

**Evaluation Criteria
and
Performance Measures
for the
EAA Storage Reservoirs-
Phase 1 Project**

What are Evaluation Criteria?

- **Any factors/standards used in making decisions**
- **Purpose:**
 - **Used to assess & appraise the effects of the alternative plans**
 - **Related to specific project goals and objectives**
 - **Addresses problems and opportunities**
 - **Based on laws, policy and regulations**
 - **Used to qualify and select a preferred alternative**

What are Performance Measures?

- Subset of Evaluation Criteria
- Quantitative (measurable) indicators of the degree to which alternative plans are likely to meet project goals and objectives



EVALUATION CRITERIA

**Performance Measures
(project benefits)**

Specific Goals and Objectives
Examples:

- Reduce backpumping to Lake
- Optimize performance of STAs

**Other Evaluation Criteria
(other impacts)**

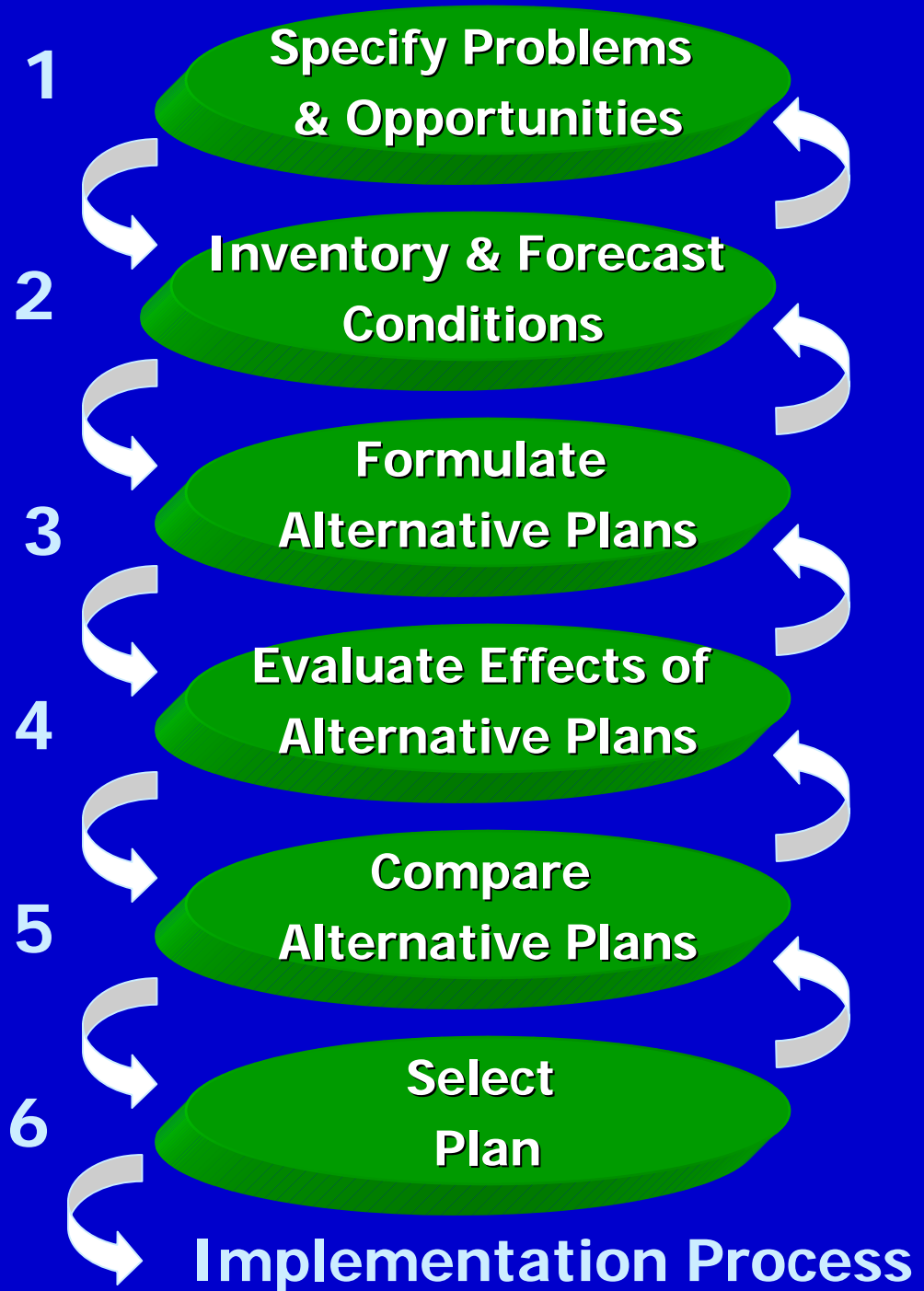
Problems and Opportunities
Examples:

- Recreational opportunities
- Fish and wildlife habitat creation

Why do we need Evaluation Criteria and Performance Measures?

- **Integral Part of Corps Six Step Planning Process**
- **Used for Plan Formulation, i.e., development of Alternatives**
- **Required for Plan Evaluation and Comparison**
- **Assess and appraise preferred plan vs. goals and objectives**

Corps Six Step Planning Process



Steps 3, 4 and 5: Formulation, Evaluation and Comparison

- **Formulation:** Develop array of plans consistent with evaluation criteria
- **Evaluation and Comparison:**

Often hard to separate, *but...*

- **Evaluation:** look at each plan on its own merits (with vs. without project)
- **Comparison:** contrast the merits among alternative plans (plan vs. plan)

Where Evaluation Criteria Come From

- **CERP and EAA Goals**
- **Problems and Opportunities**
- **Project Impacts and Constraints**

Where Evaluation Criteria Come From

→ CERP and EAA Goals

- Given to Project Delivery Teams (PDTs) and the Public from the Restudy and project goals
- Example: Enhance Ecological Values
- Example: Reduce Lake Okeechobee regulatory releases to estuaries by providing “capture” location

Where Evaluation Criteria Come From

→ Problems and Opportunities

- Sources: The Restudy, Public input, Technical Studies, Conceptual Ecological models
- Example: Impact on jobs

Where Evaluation Criteria Come From

→ Project Impacts and Constraints

- Unintended consequences
- “Show stoppers”
- Example: Damage of cultural resources

How are the Performance Measures used in ... Plan Formulation (Step 3)

- Performance Measures are used by PDTs to...
- Develop array of alternative plans to meet planning objectives
- Used as a guide to scope, scale, and extent
- Example: Reduce Phosphorous loads backpumped to Lake Okeechobee

How are the Performance Measures used in...

Evaluation of Alternatives (Step 4)

- Used by PDTs and RECOVER to...
- Assess, appraise and qualify alternative plans
- Performance Measures tell us how well alternative plans meet planning objectives
- Other Evaluation Criteria tell us important information to qualify plans

How are the Performance Measures used in...

Plan Comparison and Selection (Steps 5 & 6)

- Project Specific Effects - PDT
- System-wide Effects – RECOVER
- Trade-off Analysis

Where are we in the process?

- PDT has identified draft evaluation criteria
- Performance Measures subset identified for review by PDT
- Targets and evaluation methodology for project level criteria being developed
- System-wide Effects – applicable RECOVER criteria identified

What are the Criteria identified for this project?

- Two levels of criteria:

- ➔ EAA SR Project Area

- (7 Performance Measures,
30 Other Evaluation Criteria)

- ➔ Regional and System-wide

- (10 Performance Measures)

EAA SR

(Project Area Criteria)

The Project Area Criteria is summarized into 3 general categories:

- ➔ Enhance Ecological Values**
- ➔ Enhance Economic Values and Social Well Being**
- ➔ Cost, Risk, and Uncertainty**

RECOVER

(System-Wide Criteria)

The System-Wide Criteria is subdivided and categorized into 6 geographical regions of influence:

- ➔ Lake Okeechobee
- ➔ Everglades Protection Area
- ➔ Lake Worth Estuary
- ➔ St. Lucie Estuary
- ➔ Caloosahatchee Estuary
- ➔ EAA

Thank You