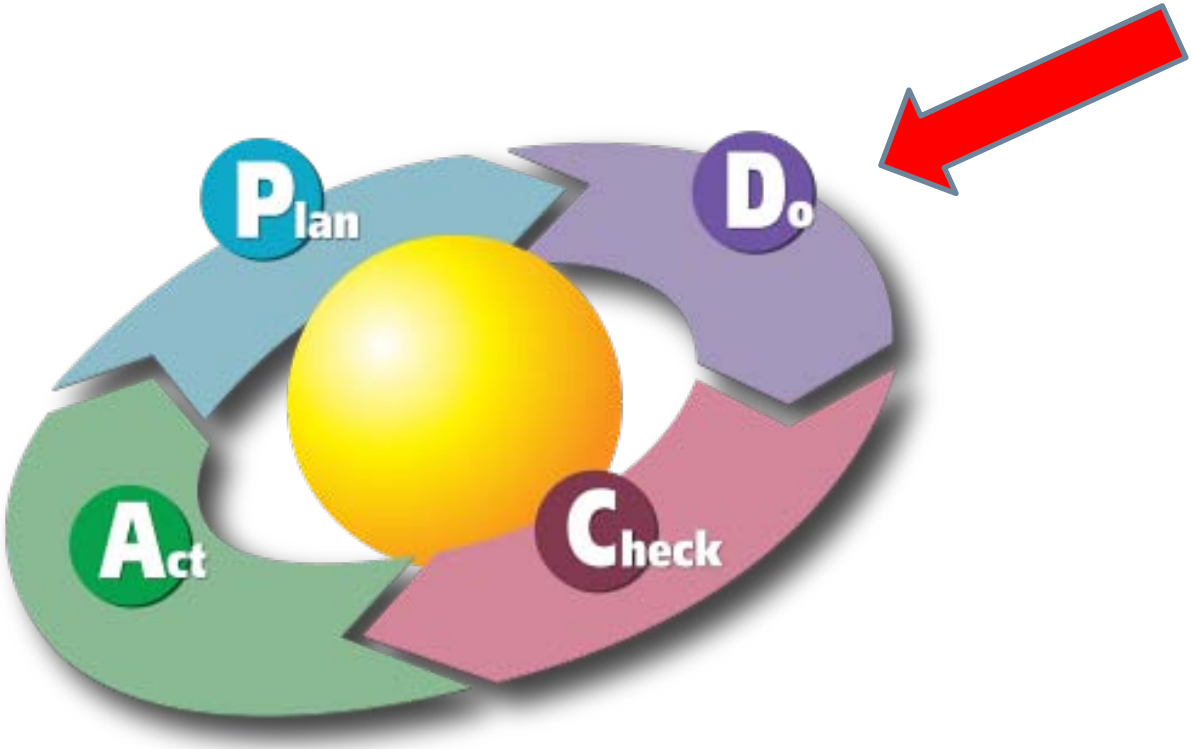
DO – CHECK – ACT

Moving Forward

Energy Management Guide

Do



Turning objectives into action

Energy Objectives

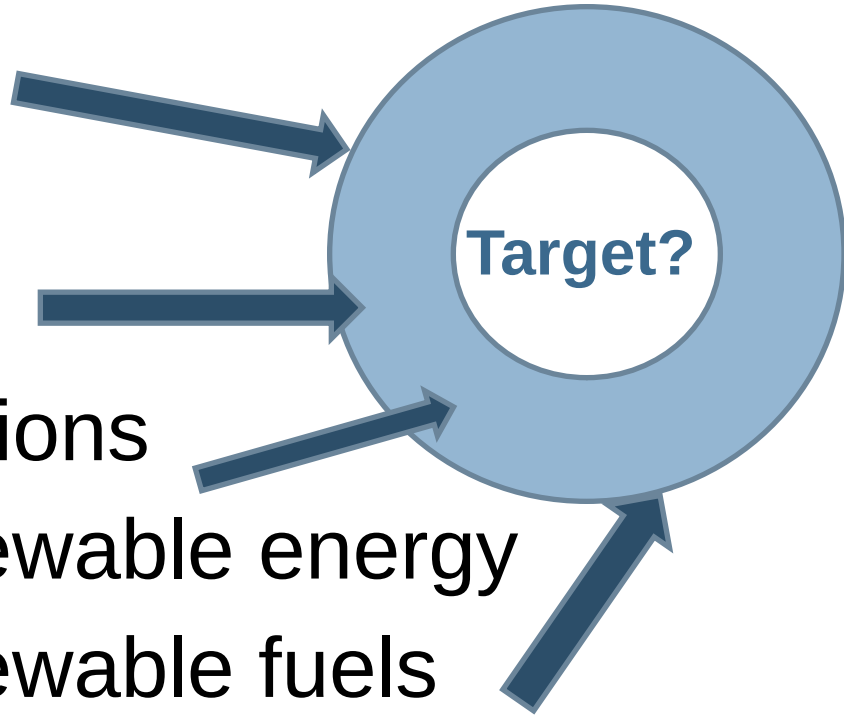
Reduce energy cost

Reduce fuel use

Reduce GHG emissions

Increase use of renewable energy

Increase use of renewable fuels



Definitions: Objectives and Targets

- ***Objectives***: goals that are consistent with the organization's policy
- ***Targets***: performance measures related to and supporting a specific objective.
  - Targets should be **quantitative, realistic, measurable**

What are you going to do, by how much, by when?

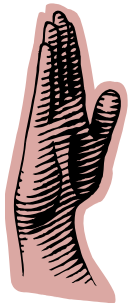
Examples of Objectives and Targets

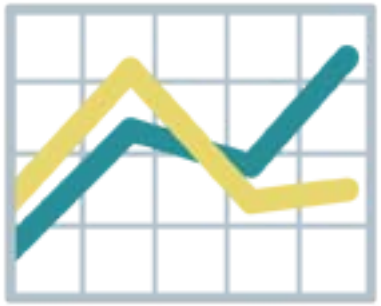
- Reduce overall energy cost by 10% by January 2009
- Increase energy purchased or generated from renewable sources of energy by 10% by 2012
- Reduce GHG emissions 20% by 2015

OBJECTIVE	TARGET	PERF. INDICATOR
Reduce Energy use	Reduce overall energy use by 10% by Jan 2009	kWh

Performance Indicators

- Energy performance indicators include the <u>measured quantity and a time interval</u>
  - electricity consumption in kWh per month
  - energy cost in dollars per month
  - electricity per gallon of wwt





Why Metrics Matter

- How well are you doing?
- How do you know how well you are doing?
- How can you demonstrate to others how well you are doing?

What gets measured gets managed;
…and…
What gets managed gets *DONE*.

Moving to Action with **Energy Improvement Management Programs**

- What to do to reach the target
- Who will do it
- When to do it by
- What resources or level of effort are needed

Good Project Management!

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Energy Improvement Management Program (EIMP)

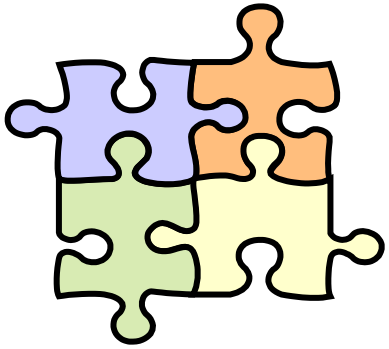
- EIMPs are the formal plan of action, identifying:
  - Objective and target
  - Responsibilities
  - Action Items
  - Collaboration and consultation
  - Timing, accountability
  - Resources
  - Metrics

(**Sample EIMP in Guidebook, page 53)**

Are We There Yet?

Putting it all together….

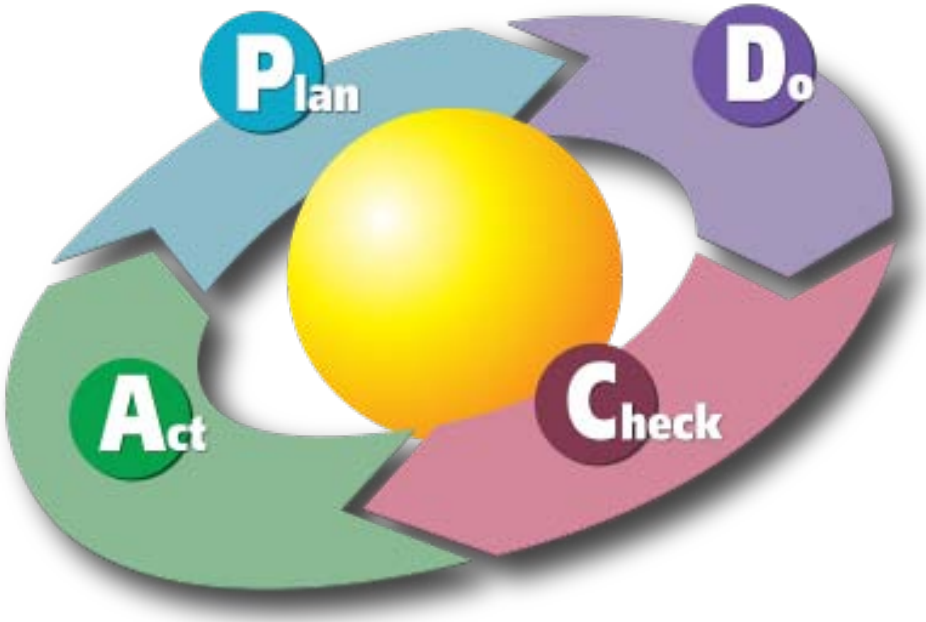
- Congratulations! Your utility just got a large energy grant, the $$ to be spent over the next 2 yrs to develop a sustainable energy management effort that can produce energy improvements now and on into the future. You have to write a **program plan** for how you will move forward. *(handout)*



Feedback…

- Observations / reactions to the planning exercise
  1. Did you agree readily on the criteria?
  2. Check your O&Ts – do they meet the standard (what, by how much, by when)?
  3. Did you come up with specific measures to support the O&T?
  4. Were you able to identify appropriate metrics?
  5. Did you identify **all** the key personnel needed for this activity?

Energy Management Guide
Check & Act



Maintaining and Continuing Energy Improvements

- Guidebook
  - **Session 6:** Monitoring and Measuring Your EIMP
  - **Session 7:** Maintaining Your EIMP

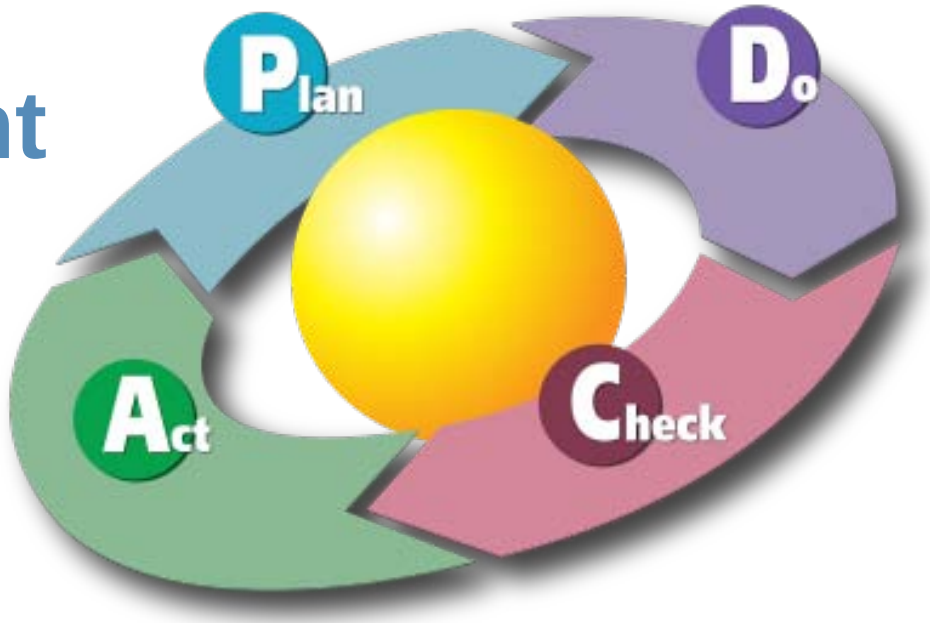
What does it take to implement and maintain energy improvements?

- **Roles and responsibilities**
- **Operating controls**
- **Managing and controlling documents and records**

What does it take to implement and maintain energy improvements?

- **Communication**
- **Monitoring and measuring**
- **Apply lessons learned**

Ensuring a sustainable future requires a commitment to continuous improvement



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