

Implementing and Managing EIA's Enterprise-Wide Data Collection System

Stan Freedman
Director, Survey Methods

Betty Barlow
Director, Systems & Policy Division

Paula Mason
Mathematical Statistician

Energy Information Administration

*2009 Federal CASIC Workshop
Washington, DC
March 17-19, 2009*

Topics

- ❖ EIA Context
- ❖ Functional Requirements
- ❖ Design/Development
- ❖ Implementation
- ❖ Governance

EIA Context

- ❖ About 70 establishment surveys
- ❖ Most are mandatory
- ❖ About one third of our data are already being collected over the internet
- ❖ Three different systems for collecting data over the internet

Functional Requirements

- ❖ Respondent's Perspective
- ❖ Survey Manager's Perspective
- ❖ Corporate Perspective

Design/Development

- ❖ Scope creep
- ❖ Prototyping of user interfaces
- ❖ Development was divided among several teams
- ❖ Getting corporate buy-in
- ❖ Controlling expectations

Implementation

- ❖ Whose cheese gets moved first
- ❖ Sufficient resources applied at the right time
- ❖ Dealing with design changes
- ❖ Usability testing
- ❖ System testing
- ❖ Documentation

Governance

- ❖ Three month evaluation period
- ❖ Who will run the system was initial development is complete
- ❖ Corporate change control

Lessons Learned

- ✦ Functional Requirements
- ✦ Design/Development
- ✦ Implementation
- ✦ Unintended consequences

Contact

Stan Freedman

stanley.freedman@eia.doe.gov

202-586-5856