

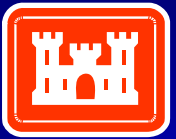


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Vancouver Lake Watershed Partnership

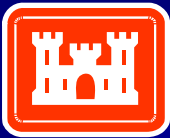
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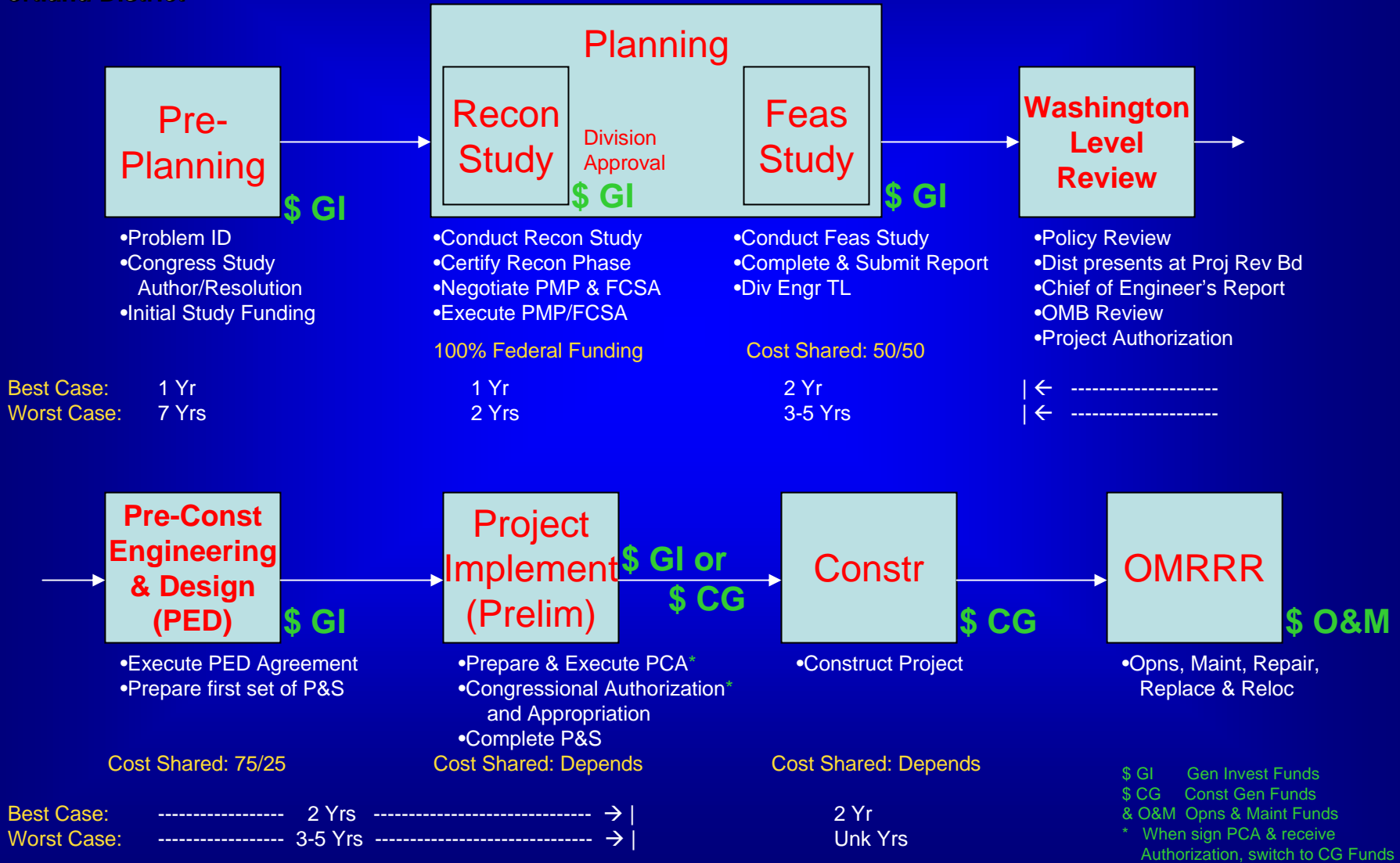
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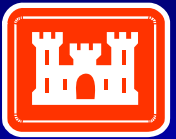
Planning Process



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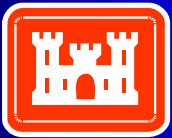
Phases of Project Development





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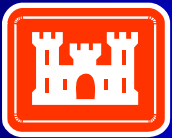
Reconnaissance Phase



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Recon Phase Overview

- **No cost sharing; 100% Federally funded**
- **\$100,000 to complete study**
- **Goal is to complete in 12 months**
- **Use readily available data and information and professional/technical judgment**
- **Will follow Corps P&G**
- **If no changes, approval at Division HQs**

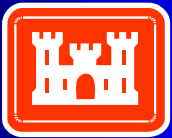


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Recon Phase Purposes

- **Define the Water Resource Problems**
- **Identify potential solution**
- **Determine Federal interest**
- **Identify a local sponsor**
- **Prepare a Project Management Plan (PMP) for Feasibility Phase**
- **Prepare Feasibility Cost Sharing Agreement (FCSA)**

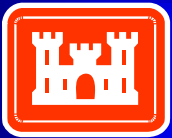
Goal: Determine whether the Corps should investigate the problems in more detail during the second phase of the study (Feasibility Study)



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Recon Phase Products

- **Report, 905(b) Analysis**
 - **Was called Reconnaissance Rpt**
- **Project Management Plan (PMP)
(for Feasibility Phase)**
- **Feasibility Cost Sharing
Agreement (FCSA)**
- **Sponsor's Letter of Intent**

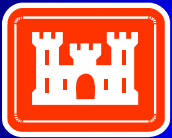


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Recon Phase

Reconnaissance Report

- **Study Authorization and Purpose**
- **Project Location and Congressional District**
- **Pertinent information from prior studies and reports or existing water projects**
- **Potential solutions to resolve problem**
- **Federal interest**
- **Preliminary costs for the project**
- **Summary of any assumptions**
- **Tentative Time Schedule**
- **Initial costs for Feasibility Phase**
- **Recommendations**
- **Views of other Agencies and tribes**
- **Project area map**

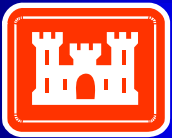


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Recon Phase

Reconnaissance Report

- **Is not:**
 - Detailed cost estimate
 - Detailed Engineering, Design Studies, or data gathering
 - Detailed Environmental Evaluations
 - Detailed Benefit to Cost Ratio analysis
 - Detailed Real Estate report
 - Detailed Report
 - Formal coordination with other Federal and State agencies



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Recon Phase

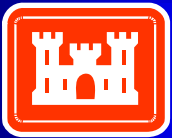
PMP for Feasibility Phase

- Agreement by all parties on how to conduct the feasibility study.
- Collaboration between Non-Federal sponsor and District Study Team
- Basis for managing Tasks, Costs, and Schedules
- Includes the desires/interests of sponsor(s) and Corps
- Guides the development and delivery of an entire project

Is a Contract between the local Sponsor, the Project Manager, and each discipline.

Ref:

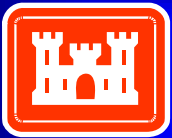
ER 1105-2-100, "Guidelines for Conducting Civil Works Planning Studies"
EC 1105-2-208, "Preparation and Use of Project Study Plans" (Out of date, but useful)



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Recon Phase PMP Contents

- **Detailed Description**
- **Product Work Breakdown Structure**
- **Responsibility Assignment Matrix**
- **Study Cost Estimate and Schedule**
- **Coordination/Communication Procedures**
- **Risk Management**
- **Change Management**
- **Quality Control Plan**



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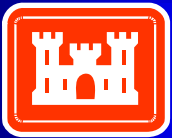
Recon Phase Feasibility Cost Sharing Agreement

● Negotiable Items:

- Project Management Plan
 - Task Responsibility
 - Task Description
 - Task Milestone
- Study Schedule
- Study cost
- Mix of Cash & In-Kind
- FCSA Amendment Triggers
- Executive Committee Members
- Coordination Procedures
- Product Review Procedures

● Non-Negotiable Items:

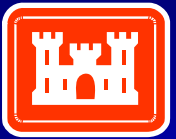
- Cost Sharing Percentage, 50/50
- Use of other Federal Funds *
- Lobbying document
- Compliance with Laws and Corps' Principles and Guidelines
- Boilerplate Provisions
 - Disputes
 - Maintenance of Records
 - Relationship to Parties
 - Officials not to benefit
 - Federal and State Laws
 - Covenant Against Contingency Fees
 - Termination or Suspension



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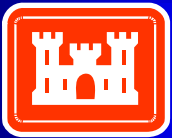
Recon Phase Phase Certification

- **Division Engineers can certify if:**
 - **Consistent with Administration Policy**
 - **Administration would support if economically, environmentally, and engineeringly Feasible**
 - **Meets existing corps criteria and guidelines**
 - **No changes to FCSA (if, then to HQs)**



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Feasibility Phase

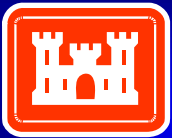


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Feasibility Phase

Feasibility Study Purposes

- **Describe and evaluate alternative plans**
- **Describe, in detail, the recommended plan**
 - **NED – National Economic Development**
 - **NER – National Ecosystem Restoration**
 - **LPP – Locally Preferred Plan**
- **Prepare a feasibility report**

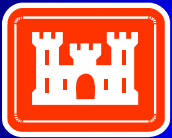


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Feasibility Phase

Six Steps in Planning Process

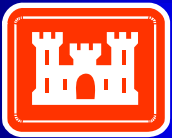
- Step 1 - Problems and Opportunities
- Step 2 - Inventory and Forecast Resources
- Step 3 - Formulating Alternative Plans
- Step 4 - Evaluation of Alternative Plans
- Step 5 - Comparison of Alternative Plans
- Step 6 - Select Recommended Plan



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Feasibility Phase Planning Process

- **Step 1: Problems and Opportunities**
 - **Identify the setting:**
 - Partnership
 - Planning area
 - Period of analysis
 - Interdisciplinary team
 - Stakeholders
 - Public scoping meeting
 - **Specific problems**
 - **Specific opportunities**
 - **Specify planning goals, objectives and constraints**

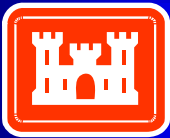


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Feasibility Phase

Planning Process

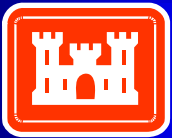
- **Step 2: Inventory & Forecast Resources**
 - **Planning requires information**
 - **External and internal factors influence the study environment**
 - **Determine existing conditions**
 - **Forecast future conditions and establish *Without Project Condition(s)!!***



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Feasibility Phase Planning Process

- **Step 3: Formulating Alternative Plans**
 - Plan formulation is using systems of measures, strategies, or programs to fully or partially meet the identified planning objectives, subject to the planning constraints
 - Generating “full” array of reasonable alternatives (NEPA)
 - The P&G is the standard (criteria) to formulate alternative plans:
 - Complete
 - Effective
 - Efficient
 - Acceptable

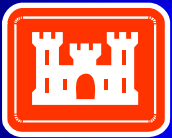


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Feasibility Phase

Planning Process

- **Step 4: Evaluation of Alternative Plans**
 - **Compare With and Without project conditions**
 - **Screen alternatives against each other**
 - **Evaluate alternatives and present results of:**
 - **Costs**
 - **Benefits (monetary and non-monetary)**
 - **Environmental impacts**

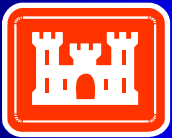


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Feasibility Phase

Planning Process

- **Step 5: Comparison of Alternative Plans**
 - **There are different methods of comparing alternatives and their effects:**
 - Monetary evaluation methods
 - Multi-criteria evaluation methods
 - Trade-off analysis
 - Goal achievement method
 - Incremental cost/cost effectiveness analysis

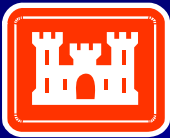


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Feasibility Phase

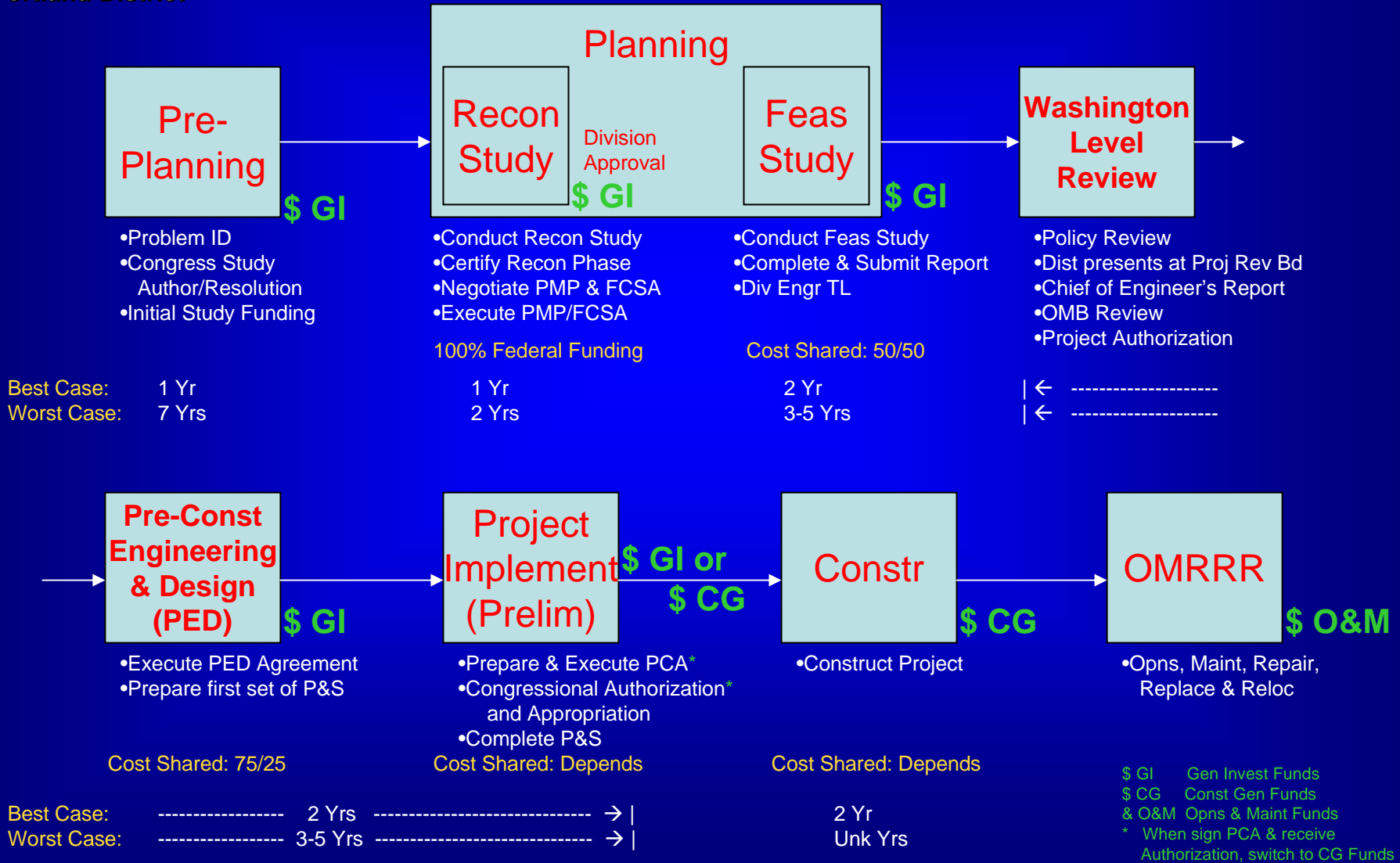
Planning Process

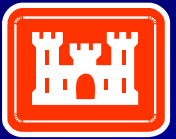
- **Step 6: Select Recommended Plan**
 - **Cost Effective:**
 - Always recommend NED or NER Plan unless there is a Locally Preferred Plan (LPP)
 - LPP recommendation requires ASA(CW) concurrence
 - **Environmentally sound**
 - **Technically feasible**
 - **Socially and Politically Acceptable**



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Phases of Project Development





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