



Case Study: Green Island Contracting

Owner: Green Island Contracting, Stan & Chris DiStefano, Owners

Builder: Machnick Builders, Ltd., Robert W. Becker, Vice President

Driller: JD's Pump and Drilling Company, Jim Dwyer, Owner (IGSHPA certified driller)

H.V.A.C. Contractor: Smart-Energy, Harold Rist, Manager (IGSHPA certified installer)

In 1992 Harold Rist of Smart-Energy had supplied some design input as well as the geothermal heating and cooling systems in the new construction of a 12,000 sq.ft. home for Stan & Chris DiStefano in New York's Capital District.

When they began planning the construction of their new 9,000 sq.ft. office and highway equipment repair and maintenance building they again wanted to consider the geothermal option there too.

They chose Robert Becker of Machnick Builders, Ltd. of Green Island as their construction coordinator, due to their reputation for both quality construction and on time projects.

Next, Stan again contacted Harold Rist of Smart-Energy to consider the geothermal option. Harold reviewed plans submitted by Machnick Builders, and together then gave Stan & Chris some options.

Both Stan and Harold contacted Jim Dwyer of JD's Pump & Drilling Company to review the parameters of the required geothermal drilling. Both Stan and Harold had worked with Jim on other geothermal projects in the past.

There were a few major benefits that prompted the DiStefano's to again spend more money up front than any conventional fossil fuel heating, ventilating, and cooling (H.V.A.C.) system would have cost. Some of these benefits are....

Geothermal Systems ...

- Cost less to operate in both heating & cooling - from 30 to 60% less than conventional systems
- Have no outdoor air conditioning condensers subject to the weather, vandalism, or are in public view
- Have no fuel deliveries or fuel storage environmental issues
- Produce no carbon monoxide, carbon dioxide, or hydrocarbons of any kind to pollute our atmosphere

In fact, the savings this geothermal H.V.A.C. system represents over the next 20 years is not drilling, transporting, or burning the equivalent of 2,200 barrels of oil. America thanks Stan & Chris Distefano!



New headquarters of Green Island Contracting, LLC

Invest in your future ... not their fuel company! (or electric utility)

www.smart-nrg.com



Sleeve installation by Jim Dwyer and crew, into one of the two 500 ft geothermal source wells. **Now the permanent fuel tanks!**



WIRSBO geothermal radiant heat in 6,000 sq.ft. maintenance garage



Offices geothermal heating and cooling unit, with 5 zones of control



Boiler equipment room designed by Smart-Energy. Two WaterFurnace geothermal boilers, thermal storage tank, and gas Emergency Backup boiler, as well as all sequencing and automatic setback controls