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# Virgin River Watershed Analysis

## Meeting Goals

- Networking
- Define critical issues
- Identify study stakeholders
- Review/Discuss “the way ahead”



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# Agenda

- 9:00 Welcome/Introduction
- 9:30 Stakeholder Presentations
- 10:30 Break
- 10:45 Continue Presentations
- 11:30 Lunch (Teambuilding)
- 12:30 Watershed Issues Exercise
- 2:00 Break
- 2:15 Discussion/Summary
- 2:45 Proposal Review/Discussion
- 3:30 Adjourn



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# General Corps Introduction

8 Regional Divisions  
45 Districts



## Major Mission Areas

- **Water Resources**
- **Environment**
- **Infrastructure**
- **Homeland Security**
- **War fighting**

## Civil Works

**Flood damage reduction**

**Navigation**

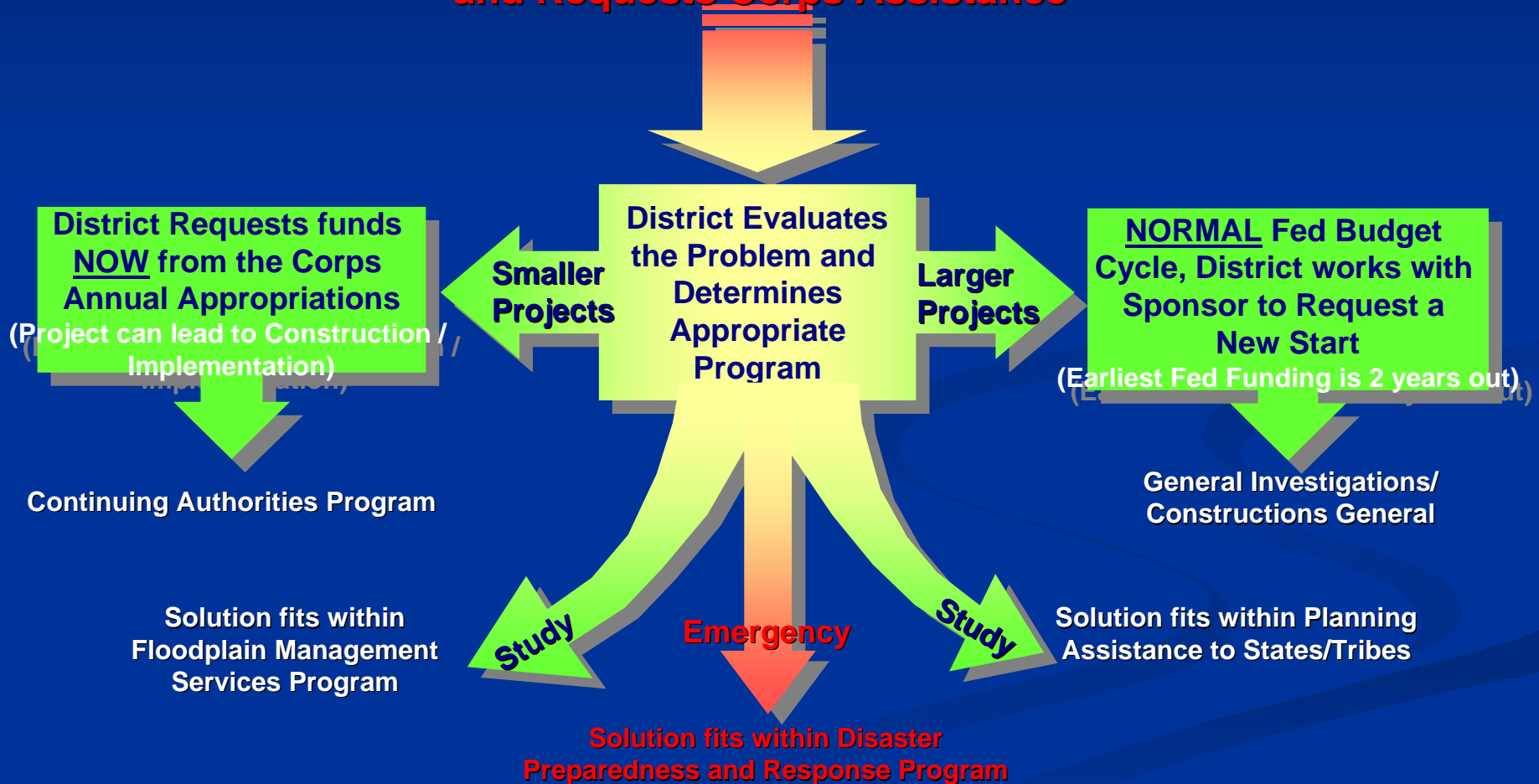
**Environment**



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# How to start the Corps' Project Delivery Engine

**Local Sponsor Identifies a Problem  
and Requests Corps Assistance**





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# 3 Basic Requirements

**Non Federal Sponsor  
Congressional Authorization  
Appropriation**





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# Typical timeline for a GI Study/Project

Reconnaissance Phase	Feasibility Phase	Preliminary Engineering & Design (PED)	Construction
Full Federal to \$100K Identifies Study Plan and cost share responsibilities	Cost share 50/50 Avg. cost \$700K to \$1.5M up to 100% can be in-kind	Cost share % varies*	Cost share % varies *
9 to 12 months	1 to 3 years	1 to 2 years	time varies

## Cost share ranges for PED and Construction:

Flood Damage Reduction	65% Federal, 35% non-Federal
Navigation	50% Federal, 50% Trust fund
Ecosystem Restoration	65% Federal, 35% non-Federal
Recreation	50% Federal, 50% non-Federal



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# FY 2006 Civil Works Watershed Assessments

2006 Energy and Water Appropriations (PL 109-103) Directs the Secretary to conduct:

*“at full federal expense, comprehensive analyses that examine multi-jurisdictional use and management of water resources on a watershed or regional scale”*

## 5 Projects Nationwide

- **Great Lakes Habitat Protection and Restoration**
- **Delaware River Basin, NY, PA, NJ and DE**
- **Comprehensive Water Resource Planning for the 18 Western States**
- **Middle Mississippi River (MMR) Regional Corridor**
- **Virgin River and Tributaries – Utah, Arizona and Nevada**

[http://www.usace.army.mil/civilworks/cecwp/news/watershed\\_06.html](http://www.usace.army.mil/civilworks/cecwp/news/watershed_06.html)



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# FY 2006 Civil Works Watershed Assessments

## COLLABORATION

- **Improve coordination** among federal, tribal and local jurisdictions and their resource agencies to support functional integrated water resources management efforts

- Better appreciation and understanding of the Corps' roles in water resources management among state, tribal and local jurisdictions, and federal and state water agencies to **improve integration and multi-jurisdictional management of water resources**

## INTEGRATED SOLUTIONS

- **Greater participation** of Corps technical specialists in non-Federally directed water resources initiatives, such as comprehensive water planning, when the non-Federal entities desire and request such participation
- **Established priorities for water resources planning and investment** in coordination with states, tribal and local jurisdictions, federal and non-Federal water managers

- Collaboration within Federal, state, tribal and local jurisdictions to **leverage resources and resources together to provide integrated solutions**

## LEVERAGE RESOURCES





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# GENERAL INFORMATION

- Funding between \$500,000 to \$1,000,000
- Geographic diversity support a full range of regional problems
- Not exceed two years
- Funds may not be used for non-federal participation
- Non-federal cost sharing is not required
- No further Federal obligation for the “study” phase or commitment for implementation
- A NEPA document is not expected during the “study” phase
- May produce needs analysis or a regional or basin-wide strategy



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# Virgin River Proposal

**NOT** flood damage reduction study

## OPPORTUNITIES

- Contribute to past/ongoing work
- Leverage resources
- Visibility
- ???





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# Virgin River Proposal

## Issues

- Floodplain management
- Water conservation/quality
- Transportation
- Habitat/vegetation management
- Endangered species

## Study Components

- Needs analysis/alternatives
- Watershed strategy
- Floodplain management plan



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# Watershed Issues Workshop





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# Question 1

What are the biggest problems facing the watershed?



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# Question 2

How do you recognize successful watershed management?



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# Question 3

During the next 10 years what could be done to improve watershed management in the Virgin River Watershed?



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# Virgin River Analysis

## Components

- Needs analysis - complement existing work
- Watershed strategy - collaborative
- Floodplain management strategy - multi jurisdictional

## Timeline

12-15 Months