

Energy Conservation

For Nexus Energy

Huntsville AL

10/07/09

Commercial HQ Building

- Lighting Retrofit – involved reducing CFL's from 2 to 1 inside fixtures/LED Exit Signs
- Energy Management System
Recommissioning – Optimization of system /
Controls Changes Boiler/Chiller

Totalized Savings of \$34,000 annually in electric and gas consumption

State Park Facility

- Lighting Retrofit – Replaced 100 W INC with 23 W CFL's, Occupancy sensors
 - Negotiated FREE backup Generator from Utility / Rate Analysis/Maint. Agreement
 - Energy Management System Installed
- Scheduling – 24/7 EMS Mgt. person
- Savings of 23% of energy/Redundant power

LEED – EB Federal Building

- Lighting Retrofit – Electronic Ballasts and T8's, CFL's replace 250W metal halides
- Energy Management System
Recommissioning – Real Time Data capture of electric charges
- Water Conservation - .5 GPM aerators, Waterfree Urinals, deduct meters for tower
20% savings on energy, 30% water saved

Environmental Savings

- 80,803,200 pounds of CO₂ Eliminated
- 212 pounds of NO₂ Eliminated
- 422 pounds of SO₂ Eliminated
- 3,367 tons coal not burned
- 4,040 barrels of crude oil not burned
- 10.6 Acres of trees planted
- 5 cars removed from Road

Renewable / Alternatives

- BioDiesel (B20) – utilize mass transit
- Solar – Tax credits from Fed/State/Utility

Encourage Green Generation Partners

- Wind Energy – Buy Green Credits
- GOGREENN – Green Our Generation,

Reduce Energy & Environmental Needs

NOW!!!