

2006 Minnesota Solar Tour

October 7, 2006

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Michaels Residence

1725 8th Avenue South
St. Cloud, MN

3 kW of solar electric panels produce 2 MWh/year, and a solar thermal system using evacuated tubes pre-heats domestic hot water and provides some supplemental space heating via a heat exchanger in the forced-air return duct and/or through a baseboard loop in the basement.

System Components



- 18 Sharp solar electric panels and inverter
- Grid-connected system with no batteries
- Thermomax thermal collectors
- 400-gallon water storage tank in basement
- Underground "purge" loop to dissipate any excess heat during summer

Directions

From I-94, take St. Augusta exit (first one if coming from Twin Cities) to St. Cloud. Go right and stay on County Road 75 (Roosevelt Road) going north until 22nd Street (4th traffic light). Turn right on 22nd and go 2 blocks to light (Clearwater Road/9th Avenue). Turn left (north) on Clearwater/9th and go 2 blocks. You'll see a small park on the right/east and the site is on the north side. Turn right on 16th Street and head back towards the park, where there is plenty of space to park.

