



# SmartNews



## News Bulletin

SmartRooms ETS (Earth Thermal Storage System)  
VS.

Electric Hydronic Boiler System (Hot Water Tubing)

**SmartRooms Saves Over 55% per year**

Case study involves identical buildings directly across the street from each other.  
Building #1 - Installed SmartRooms ETS Heating Panels 8” below the concrete slab - No insulation.  
Building #2 - Installed tubing placed directly below the concrete slab on 2” of styrofoam insulation



### SmartRooms ETS Specifications

- **4,000 Sq.Ft. Senior Living 4-Plex**
- **Installation Time - 8 Hours**
- **Electric Rate - \$.05/Kwh**
- **No Maintenance**
- **Minimal Mechanical Room Space**
- **Kwh Used - 27,074**
- **Total Cost To Operate - \$1,353.70**

### Hydronic Tubing Specifications

- **4,000 Sq.Ft. Senior Living 4-Plex**
- **Installation Time - 32 Hours**
- **Electric Rate - \$.05/Kwh**
- **Yearly Maintenance and Repair**
- **Considerable Mechanical Room Space**
- **Kwh Used - 60,365**
- **Total Cost To Operate - \$3,018.25**

**SmartRooms**

Thermal Comfort Systems  
by *Therma-Ray, Inc.*



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