



Gulf of Mexico Information Transfer Meeting

Alternative Energy Program Studies

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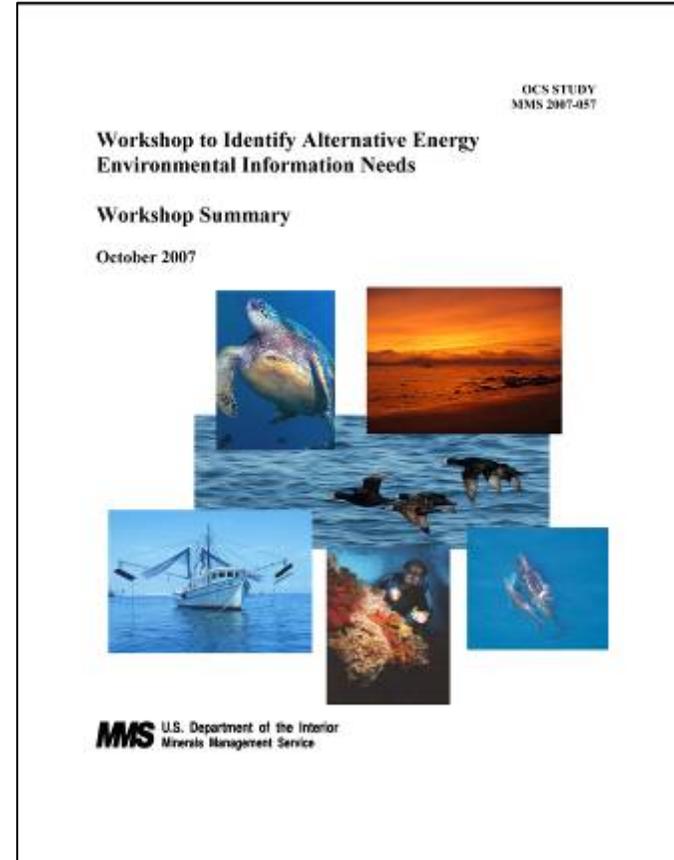
Alternative Energy Studies Liaison

Minerals Management Service

8 January 2009

The Beginning

- *Worldwide Synthesis and Analysis of Existing Information Regarding Environmental Effects of Alternative Energy Uses on the Outer Continental Shelf*
- *Workshop to Identify Alternative Energy Environmental Information Needs*



Aquatic Resources

- Electromagnetic Fields
- Noise
- Endangered Species
- Migration
- Collision/Entanglement/Entrainment
- Habitat Changes
- Attraction/Avoidance
- Contaminants

Flying Animals

- Risk assessment framework to address key issues
- Summarize known abundance data
- Regional baseline studies to fill data gaps
- Create geospatial abundance layers
- Site-specific study protocols/guidelines for:
 - Collision/mortality detection
 - Attraction/avoidance behavior/change
- Improved predictive models
- Mitigation measures effectiveness evaluation

Physical Oceanography and Air Quality

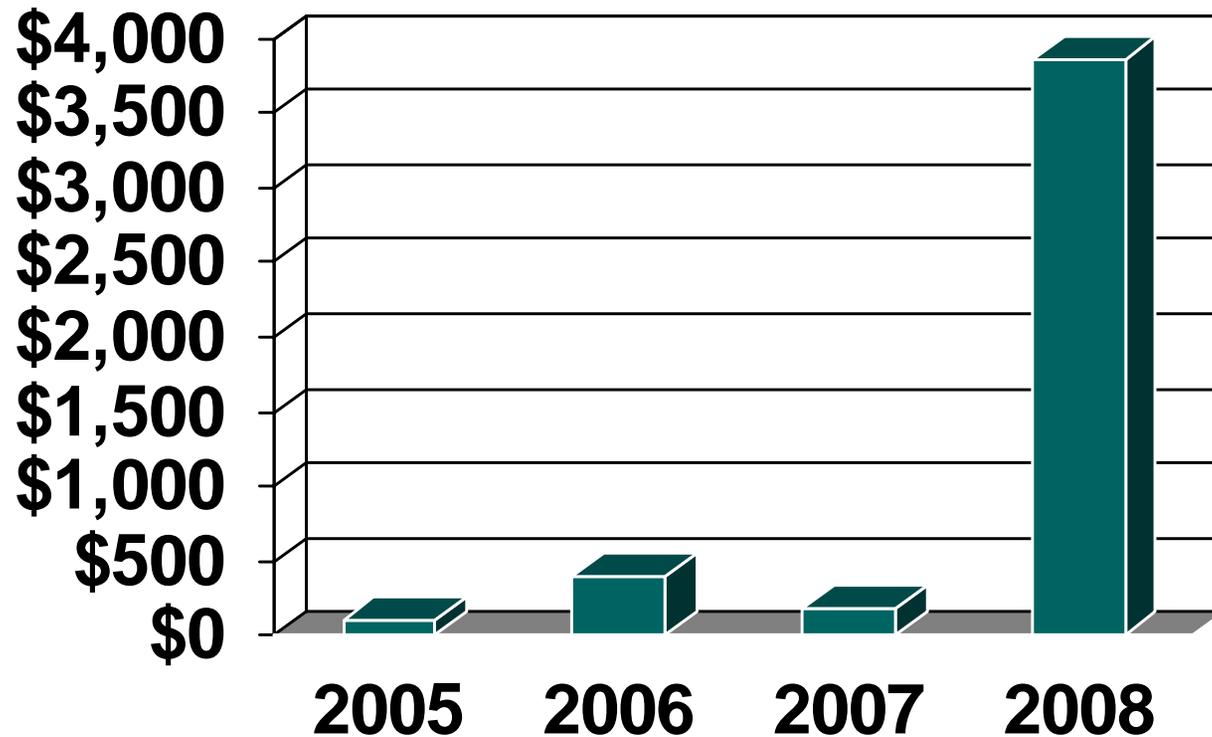
- Geospatial tools
- Baseline of existing conditions
- Impacts from structures
- Guidelines acceptable levels of change

Social Science and Economics

- Space and use conflicts
- Impacts on local tourism
- Identification and perceptions of stakeholders
- Establishing/identifying state-of-the-art social science methodologies

Funding History

Thousands



Completed Work

- Planning
- Birds
- Environmental Impact Analysis

Under Way

- Planning
- Birds
- Fish – Noise
- Physical Oceanography Modeling
- Social

Planned

- Planning
- Benthic
- Birds
- Space Use