

King County FCZD Advisory Committee Meeting

April 4, 2008
Bellevue City Hall

Meeting Agenda

1. Introductions and Overview
2. 2008 Work Program Status Report
3. Update on FCZD Board of Supervisors
4. Capital Project Evaluation Refinements
5. Break
6. Subregional Opportunity Fund
7. 2008 Committee Schedule and Work Program
8. Next Steps

2008 Advisory Committee Schedule

	Jan.	April	May	Aug.	Nov.	
Board of Supervisors			Mid-May Subregional opportunity fund decision	Aug. 31st Review Advisory Committee report	2009 Budget and work program	
Advisory Committee		April 4th Meeting Subregional temp read Implementation opportunity factors	1st week of May Subregional decision Chair and bylaws Programmatic actions Cap projects temp read	May 29th or 30th–Work program recommendations Budget recommendations	Aug. 31st Submit annual report to Board	
BTCs	Jan. Meeting Subregional implementation opportunity factors	April 14th-25th Evaluate projects Recommend sequencing	Mid-May Further review and analysis as necessary			

**2008 FCZD Work
Program Status Report**

2008 Capital Projects

From 2-3 projects/year to....

55 capital projects

- Immediate flood damage repair (29)
- Levee rehabilitation and reconstruction (10)
- Acquisitions to reduce flood risk (9)
- Elevations to minimize flood risk (4)
- Technical studies (3)

Project Success Stories: Briscoe Levee Rehabilitation (2007)



← *Briscoe Levee #4 – Constructed Summer 2007*



Briscoe in 8-10 years: Narita Levee setback 8 years after construction →

Project Success Stories: Cedar Grove Mobile Home Park Acquisition and Relocation

- Residents at risk from deep, fast floodwaters
- Sole access roads cut off by floodwaters
- Emergency evacuations in the 1990s
- History of water supply contamination
- Voluntary acquisition from willing seller
- Relocation of residents per Federal law



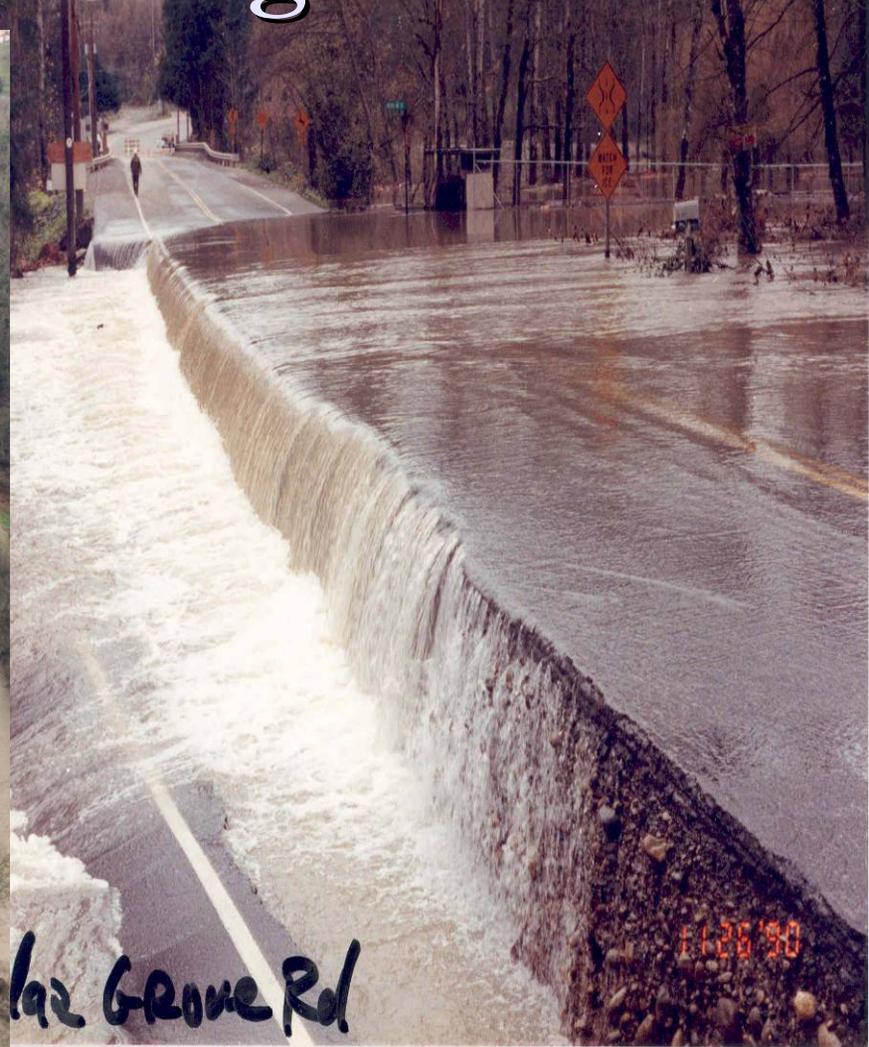
Cedar Grove Flooding - 1975



Cedar Grove Flooding - 1990



Cedar Grove Flooding - 1995



Cedar Grove Rd

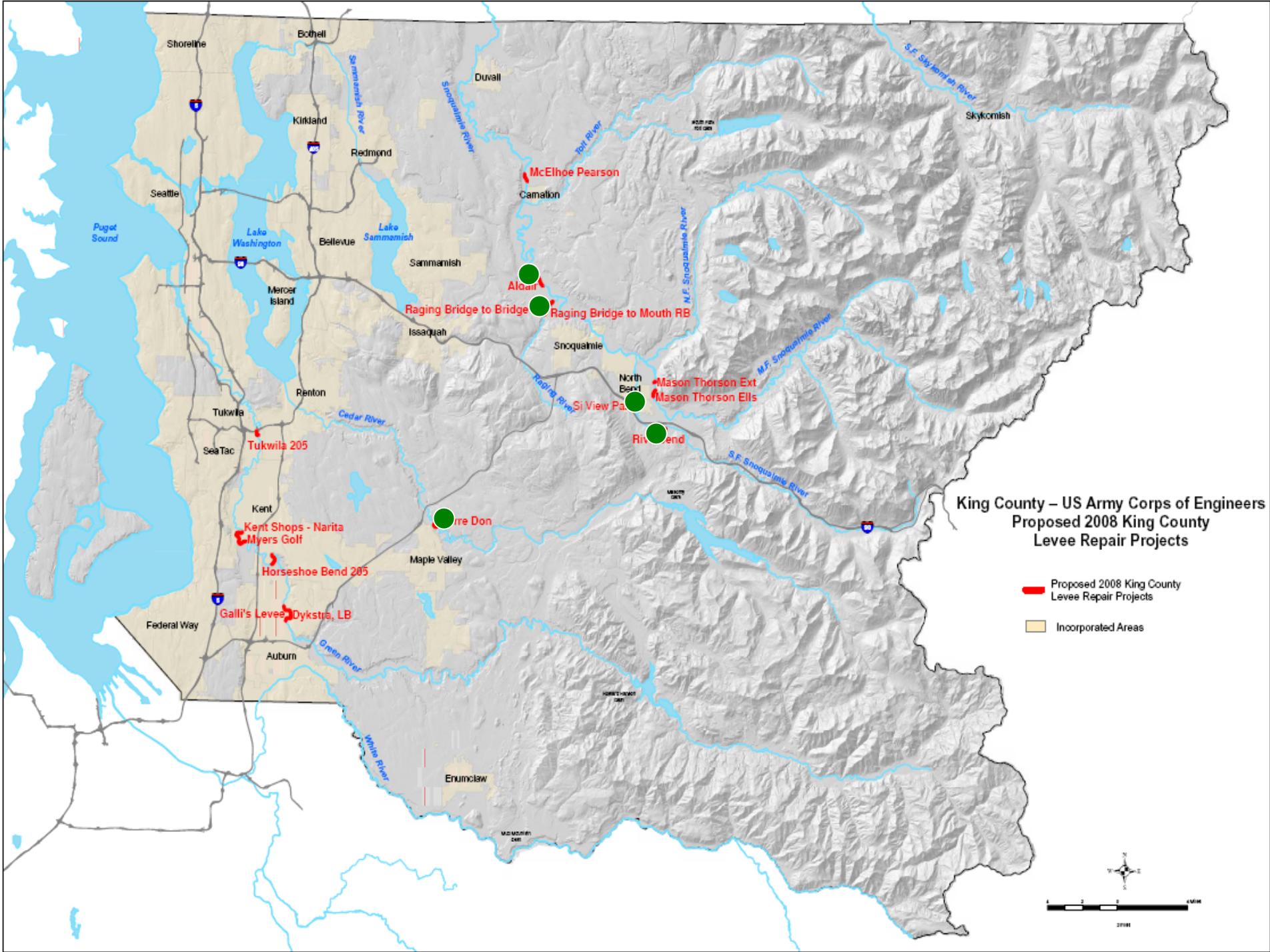
Cedar Grove and Rainbow Bend

- Buyout of multiple parcels
- Increase flood storage and conveyance, protect SR-169, Cedar River Trail, and downstream residents
- Funding from 12 agencies
- Leverage FCZD funds by more than 2:1
- Supports regional public safety, public health, habitat, and open space objectives



Flood Damage Repairs and the Army Corps of Engineers

- November 2006: \$33 million in repairs identified
- Leverage nearly \$10,000,000 in federal funds for critical repairs
- PL 84-99 Program: 80% / 20% cost share on non-federal levees, 100% on federal levees
- Funding eligibility requires compliance with Corps vegetation management policies and removal of trees over 4" diameter
- 15 projects evaluated for program; 10 will be completed by Corps
- 5 projects will be completed by King County to avoid removal of >375 trees with minimal loss of federal funds



**King County – US Army Corps of Engineers
Proposed 2008 King County
Levee Repair Projects**

- Proposed 2008 King County Levee Repair Projects
- Incorporated Areas



Map labels include: Shoreline, Bothell, Duvall, Kirkland, Redmond, Camanion, Skykomish, Seattle, Bellevue, Sammamish, Issaquah, Snoqualmie, North Bend, Renton, Tukwila, SeaTac, Kent, Maple Valley, Auburn, Enumclaw, Shoreline, Federal Way, Mercer Island, Lake Washington, Lake Sammamish, Cedar River, Green River, White River, Raging River, M.F. Snoqualmie River, S.F. Snoqualmie River, Puget Sound, Skykomish River, Topi River, Raging River, Cedar River, Green River, White River, M.F. Snoqualmie River, S.F. Snoqualmie River.

Proposed 2008 King County Levee Repair Projects (Red lines/dots):

- McElhoe Pearson
- Algar
- Raging Bridge to Bridge
- Raging Bridge to Mouth RB
- Mason Thorson Ext
- Mason Thorson Ells
- Si View Pa
- Riv
- end
- re Don
- Kent Shops - Narita
- Myers Golf
- Horseshoe Bend 205
- Gall's Levee
- Dykstra, LB
- Tukwila 205

Other Efforts to Leverage District Funds

- Preliminary Approval
 - \$760K FEMA grant for Alpine Manor Floodplain Buyout
 - \$870K FEMA grant for Shamrock Park
 - 3:1 cost share
- Submitted
 - \$3 million FEMA grant for Elliott Bridge Acquisition and Levee Setback
 - 3:1 cost share
- In development:
 - \$3 million FEMA grant for flood hazard mitigation
 - 3:1 cost share

Update:
FCZD Board of Supervisors

Board of Supervisors Actions

- Approved recommended work program
- Approved 10 cent levy rate
- Council decision to discontinue River Improvement Fund levy
- Allocated 10% of revenues for the Subregional Opportunity Fund (approx \$3.2M in 2008)
- Requested Advisory Committee input on the Opportunity Fund
- Formed Executive Committee

Capital Project Evaluation Refinements

How did we prioritize projects in 2008?

■ Flood Risk Factors

- Consequences: What would happen if no action were taken?
 - Critical facilities and residential vs undeveloped land
- Severity: How serious is the impact?
 - Human injury or death vs little or no damage
- Extent of Impact: What is the scale of the problem?
 - Impacts beyond the area of flooding vs. localized
- Urgency: How soon will the impacts occur?
 - Next high flow event vs. Risks are not rapidly increasing

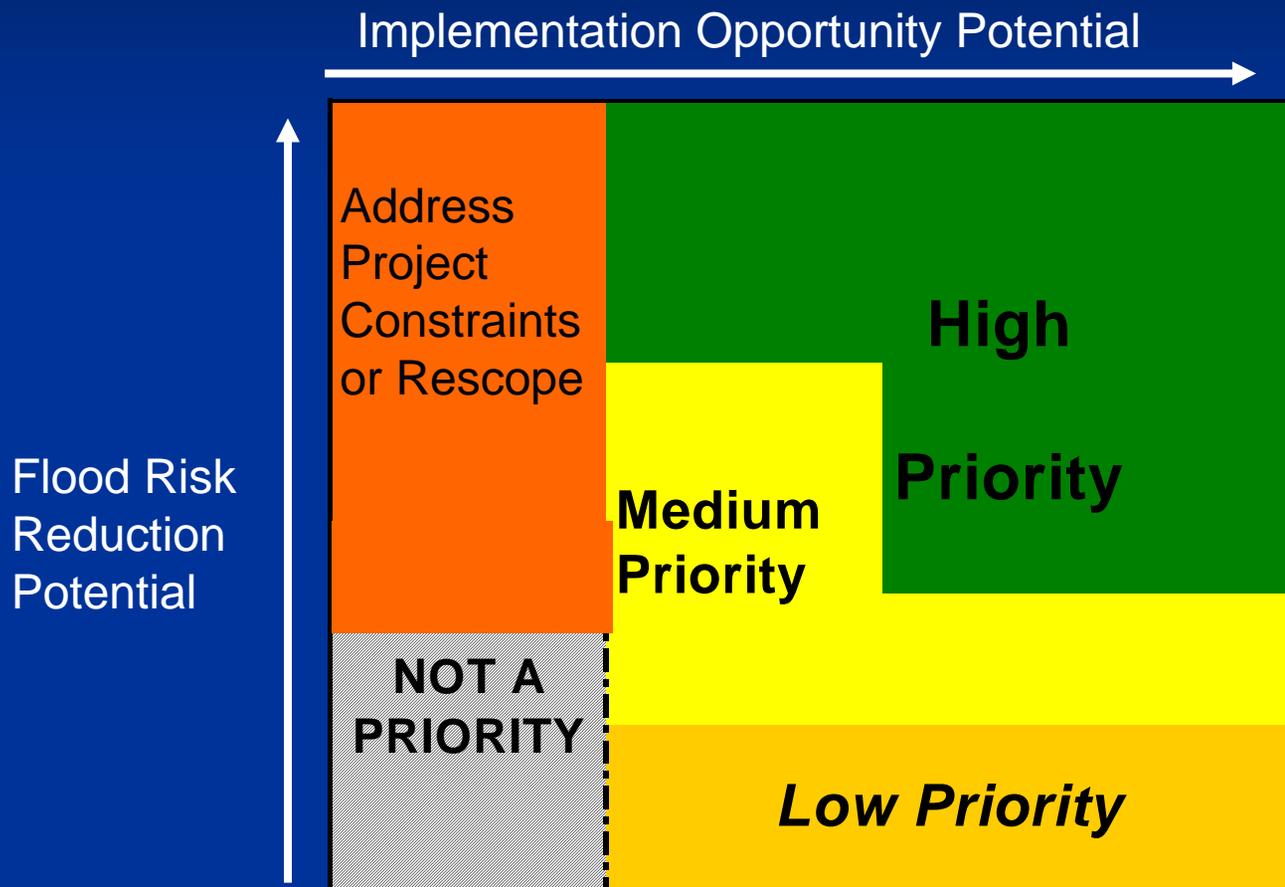
■ Project Sequencing

- Consideration of readiness, opportunity, leveraging – not scored

Refinements for 2009

- Update flood risk reduction score if necessary
- Implementation Opportunity factors:
 - How are priorities sequenced over the 10-year period?
 - How is 'readiness to proceed' incorporated?
 - How is 'readiness to proceed' defined?
 - Does the project leverage District funds?
 - Does the project support multiple objectives?

Evaluation Criteria: Project Evaluation Approach



NOTE: This is a conceptual diagram and is not intended to imply clear and distinct thresholds between these categories.

Developing Strategies for each Project

- Objective is to move projects toward high benefit and high opportunity
- Actions with moderate to high benefit and moderate to high opportunity would be high priorities
- Actions with high benefit but low implementation opportunity require action to address project constraints and/or rescope projects

Responding to AC and BTC Feedback: Implementation Opportunity Factors

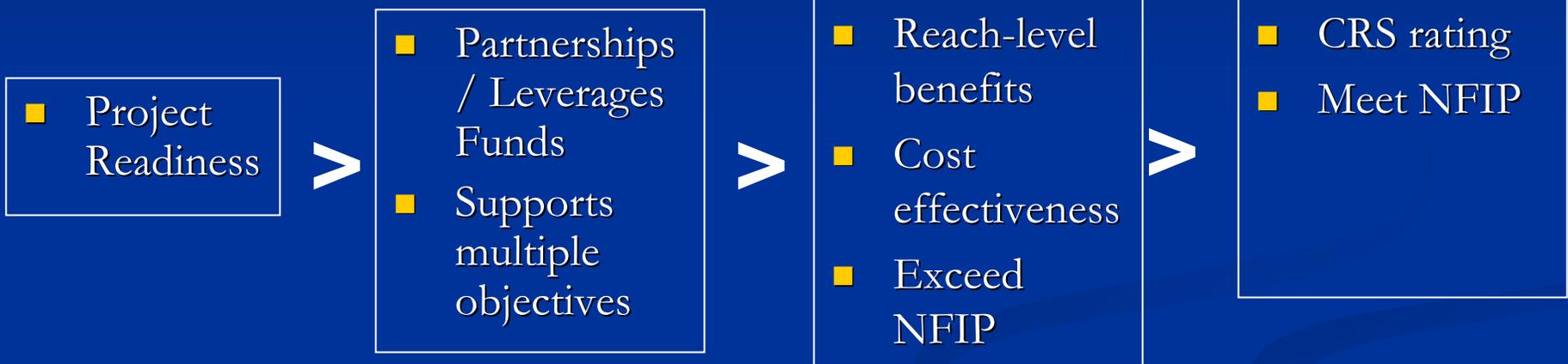
- Project Readiness
- Partnerships / Leverages Funds
- Supports multiple objectives
- Cost-Effectiveness
- Reach-level vs. Site-Specific Benefits
- Programmatic Activities
 - Community Rating System
 - meet or exceed NFIP
 - Active CIP program
 - Active O&M program

What do we mean by 'Readiness'?

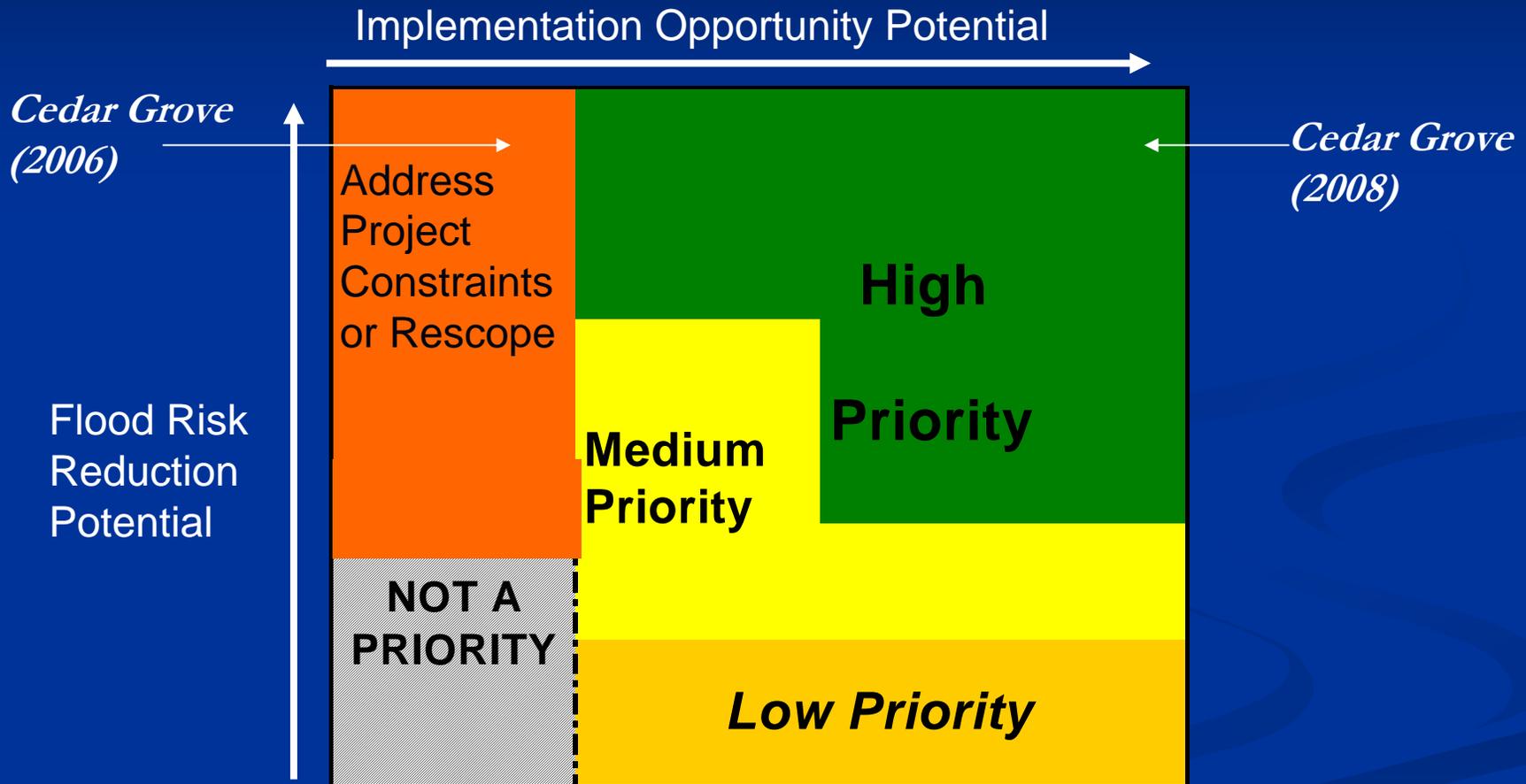
Maximum points when project is ready for construction or acquisition:

- For construction projects, landowner negotiations are in progress for any acquisitions that may be necessary, and/or design is complete and permits are in hand.
- For floodplain buyouts, appraisals are complete and landowner negotiations in progress.

Proposed Relative Weight of Implementation Factors



Evaluation Criteria: Project Evaluation Approach



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Questions:

- Do you support applying these evaluation factors to the capital project list?
- Do you support the relative weighting proposed for each factor?

FCZD Subregional Opportunity Fund

A Brief History of 'Subregional'...

- Formation of FCZD: “subregional flood needs on tributaries”
- Advisory Committee Recommendations
- Resolution 2007-03 (November 07):
 - 10% allocated to “flooding problems unrelated to mainstem rivers or large tributaries”
 - “the sub-regional allocations should reflect in part benefits for those jurisdictions that provide funding but which experience flooding unrelated to main stem rivers and large tributaries”

Opportunity Fund Overview

- Funding Available (10% of levy revenue)
 - 2008 \$3.211 million (projected)
 - 2009 \$3.349 million (projected)
- District not authorized to issue grants
- Timeline: definition by April 15th, allocation recommendations in August report
- Incorporate recommendations into 2009 budget

Opportunity Fund Options

- Allocation Method
 - Competitive or allocate based on assessed value
- Eligible Actions
 - Flooding problems or watershed management actions that may include flooding
- Geographic Scope
 - Streams not included in the 2006 Flood Plan or any surface water body

Input from BTCs and Jurisdictions

- Simple, straightforward, and transparent process
- Focus BTC expertise on the capital project list
- Broad eligibility, enable jurisdictions to address most pressing needs
- Stable funding source preferable to a speculative allocation process
- Maintain opportunity to partner across boundaries
- Support proportional allocation to each jurisdiction
- Accountability for District funding

Temperature Read #1

1. Allocation Method: Should the Opportunity Funds be allocated through a competitive process, or should funds be allocated to each jurisdiction proportional to their contribution to the District's revenues?

Temperature Read #2

2. Eligible Activities: Should the Opportunity Fund focus narrowly on flooding problems or more broadly on watershed management activities that are authorized under the statute?

Temperature Read #3

3. Geographic Scope: Should the Opportunity Fund be constrained to those stream systems that are not included in the District's Comprehensive Plan, or cast more broadly to include any surface water body?

2008 Committee Schedule and Work Program

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Discussion Items

- Capital project prioritization and sequencing results
- Recommended capital projects for 2009
- Programmatic activities
 - Countywide flood preparedness and flood warning
 - Flood facility maintenance
 - Flood hazard studies and mapping
 - Flood hazard planning and grants
 - Community Rating System