

Managing Your Energy Program



Why Focus on Management?

- Energy Issues will need to be addressed in the long term. It's not a quick fix.
- Systematic management approach will ensure a continuing focus on energy efficiency.
- The Plan – Do – Check – Act is a process well known in the “continuous improvement” world



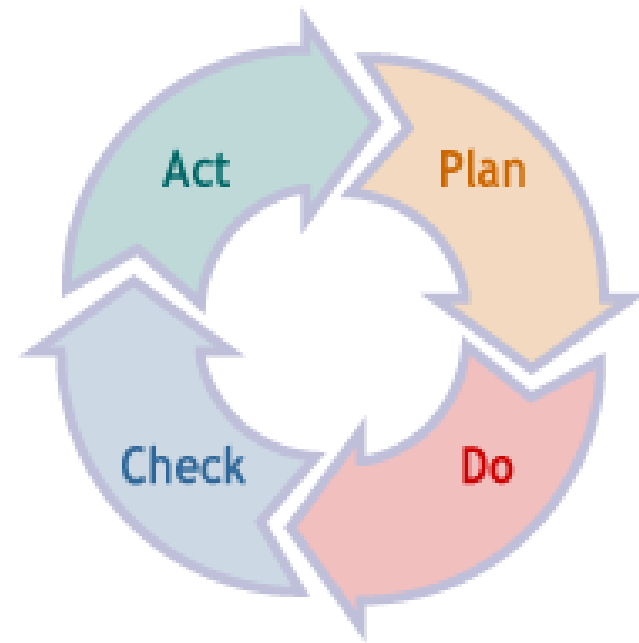
Ensuring a Sustainable Future: An Energy Management Guidebook for Wastewater and Water Utilities

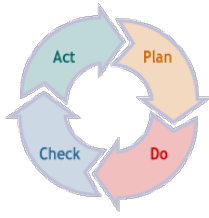


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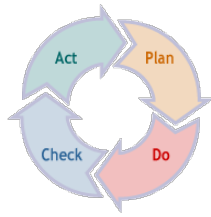




Plan

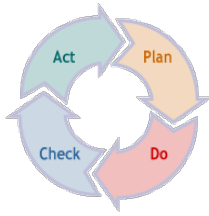
- Getting Ready
 - Establish energy improvement goals
 - Secure management commitment
 - Choose energy fence line
 - Establish program leadership
 - Secure employee buy-in
 - Communicate results

Energy Team



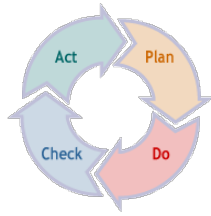
Plan

- Assess Current Energy Usage
 - Gather energy information
 - Conduct energy baseline audit
 - Review legal requirements & establish a compliance baseline
 - Discharge quality
 - Air emissions
 - Etc.



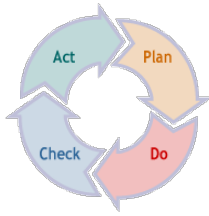
Plan

- Establish Energy Vision
 - Develop an energy policy – be specific to your plant
 - Identify activities that consume energy
 - Prioritize activities based on their potential to save energy



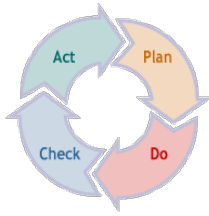
Plan

- Identify Energy Objectives & Targets
 - Establish energy objectives & targets
 - Reduce Peak electrical demand by 15% by 2013
 - Reduce energy costs 10% by 2014
 - Increase use of renewable fuels by 10% by 2015
 - Etc.
 - Define performance indicators
 - Method to measure progress



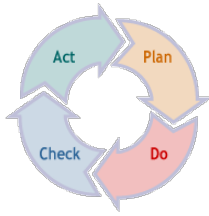
DO

- Implement Energy Improvement Programs
 - Develop action plan to implement energy improvements
 - Establish Energy Improvement Management Program
 - List individual tasks
 - Assign responsibilities
 - Establish deadlines
 - Estimate staff time & cost



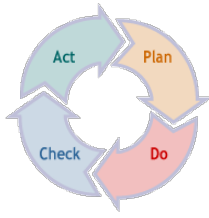
DO

- Implement Energy Improvement Programs
 - Develop action plan to implement energy improvements
 - Establish Energy Improvement Management Program
 - Get Top Management commitment and approval



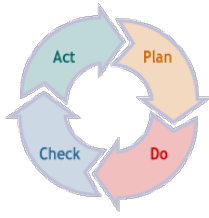
DO

- Implement Energy Improvement Programs
 - Develop action plan to implement energy improvements
 - Establish Energy Improvement Management Program
 - Get Top Management commitment and approval
 - Communicate Your Objectives and Targets and Energy Improvement Programs.



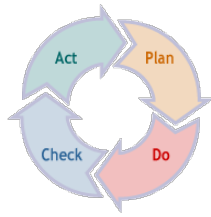
DO

- Implement Energy Improvement Programs
 - Develop management system “operational controls” to support energy improvements
 - Training
 - Communications
 - Records
 - Etc.



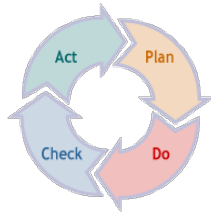
CHECK (Study)

- Monitoring and Measuring Your Energy Improvement
 - Review what you currently monitor and measuring for energy
 - Determine what else you need to monitor for your priority energy improvements
 - Develop plan to maintain efficiency of energy equipment



CHECK (Study)

- Monitoring and Measuring Your Energy Improvement
 - Review progress of your energy targets
 - Implement actions to adjust or correct when your not progressing towards goals
 - Monitor / reassess compliance status



ACT

- Maintain Your Energy Improvement Program
 - Continue to align energy goals to business or operational goals
 - Apply lessons learned
 - Expand involvement of management & staff
 - Communicate Success

Energy Management Guidebook

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How do I get this book?

<http://1.usa.gov/wdSG3J>

Case Sensitive