

# Power Management for the Regional Technology Coalition

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# Background/IT Staff

Borough of State College/Regional Technology  
Coalition:

We are based out of the Borough of State College  
Municipal building and we provide IT support to  
each of the 7 entities:

Borough of State College  
Centre Area Transportation Authority (CATA)  
Centre Region Council of Governments  
Patton Township  
Ferguson Township  
College Township  
Alpha Fire Company

IT STAFF: 4 FTEs

# What we are dealing with:

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- ◉ Number of Computers: 400+
- ◉ Number of Servers: 47
- ◉ How Power Management was accomplished before: Limited but improving year by year
- ◉ Challenges with managing 7 different entities

# Options for PM/Evaluations

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We researched to see what steps we could take

What were others doing?

Options:

Power Management Policies

Education

Software Solutions

# Implementation

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- We have a power management policy in place to enable ENERGY STAR features on computers and monitors
  - Screen Savers: No Thank You!
- We have a policy that requires employees to turn off their machines on certain days (according to a schedule we developed)

# Education

We created  
e-newsletters to  
educate employees  
and to promote energy  
efficient mentalities

## Technology Bulletin:



### Energy Saving Tips/Tricks:

*Here are some things you can do at work or at home to reduce your carbon footprint:*

- Use a power strip as a central "Turn Off" point to completely turn off equipment
- Unplug electronics such as cell phones and laptops once they are charged. Adapters plugged into outlets use energy even when they are not charging
- Turn off the lights when you leave a room
- Let your PC Breathe: Keep computer cooling/air vents clear of dust, paper, files and other office supplies. It takes as much as 25% more energy to deliver air if the vents are blocked
- Look for the ENERGY STAR logo when shopping for office equipment at home; including computers, monitors, fax machines and printers, etc.

*The Information Technology Department has already implemented some energy-saving methods:*

- Using the ENERGY STAR power management settings on your computers and monitors so they save energy when not in use
- Purchasing technology equipment that is EPEAT/ENERGY STAR compliant
- Setting the printers in the building to default to duplex printing
- Installing motion-sensor lights with automatic shutoffs in areas that are seldom occupied by personnel



# Challenges

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- Hibernation: Up to no good
- Employee Objections
- Time: Not enough in a day

# Savings

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- Currently have 92% of all monitors running on our power management policies
- By the end of 2011 we hope to have a matching amount of desktops and improve upon our monitor count



# Continued Savings

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- Energy Savings: According to Energy Star you can save up to \$75 or more per computer by utilizing system standby features
- Energy Star has a great power management savings calculator that can help you calculate your savings:  
[www.energystar.gov/index.cfm?c=power\\_mgt.pr\\_power\\_mgt\\_faq](http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_faq) (Click on the xls document)

# Moving Forward

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- ◉ We are currently researching:
  - Power Management Software--should we implement it? Would it be beneficial?
  - Power Script(s) that would automatically power down computers that are turned on, on the network
- ◉ We would also like to continue to implement the removal of all CRT monitors and install LCD replacements

Any Questions

| Contact Info

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