

# ELECTRIC THERMAL STORAGE HEATING

QUIET, AFFORDABLE, CLEAN & COMFORTABLE

## WHAT IS ELECTRIC THERMAL STORAGE, HEATING OR ETS?

ETS is a relatively new electric heating concept in the USA. It has been used successfully in Europe for over twenty years. ETS works like a thermos bottle, allowing the storage of heat until it is needed. The electric thermal storage unit is charged (heated) with low cost, off-peak electricity, then releases this stored heat whenever needed to maintain the level of comfort you desire.

- It is safe, clean, efficient and comfortable. It can be used to heat one particular room, or if properly designed, to heat the entire home.
- Homes that are equipped with the ETS System will have a second meter installed to record the kWh used by the heating system.

## HOW DOES ETS WORK?

- Ceramic bricks, with high heat retention characteristics are the basic components of electric thermal storage units.
- The heat storage bricks surround electric heating elements. When the system is energized with electricity, the heating elements produce enough heat to warm the home during this period and allow enough heat to be stored for use until the next off-peak energizing period.



(diagram on back)

**YES!**



## IS ETS FOR ME?

Whether you are building a new home, improving the efficiency and comfort of your present heating system, tired of cutting wood, or planning an addition to your home. ETS units can be applied successfully to any situation where you want clean, comfortable, dependable and affordable home heating.

**YES!**



## IS FINANCIAL ASSISTANCE AVAILABLE?

Bedford REC will give its members, who install ETS in an approved fashion, a rebate of \$75.00 per kilowatt of storage capacity up to a maximum of \$750.00 per home.



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## HOW DOES ETS WORK?

1. Special heating elements use off-peak electricity to heat.

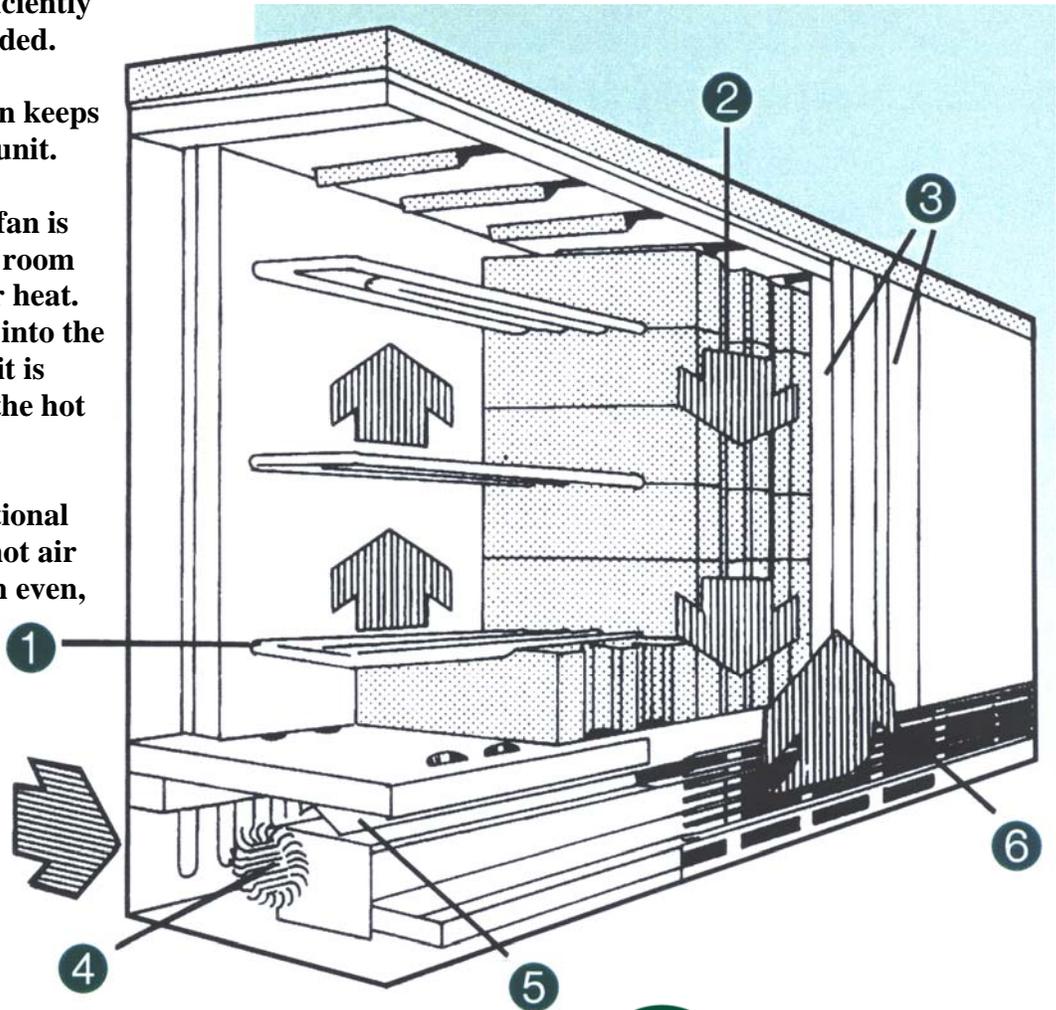
2. Ceramic bricks efficiently store heat until needed.

3. Space age insulation keeps the heat inside the unit.

4. A quiet, low speed fan is activated when the room thermostat calls for heat. Room air is drawn into the unit and heated as it is circulated around the hot bricks.

5. Dampers mix additional room air with the hot air inside to provide an even, comfortable flow of warm air into the room.

6. The air discharge grille is at the bottom of the unit.



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