are required to be engineered for which the design values for ground and roof snow loads can be taken from this table.

² Flat roof snow loads provided here are for occupancy category II heated structures with partially exposed roofs. For conditions other than those, please refer to equation 7-1, and tables 7-2 through 7-4 of the ASCE 7-05 for flat roof snow load calculation.

³ Sloped roof snow loads provided here are for warm roofs with unobstructed slippery surface. For cold roofs and or other types of roof surfaces, please refer to Figure 7-2b through 7-2c, and equation 7-2 of the ASCE 7-05 for sloped roof snow load calculation.

⁴ Minimum design *flat roof snow load* and *sloped roof snow load* is 25 psf per 2007 OSSC Section 1608.1.