



*SEMINOLE COUNTY, FLORIDA*







***Energy Conservation  
Update***

**Administrative Services Department**



# ***FY 2007/08 Accomplishments***

## Energy Conservation Policy

-  ***Adopted by County Manager December 2007***
-  ***Establishes standard building temperatures***
-  ***Lighting guidelines***
-  ***IT guidelines***
-  ***Holiday shutdown***
-  ***Energy efficient products***





# ***FY 2007/08 Accomplishments***

- **Energy conservation tips in county newsletter**
- **Information Technology activities**
  - *Monitor Power Management*
  - *Digital Printing/Publishing*
  - *Conference Calling Systems*





# ***FY 2007/08 Accomplishments***

## Energy Management Systems




-  ***County Services Building***
-  ***Public Safety Building***
-  ***Health Department***
-  ***Criminal Justice Center***
-  ***Civil Courthouse***
-  ***Sylvan Lake Park***





# ***FY 2007/08 Accomplishments***

## Facilities Maintenance Accomplishments

-  ***Programmable thermostats installed in the majority of occupied spaces not controlled by EMS systems***
-  ***75% of interior fluorescent lights upgraded to more efficient T-8 system***
-  ***430 Motion sensors installed in offices & restrooms***



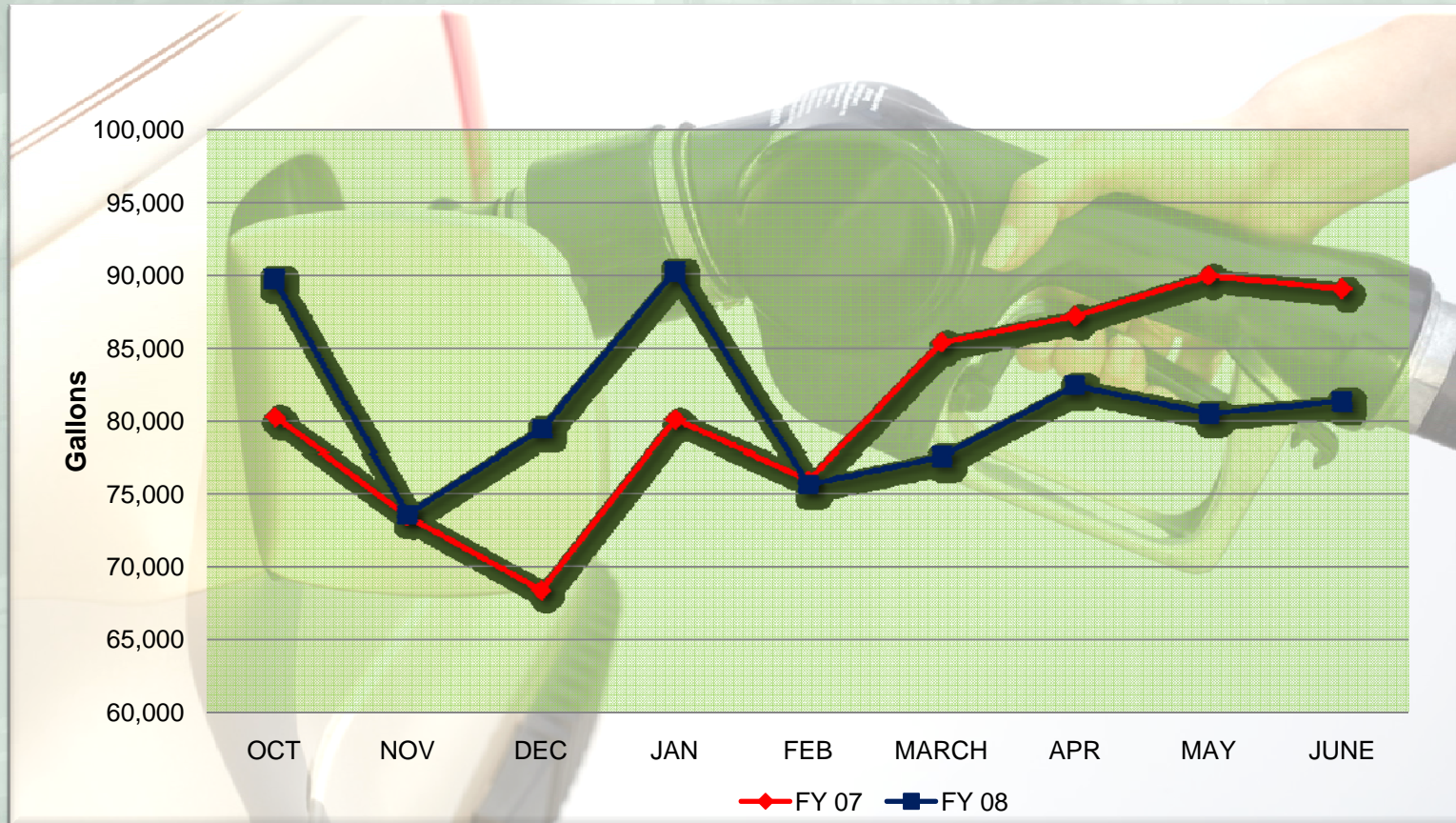
# ***FY 2007/08 Accomplishments***

## Fleet Accomplishments

- ***New Fleet Standards***
  - ➔ **Sedan – Ford Focus**
  - ➔ **Pickup truck – Ford Ranger**
- ***Monthly fuel usage reports provided to departments for review***
- ***Fuel saving recommendations provided to departments***



# Fuel Usage



*Energy Conservation Update  
Administrative Services*



# ***Electrical Consumption***

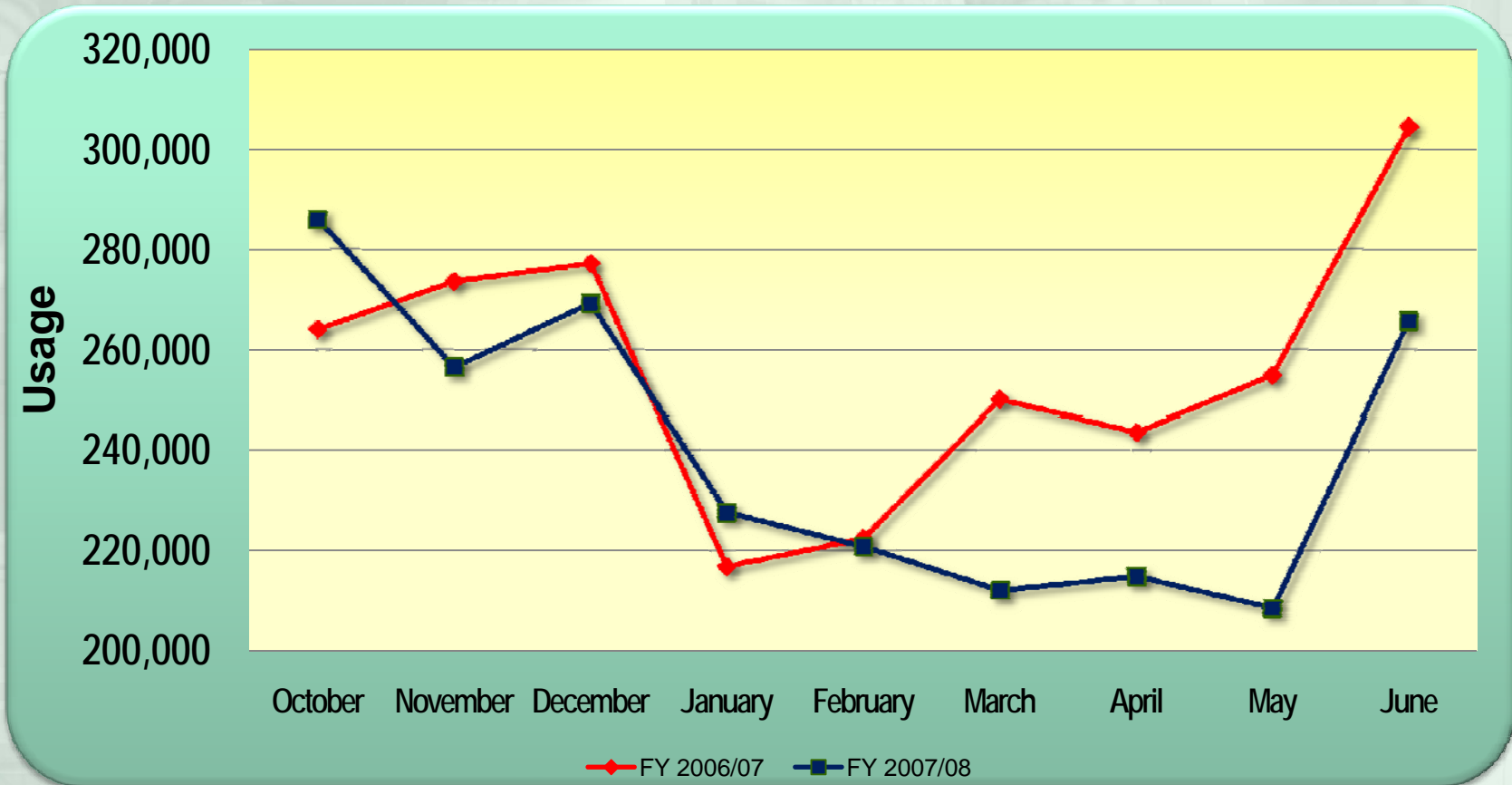
- **6% decrease countywide October - May**
- **Power Company rate increases**
  - 💡 ***Florida Power & Light 12% (90% of locations)***
  - 💡 ***Progress Energy 5% (10% of locations)***
  - 💡 ***Increase offset by conservative budgeting and energy conservation efforts***





# County Services Building (EMS)

## 24.55% decrease

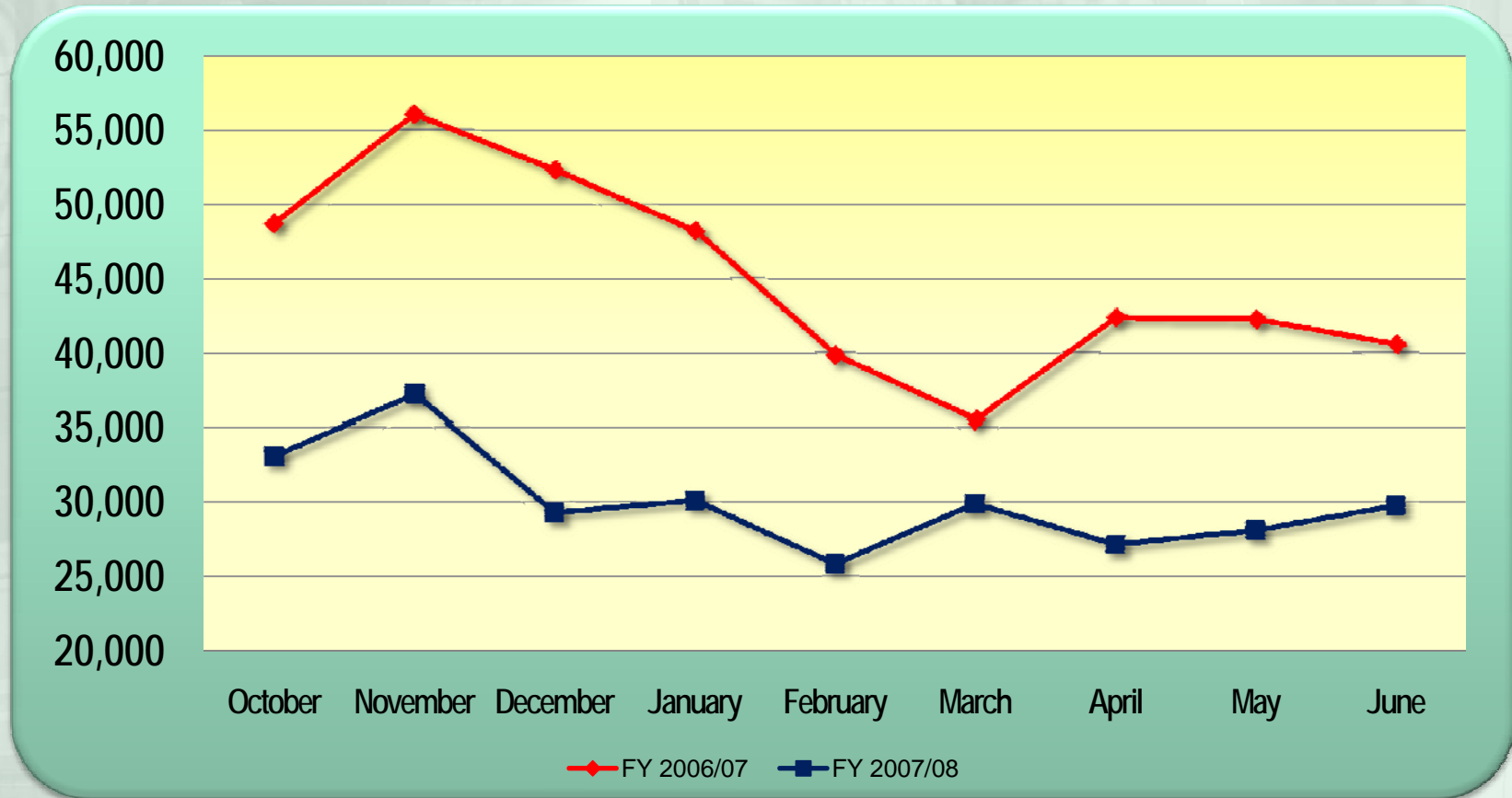


*Energy Conservation Update*  
*Administrative Services*



# Sylvan Lake Park (EMS)

## 33.38% decrease

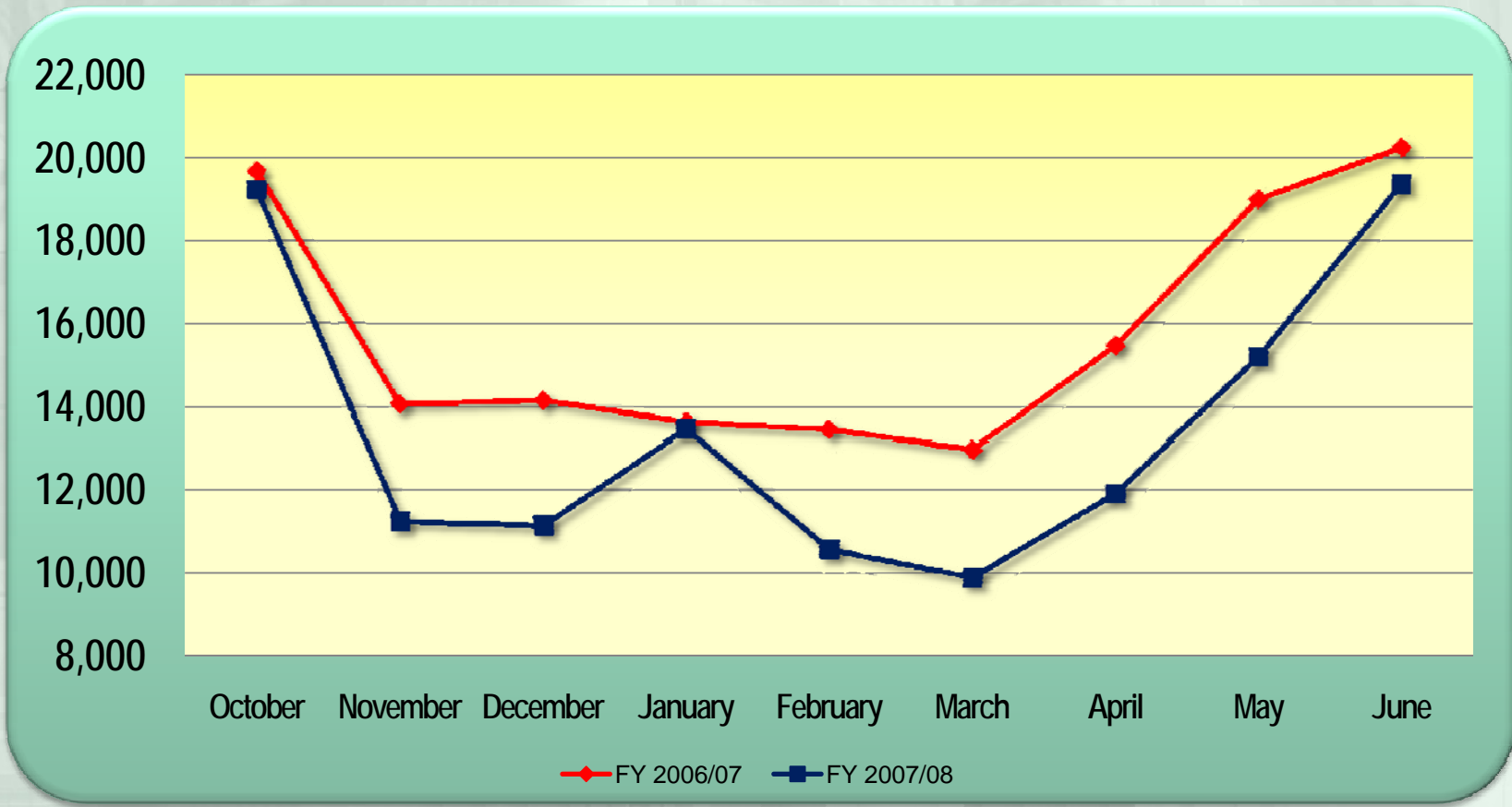


Energy Conservation Update  
Administrative Services



# Facilities Management Building

## 14.47% decrease

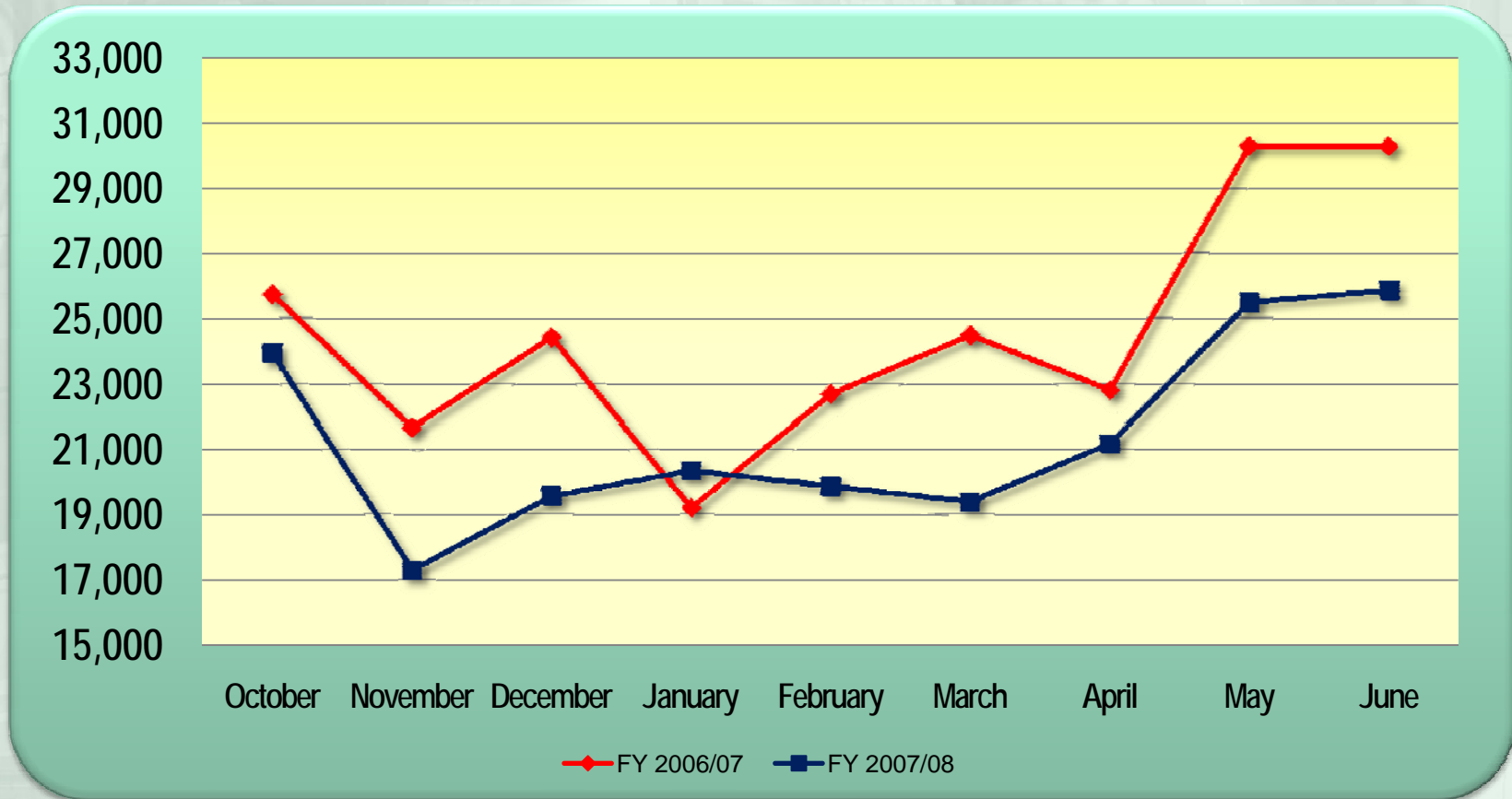


Energy Conservation Update  
Administrative Services



# North Branch Library (Sanford)

## 9.79% decrease



Energy Conservation Update  
Administrative Services



# *Future Objectives*



- *Reviewing Fleet policies & procedures for energy saving opportunities*
- *Evaluating performance contracting offers and opportunities*
- *Pursuing power company rebates*
- *Reviewing Fleet preventive maintenance schedules for energy saving opportunities*
- *Continuing to evaluate the use of hybrid vehicles & biodiesel*
- *Complete installation of programmable thermostats*
- *Complete replacement of less efficient interior lighting systems*



# *Future Objectives*



- *Continue the installation of motion detectors in offices and restrooms*
- *Identify buildings with inadequate insulation and make improvements*
- *Identify A/C duct with inadequate insulation and make repairs*
- *Identify glass areas that can be treated to reduce radiant heat transfer to buildings*
- *When plumbing fixture valve replacement is necessary replace with water saving type*
- *When water closet replacement is necessary replace with water saving fixtures*