Capital Plaza Tower Campus

• 28 Story State Office Building
• 252,000 square feet
• Located in Frankfort, KY

Major Issues
• Obsolete lamp type & atypical fixtures
• Quick payback due to future building demolition
• State of Kentucky wanted the office building to be more energy efficient
• Wanted to reduce the cost of operating the building

Solution
• 6 Year Guaranteed Energy Savings Performance Contract
• Saved the State of Kentucky $164,000 a year
• Retrofitted over 10,000 existing light fixtures with modern technology electronic ballast & T8 Fluorescent lamps
Project Scope

- Energy Efficient Lighting Retrofit
- Lighting Controls
- Agricultural Water Service to reduce sewer charges
- Installation of Variable Frequency Drives for Electric Motors
- Pump & VFD Installation
- Energy Management Control Upgrades
- Replacement & retrofit of plumbing fixtures to modern lower water consuming fixtures
Environmental Overview

Reduced Greenhouse Gas Emissions
- 5,603 million metric tons of carbon equivalents

Equivalent Reductions
- Removing 995 vehicles from the road each year
- Preserving 51.8 acres of trees annually

- Contract #: M-03037393