Advisory Committee Meeting
June 16, 2011

Protecting public safety, the regional economy and critical infrastructure.
2011 Proposed Capital Reprioritization
Discussion

- Do you support the proposed 2011 capital reprioritization?
  
  *Unanimous ‘Yes’ at May 19 meeting*
  
  …but need to be clearly responsive to Board resolution.

- Do you support the 2012-2016 CIP list?
2012-2017 Budget
Flood Control District Work Program Overview

Flood Risk Reduction Approach:
- Identify hazards
- Assess risk and vulnerabilities
- Build awareness of hazards
- Develop a plan and strategy to reduce risks
- Actions to avoid risk
- Actions to reduce or mitigate risk
- Evaluation and adaptation

Flood District Work Program
- Flood Preparedness, Regional Flood Warning Center, and Post Flood Recovery
- Planning, Grants, Mitigation, and Public Outreach
- Flood Hazard Assessments, Mapping, and Technical Studies
- Resource Management, Annual Maintenance, and Facility Monitoring
- Capital Projects
2012 Budget Elements:
How do we deliver the work program?

- **District Administration**
  - Executive Services, Legal, Communications, Accounting
  - Scope and budget determined by Board

- **Capital Program**
  - Flood facility rehabilitation
  - Repairs
  - Acquisitions
  - Elevations

- **Operating Program**
  - Flood Warning, Technical Studies, Planning, Outreach, Grants, Facility Maintenance
## Expenditures: Actual and Proposed

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<td><strong>Capital</strong></td>
<td>$13,084,183</td>
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<td><strong>Operating</strong></td>
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<td><strong>District Admin</strong></td>
<td>$213,732</td>
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Capital Budget

- Major 2012 Revisions from 2011-2016 CIP
  - $4M from state for Green River, new projects at Boeing Levee and Hawley
  - Adjustments to Upper Russell Road cost estimate
  - $30.43M in capital improvements for 2012

- 2012-2017
  - Removed out-year grant revenue assumptions to be more conservative
  - Several 2016-only appropriations shifted to 2017 to maintain authority (e.g. SR 202 Bridge widening)
  - Fund balance in red beginning in 2013 – financing or adjustments will be needed.
2012 Operating Budget

- Increase of @ $2M from 2011
  - Enhanced vegetation management
  - Recreational River Safety
  - Flood Warning Center and Patrols
  - Changed assumptions regarding work program implementation
  - Desired flood risk reduction outcomes require additional functions
Proposed Work Program Change: Vegetation management

- Increased level of effort to respond to USACE requirements for PL 84-99
- Draft individual levee variances consistent with regional framework effort
- Intent is to reduce vegetation and mitigation costs in the future via improved variances
Proposed Work Program Change: Recreational Safety

- Existing work program includes:
  - Capital project design review with boater groups
  - Website with locations of large wood installations
  - Management of natural wood with Sheriff’s Office
  - Signage

- 2012 Scope includes pilot funding for a non-profit to provide river safety training

Cedar River 2010
Pool formed by Naturally-Occurring Large Wood
Proposed Work Program Change: Flood Warning and Patrols

- Costs projected based on actuals (2008-May 2011)
- January 2009 and January 2011 events were greater level of effort
- Increased patrol costs due to Howard Hanson Dam situation and presence of Supersacks
- Projected for flood events – if no flood….no expenditures
- Potential for FEMA reimbursement
Work Program Delivery: What does the 2010 Carryforward tell us?

Total 2010 Capital Carryforward: $39,300,000

- Encumbered engineering contracts $3,000,000
- Teufel acquisition (Jan 2011) $2,100,000
- Subregional Opportunity Fund $5,500,000
- Grants $3,000,000

Remaining 2010 Carryforward $25,700,000
Work Program Delivery: What does the 2010 Carryforward of $25.7M tell us?

Carryforward by Project Phase
- Eng Design: 40%
- Acquisitions - Green: 19%
- Acquisitions - Lower Snoq: 12%
- Acquisitions - White: 11%
- Acquisitions - Tolt/Raging: 8%
- Acquisitions - Cedar: 1%
- Countywide - Maintenance, Monitoring, Emergency: 2%

Carryforward by Basin
- Green: 38%
- Lower Snoq: 17%
- Upper Snoq: 13%
- White: 5%
- Tolt / Raging: 11%
- SF Skykomish: 1%
- Countywide - Maintenance, Monitoring, Emergency: 2%
- Carryforward: 0%
Work Program Delivery: Changed assumptions since 2007

**Contract Administration:**
- Capital construction goes out to bid rather than relying on Roads Division crews. This results in greater reliance on contracting for engineering design and construction.
- Procurement reform efforts greatly increase contracting capacity – new capacity for additional $15M with up to 60 work orders.

**Construction Management and Inspections:**
- Necessary to oversee work implemented by contractors rather than County crews.
- Quality control for bid packages to minimize change orders.
- 5-7 major projects going to construction in 2013, additional projects in 2014-2017.
Work Program Delivery: Changed assumptions since 2007

- **Engineering Design**
  - Develop levee vegetation variances for PL 84-99 levees; implement new variance template
  - Design work and permitting for Upper and Lower Russell projects now that Corps ERP is not viable
  - Maintain peak capacity at Black River Pump Station by removing accumulated sediment.
  - Annual inspection reports for accredited levees.

- **Field Technical Support**
  - Pre- and post-construction monitoring
  - Channel migration studies
  - Post-flood channel monitoring
Work Program Delivery: Changed assumptions since 2007

- **Maintenance Needs**
  - More projects completed in 2008-2010; creates greater need for maintenance and permit-required 5-yr monitoring for 50+ completed projects and 15 additional large construction projects scheduled to be completed during the next 6 years.
  - Backlog of demolitions for 15-20 acquisitions/year; vacancies are an ‘attractive nuisance’ that bring some liability.
  - Vegetation management needs have increased significantly based on Army Corps of Engineers PL 84-99 requirements.
  - Increased recreational safety concerns have led to more large wood investigations and management actions.
  - For demolitions, King County code and policy calls for greater reuse and recycling. Income could be generated from recycling, but resources needed to develop program.
Work Program Delivery: Changed assumptions since 2007

- **Policy and Planning**
  - Policy research and development
  - Grant pipeline – increase external revenue by $1-2M/yr, leverage between $4:$1 to $9:$1
  - Opportunity fund administration – 53% carryforward for 2008-2010

- **Insurance and Legal:**
  - One-time increase to legal costs in 2012 based on 2011
    *(will be changed for financial plan – currently shows all years)*
  - Risk management adjustments based on increased size of program, the risks associated with the work, and legal settlement
Capital Project Life Cycle

Initiating Process
- Gate 1: Approve Charter
  - Proceed to Planning Process

Planning Process
- Gate 2: Proceed to Pre-design Phase
- Alternatives analysis & selection
- Develop selected alternative

Executing Process
- Gate 3: Set Baselines
  - Proceed to Final Design Phase

Closing Process
- Gate 4: Briefing at Final Acceptance

Policy / Planning / Grants
Engineering Design
Field Tech Support
Construction Mgmt & Inspections
Contract Administration
Maintenance
## 2012 Proposed Budget

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<tr>
<th>Program</th>
<th>2012 Proposed Budget</th>
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<tbody>
<tr>
<td>District Administration</td>
<td>$473,000</td>
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<tr>
<td>Maintenance and Operations (Operating Programs)</td>
<td>$9,162,169</td>
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<tr>
<td>Construction and Improvements</td>
<td>$30,430,046</td>
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<tr>
<td>Fund Balance (Reserves)</td>
<td>$6,797,770</td>
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<td><strong>Total</strong></td>
<td><strong>$46,862,985</strong></td>
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Questions
2012 Budget

Do you support the proposed budget programs for 2012?

a) Scope of Work

b) Maintenance and Operations - $9.1M

c) Construction and Improvements - $30.4M

What comments or concerns would you like to convey to the Board to inform their 2012 deliberations?
Questions

2012-2017 Capital Program

- Do you support the 2012-2017 Capital Program, recognizing that alternative financing will be needed beginning in 2013?

- What comments or concerns would you like to convey to the Board to inform their 2012 deliberations?