

Open Meeting
August 22, 2005
3:00 p.m.

Question and Answer Session

Attending: Jane Carol Glendinning, Barbara Mauro, Lil Bertalan, Jeanne Sosnow,
Kevin Baughman, Lynn Lisy-Macan, Matt Bourgeois, The Thomas Group
Architects

1. Talk more about Geothermal?
 - Reduces amount of energy needed to be purchased
 - Uses ground water (55°)
 - More expensive to install
 - Payback needs to be calculated for every building
 - Payback range 5-10 years (well within 18 year payback required by NYS for Performance Contracts)
 - Field of wells – take water out of ground and returns it
 - Still have conventional boilers – will operate less
 - For cooling – do not need chillers & cooling towers
 - Cost of maintaining a geothermal vs. conventional is about 1/3rd.
2. What happens to the condensation in the cooling?
 - Condensation needs to be dealt with in this process by engineers
3. Is there a temperature in the summer to keep moisture down?
 - Systems that don't run systems in the summer will have more mold growth
 - Should run for air movement
 - Keep the temperature below the dew point (wet bulb temperature)
 - The wet bulb temperature is usually substantially higher than the comfortable level for occupants
 - A system if running – will help control the humidity in the building (dehumidify the air) in spring, summer and fall
4. What/when should testing be done on geothermal?
 - Architects are comfortable that there is sufficient ground water
 - Testing will be done later
5. Are there districts that have used geothermal successfully?
 - The architects are developing a list of schools that use geothermal.
6. Replacing windows with shades?
 - Yes
7. Define and enhance main entrances?
 - Paint

- Lighting
- Landscaping
- Signage

8. Do we have to install the elevator?

- Yes – SED is now getting very sticky.

9. With cooling – windows open?

- Cooling would control for humidity, pollen, bees, etc.