

ThermaRay Thermal Mass Floor Heating System (Residential Case Study)



Specifications

- Location - Anoka, MN 55303
- Construction - Slab on Grade, 2 x 6 Walls with 9' and 10' Ceilings.
- R-Values - Walls = R19, Ceiling = R38
- Square Footage - 2,500 Sq.Ft.
- Year Built - 2004
- Power Supplier - Connexus Energy
- Electric Program - Off-Peak Storage
- Electric Rate - \$.0467 Per kWh

Heating Season	Kwh Usage	Cost per kWh	Total Cost
2004/2005	14,920	0.031	462.52
2005/2006	13,588	0.031	421.22
2006/2007	14,519	0.031	450.08
2007/2008	16,052	0.035	561.83
2008/2009	15,897	0.035	556.40
2009/2010	14,419	0.035	504.65
2010/2011	16,160	0.0413	667.40
2011/2012	11,735	0.0413	484.64
2012/2013	15,429	0.0413	637.21
2013/2014	17,126	0.0445	762.11
2014/2015	15,069	0.0445	670.58
2015/2016	12,342	0.0445	549.21
2016/2017	12,557	0.0445	558.77
2017/2018	14,771	0.0445	657.30
2018/2019	15,848	0.0467	740.10
2019/2020	14,323	0.0467	668.89
2020/2021	14,129	0.0467	659.84
2021/2022	14,771	0.0467	689.80
2022/2023	14,293	0.0467	667.50