



# Ground Thaw Heaters



**Gravel**



**Sand**



**Clay**



**Silt**

5 to 7 lbs. of Ice Per cu. Ft.	14 to 18 lbs. of Ice Per cu. Ft.	16 to 22 lbs. of Ice Per cu. Ft.	15 to 52 lbs. of Ice Per cu. Ft.
Up to 1,000 BTU required to melt ice	Up to 2,500 BTU required to melt ice	Up to 3,100 BTU required to melt ice	Up to 7,400 BTU required to melt ice

## Thaw Time in Days

Frost Depth	1 ft		2 ft		3 ft		4 ft		5 ft	
	18"	12"	18"	12"	18"	12"	18"	12"	18"	12"
<b>Hose Spacing</b>	18"	12"	18"	12"	18"	12"	18"	12"	18"	12"
<b>Sand</b>	1.0	0.75	2.0	1.5	3.0	2.25	4.5	3.25	6.0	4.5
<b>Gravel</b>	1.0	0.75	2.5	2.0	4.0	3.0	6.0	4.5	8.0	6.0
<b>Clay</b>	1.75	1.25	3.5	2.5	5.5	4.0	8.0	6.0	11.0	8.5
<b>Silt</b>	2.0	1.5	4.5	3.5	7.0	5.5	10.5	7.5	14.0	10.0

1. **Prepare Site:** Scrape snow and ice from the thaw site.
2. **Position Hose:** Closed systems only heat the ground
3. **Place Poly Vapor Barrier:**
  - a. Prevents Heat Loss
  - b. Keeps Soil Moist for Conduction
  - c. Keeps Blankets Clean
4. **Place Conductive Blankets:**

