Goshen College
Campus

Founded in 1894
At this location for 111 years
We have about 740,000 gsf of building space in 19 major buildings
Our student body comes from all parts of the world. We have a current enrollment of about 850 students. 80% of our students participate in Study Service Term.
**Goshen College Values**

Owned by the Mennonite Church

Commitment to peace and global justice

Out of our core values flows a call for ecological stewardship
Goshen College
Environmental Commitment

Merry Lea Environmental Learning Center
Signatory of the ACUPCC
Ecological Stewardship Committee
Goshen College Electrical Consumption (kWh)
Scheduling and Temperature Setback

- Avoid arbitrary setpoints
Scheduling and Temperature Setback

- Avoid arbitrary setpoints
- No two spaces are identical
Scheduling and Temperature Setback

- Avoid arbitrary setpoints
- No two spaces are identical
- Give occupants ownership in establishing control limits
  - Agree on setpoints
  - Agree on occupancy schedules
Scheduling and Temperature Setback

- Allow local control where there is ownership of the space
Scheduling and Temperature Setback

- Allow local control where there is ownership of the space
- Control setpoints in shared or public spaces
Scheduling and Temperature Setback

- Allow local control where there is ownership of the space
- Control setpoints in shared or public spaces
- Define control zones as tightly as possible
  - Closely define classroom/conference room occupancy
  - When possible treat each room as a separate zone
Scheduling and Temperature Setback

- Allow local control where there is ownership of the space
- Control setpoints in shared or public spaces
- Define control zones as tightly as possible
  - Closely define classroom/conference room occupancy
  - When possible treat each room as a separate zone
- Allow for and train for occupancy override
100 watts
To 23 watts
These lights cost 4¢/hr. Turn off when not needed.

These lights cost 5¢/hr. Turn off when not needed.

These lights cost 7¢/hr. Turn off when not needed.
Components of a VAV System

- Relief fan
- Return air path
- Supply fan
- Central air handler
- Thermostat
- Supply ductwork
- VAV box