

Homeland Security saves Grid

ROBUR GAS FIRED HEATPUMPS were selected to heat and cool a State Building that houses many critical State Agencies. Homeland Security, the State Police and the Department of Health are located in this building in Hartford, Connecticut.

With all these important services located in the same facility, care was used in selecting a heat and cool unit that would always be ready to supply heating and air-conditioning.

The choice was the **ROBUR** GAS ABSORPTION HEATPUMP, Model GAHP-AR which supplies hot water for heating and chilled water for cooling in addition to these many other benefits:

1. **RENEWABLE ENERGY** -

Because the gas heat pump takes heat from the outside air during the coldest day of winter, removing heat from the air even when outdoor winter temperatures are as low as -20°F. RENEWABLE ENERGY amounts to 34% of the total heating output.

2. **HEATING EFFICIENCY** -

Rated at 126% because the heat pump only requires a gas input of 95,500 B/hr to produce an output of 120,400 B/hr. When the State needs 100,000 B/hr it only has to purchase 79,312 B/hr.

3. **REDUCES ELEC. DEMAND** -

The **ROBUR** GAHP-AR provides the State with an air conditioning unit that reduces demand on the Grid by OVER 80% when compared to a code compliant electric air conditioner, 0.75 kW for a nominal 5-ton unit.

