

Other Social Effects (OSE)

Maria Wegner-Johnson

Economist

Tulsa District

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US Army Corps of Engineers
BUILDING STRONG



Other Social Effects (OSE)

- History
- What is OSE?
- OSE Basics
- Planning in a Collaborative Environment
- OSE in the Planning Process
- OSE Tools and Resources



History

- Flood Control Act of 1936
- Green Book (1950) and 1958 Revision
- Senate Document 97
- Rivers and Harbors Act of 1970
 - ▶ Principles and Standards
 - ▶ Principles and Guidelines
- WRDA 2007
 - ▶ EC 1105-2-409



Other What?

- What is OSE?
 - ▶ Human Dimensions
 - ▶ “These efforts (OSE) reflect a highly complex set of relationships and interactions between inputs and outputs of a plan and the social and cultural setting in which these are received and acted upon.”
- Why are social effects important?
- What would you call a social effect?



Other Social Effects

- “The other social effects account registers plan effects from perspectives that are relevant to the planning process but are not reflected in the other three accounts.”
 - Income, Employment
 - Public Safety
 - Education, Cultural, Recreation
 - Emergency Preparedness
 - Community
 - Population Characteristics
 - Aesthetics



The Basics: Roles in OSE

- Analyst's Role?
 - ▶ Who is the analyst?
 - Look, Think, Act
 - Economist as analyst
 - ▶ Active Researcher versus Passive Observer
- Public's Role?
- Agency's Role?



The Basics: How do we do it?

- Approaches
 - ▶ Population characteristics
 - ▶ Indices, Indicators, and Social Well-Being Factors
 - Civic Index
 - Trauma Indices
 - Place Vulnerability
 - Health and Safety
 - Economic vitality
 - Social connectedness
 - Identity
 - ▶ Surveys
 - ▶ Workshops



Planning in a Collaborative Environment

- Fully utilize the authority and flexibility of the P&G
- Link NED, RED, EQ, OSE
- 2 Primary Components
 - ▶ Engagement
 - Identify stakeholders and decision makers
 - Building Social Capital
 - ▶ Data/Methods
 - Social Vulnerability and “hot-spots”
 - Social Well-being
 - Social Connectivity
 - Loss of Life



Planning in a Collaborative Environment: The Planning Process

- Include OSE in the PMP
- Fund OSE Analysis
- OSE is valuable in each step!
 - ▶ Identify Problems and Opportunities
 - ▶ Inventory and Forecast Conditions
 - ▶ Formulate Alternatives
 - ▶ Evaluate Alternatives
 - ▶ Compare Alternatives
 - ▶ Select A Recommended Plan



Identify Problems and Opportunities

- Identify problems, needs and opportunities
 - ▶ Perform Social Profile
 - ▶ Identify Stakeholders and engage them
 - ▶ Historical Analysis
- A few OSE Questions
 - ▶ What is the history and historical development of the local and regional area?
 - ▶ What is the history of the water resources situation?
 - ▶ Who are the vulnerable populations?
- Tools– workshops, interviews, surveys, content analysis



Inventory Conditions

- Key Questions
 - ▶ How are social conditions currently being affected by the water resources situation?
 - ▶ What are social conditions likely to be in the future in the absence of a water resources intervention?
- Develop baseline of social conditions that are of special concern to stakeholders



Forecast Conditions

- Forecasting social conditions
 - ▶ Consult independent studies and projections
 - ▶ Form focus groups
 - ▶ Form Delphi panel of experts to examine data and make estimates
 - ▶ Conduct community workshops



Formulate Alternatives

- Alternatives address social issues of concern
 - ▶ Stakeholders involved
 - ▶ Address important social issues of concern
 - ▶ Alternatives formulated with expectation of measure against social preferences and issues
 - ▶ Most vulnerable included
 - ▶ Communication bridge
- OSE Management Measures
 - ▶ Manage social issues of concern consistent with planning objectives



Evaluate Alternatives and Display Effects

- Rate plans based

on:

- ▶ Completeness
- ▶ Effectiveness
- ▶ Efficiency
- ▶ Acceptability

- Metrics

- ▶ Identify, qualitative, quantitative
- ▶ Positive/negative
- ▶ Beneficial/adverse
- ▶ Monetize



Compare Plans

- Key Questions
 - ▶ What are plans' social effects in terms of magnitude, location, timing and duration?
 - ▶ What risks are associated with each plan?
 - ▶ How adequate are plans with respect to completeness, effectiveness, efficiency, and acceptability?



Select Recommended Plan

- EC 1105-2-100, Para 4c(3)
 - ▶ Any alternative plan may be selected and recommended if it has, on balance, net beneficial effects after considering all plan effects, beneficial and adverse, in the four Principles and Guidelines evaluation accounts: National Economic Development, Environmental Quality, Regional Economic Development, and Other Social Effects. Current policies on cost sharing will apply.



Telling the story: A few more tips

- Make sure you understand what is important to communicate
- Understand the audience
- Use visual aids
- Edit for clarity and quality



Tools and Resources

- NOAA Coastal Services Center
 - ▶ <http://www.csc.noaa.gov/socialscience/>
 - Includes free online training, tools, documentation, and a list of additional resources
 - ▶ <http://www.hd.gov/HDdotGov/>
- Research Resources for the Social Sciences
 - ▶ <http://www.socsciresearch.com>
- NRCS Social Science Team
 - ▶ <http://www.ssi.nrcs.usda.gov/index.html>



More Tools and Resources

- Handbook on Applying “Other Social Effects” in Corps of Engineers Water Resources Planning
 - ▶ IWR Report 09-R-4
 - More resources in Appendix B
- Theoretical Underpinnings of the Other Social Effects Account
 - ▶ ERDC/CHL SR-07-1



Questions?



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