



# UESC Utility Energy Service Contracts

Energy Conservation Services from  
Your Utility Company



**GovEnergy**  
[www.govenergy.gov](http://www.govenergy.gov)

# OVERVIEW

- Objective
- Authority
- Process
- Applications
- Additional Resources
- Questions/Answers



# OBJECTIVE

What is UESC and how does it work?





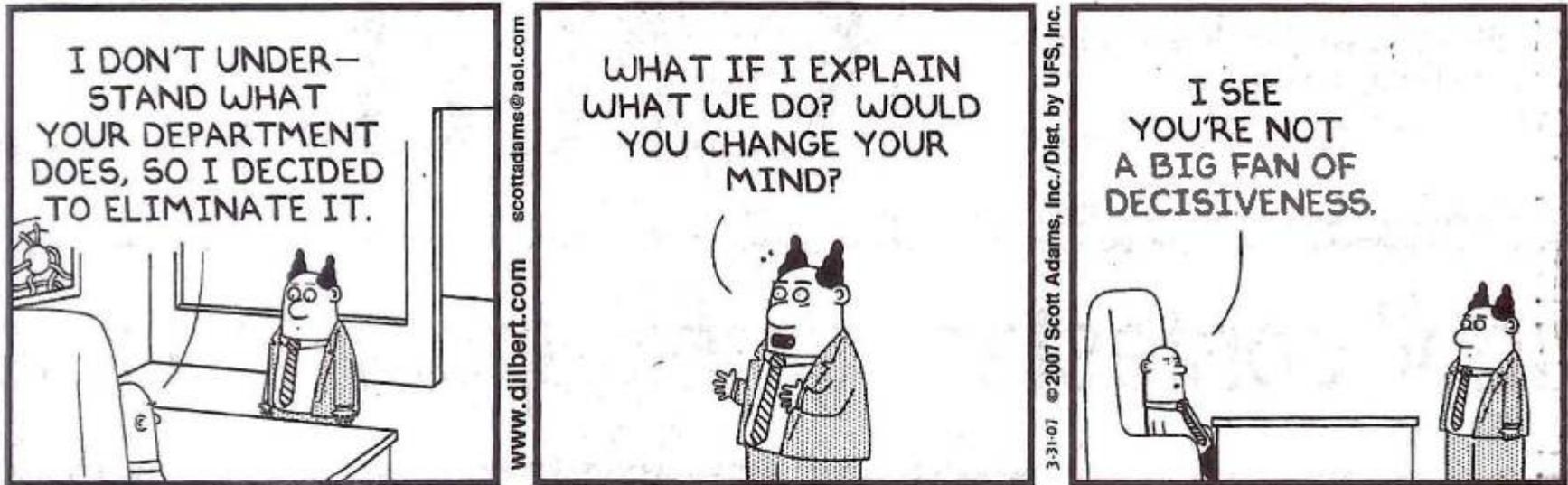
# OBJECTIVE

## DEFINITION

UESC: A comprehensive method to identify and complete energy conservation and management projects

# PROBLEM

## Dilbert



## Wizard of Id

# UESC AUTHORITY

**10 USC § 2913 provides authority:**

1. Participate in existing utility programs
2. Accept financial incentives, goods and services
3. Negotiate agreements with utility companies for cost effective programs to meet the needs of the customer



# UESC AUTHORITY

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## Negotiated Agreement

- Sole source authority
- Comprehensive service
- Cost effective energy measures
- Title passes to Government during term of agreement



# UESC AUTHORITY

## Negotiated Agreement

- Financing by utility company
- Interest paid on the financed amount
- Repaid with funds available for payment of utilities

# UESC PROCESS

- Five step program
  - Audit
  - Feasibility Study
  - Engineering and Design
  - Installation
  - Payment and Performance



# UESC PROCESS

## MODEL AGREEMENT

- DoD – Edison Electric Institute joint effort
- Describes UESC form, format & process
- Basic “umbrella” document
  - Overall process description
  - Tool for installation and utility
  - 75 - 80% complete need to finalize and execute
- Projects completed with Task Orders

# UESC PROCESS

## MODEL AGREEMENT

- Contracting options
  - Attach to GSA Areawide Contract
  - Attach to separate installation contract
  - Create a “stand alone” contract
- DoD and Civilian Model Agreements
  - Different definitions of “energy conservation measure” and “energy conservation project”



# UESC APPLICATIONS

## 10 USC 2913:

- “design and implement cost-effective demand and conservation incentive programs (including energy management services, facilities alterations, and the installation and maintenance of energy saving devices and technologies by the utilities) to address the requirements and circumstances of the installation.”

# UESC APPLICATIONS

## 10 USC 2911

- DoD Energy Performance Plan: consider measures that
  - that reduce energy consumption or demand
  - improve the efficient use of energy
  - demonstrate an economic return on the investment



# UESC APPLICATIONS

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- List in Model Agreement is not limiting
- Examples
  - Lighting retrofits
  - Energy management control system
  - Heating, ventilating and air conditioning
  - High efficiency electric motors

# UESC APPLICATIONS

## Creative Projects?

- Must meet qualifications for UESC projects – no flag poles please!





# WATER CONSERVATION

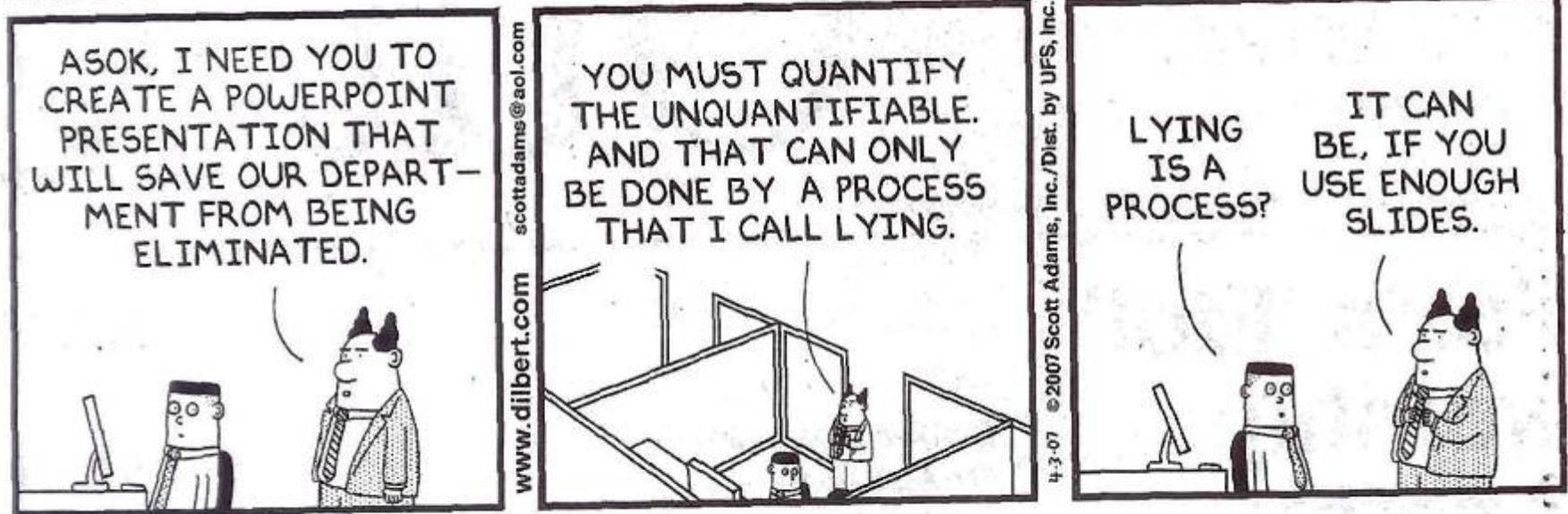
## REMEMBER WATER

- Do unto water as you would do unto energy.
- Whatever happened to 10 USC 2866?



# SOLUTION

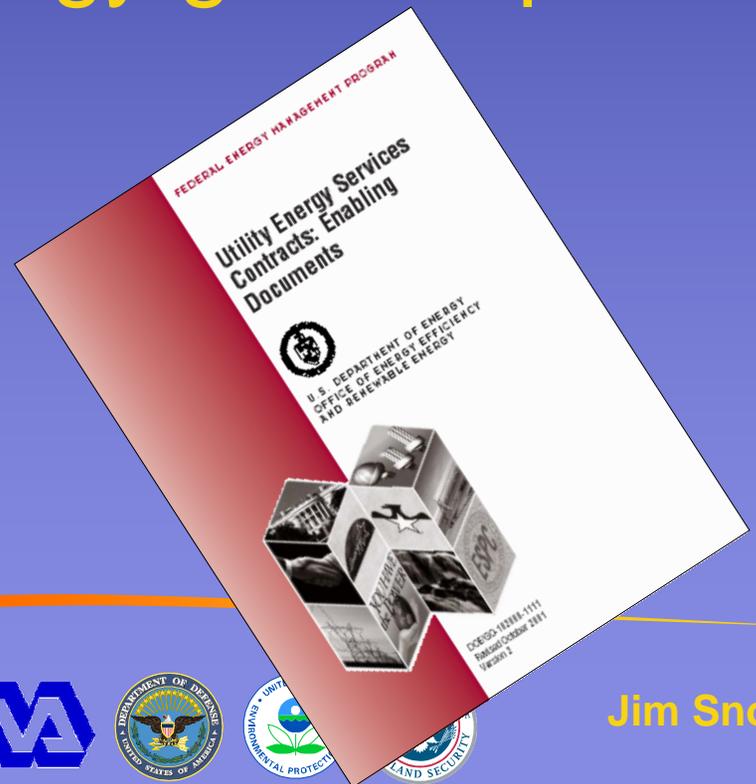
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# ADDITIONAL RESOURCES

- DOE FEMP Enabling Documents

<http://www1.eere.energy.gov/femp/financing/uescs.html>

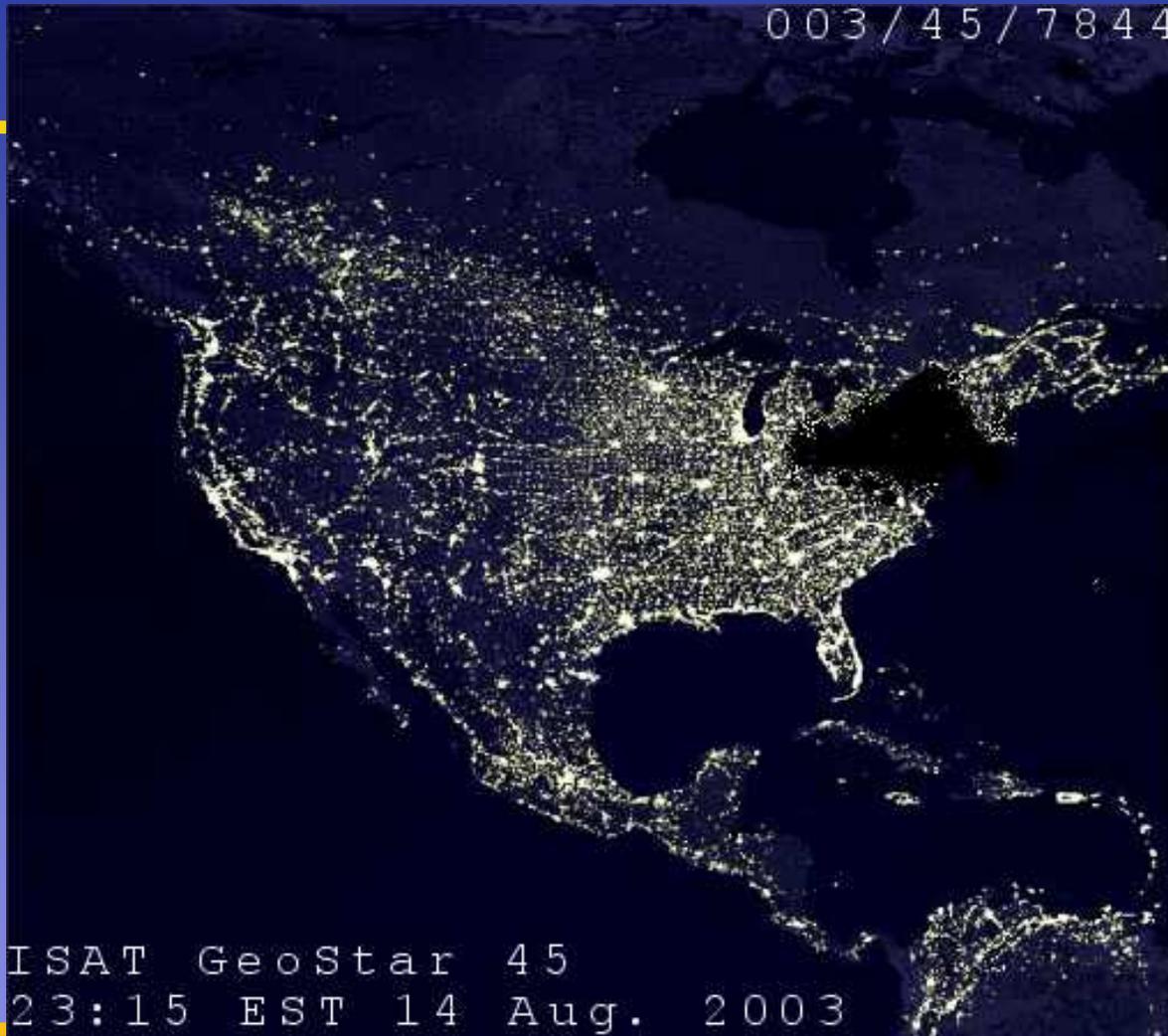




# ADDITIONAL RESOURCES

- DOE FEMP – NREL UESC Workshop
- DOE FEMP - UESC DVD Video
  - Deb Beattie 303-384-7548
- Model Agreement and Explanation (AFMESA and AFEXPL)  
<http://www.afcesa.af.mil/ces/urmt/index.asp>

# Questions and Answers



ISAT GeoStar 45  
23:15 EST 14 Aug. 2003



# Would you like to know more about this session?

- **Jim Snook**
- **Facility Energy Team**
- **HQ Air Force Civil Engineer Support Agency**
- **Jim.Snook@tynall.af.mil**
- **Don't forget to fill out and drop off your session evaluations.**



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