



KING COUNTY  
FLOOD CONTROL  
DISTRICT



**King County**

# 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

	2008 actual	2009 actual	2010 actual	2010 Carryforward	2011 Revised	2012 Proposed
Capital	\$13,084,183	\$19,034,655	\$26,523,921	\$39,560,582	\$24,967,869	\$30,430,046
Operating	\$4,517,110	\$5,399,826	\$5,914,061	\$698,579	\$7,107,188	\$9,162,169
District Admin	\$213,732	\$501,214	\$432,938	\$173,539	\$473,000	\$473,000

# 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



Cedar River 2010  
Pool formed by  
Naturally-Occurring Large Wood

- 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

# 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?

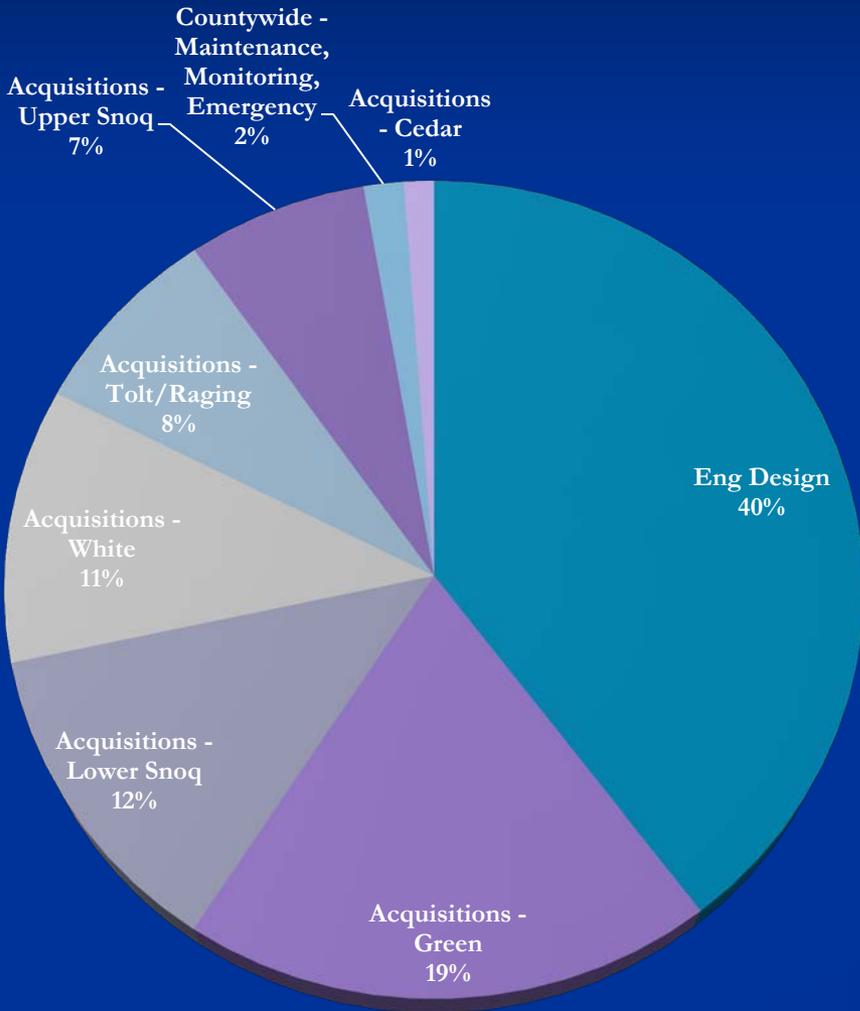
Total 2010 Capital Carryforward: **\$39,300,000**

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

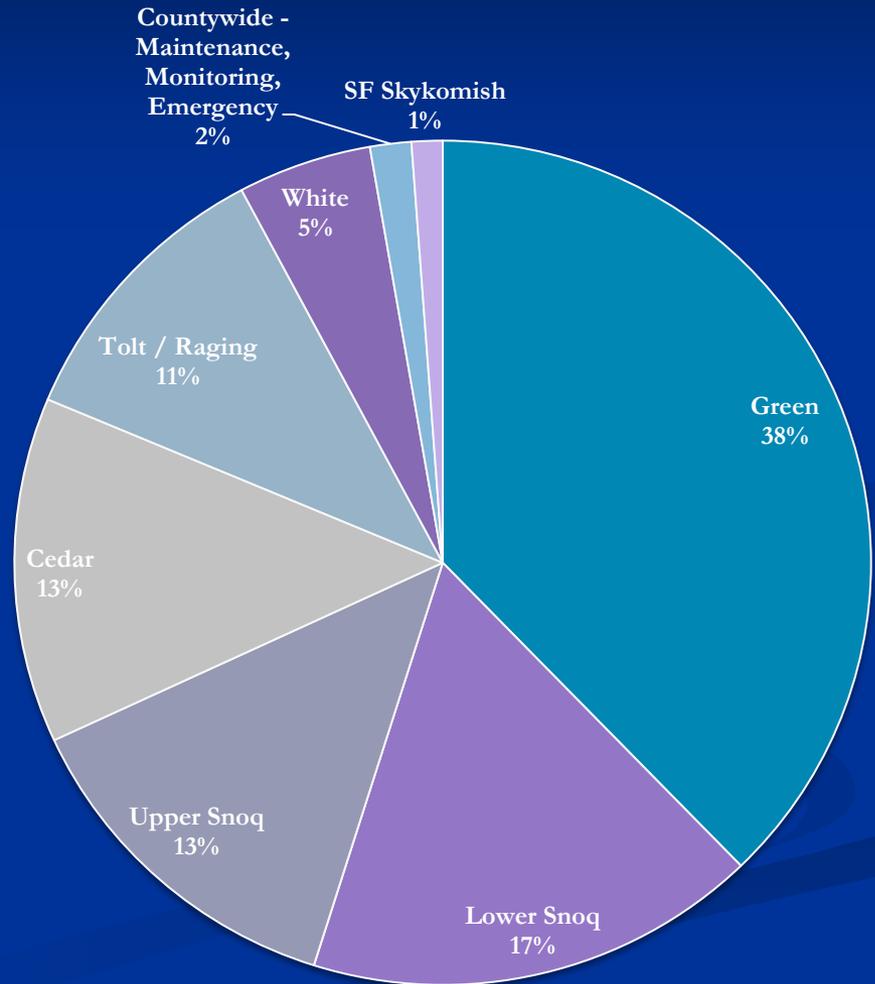
Remaining 2010 Carryforward **\$25,700,000**

# Work Program Delivery: What does the 2010 Carryforward of \$25.7M tell us?

## Carryforward by Project Phase



## Carryforward by Basin



# 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

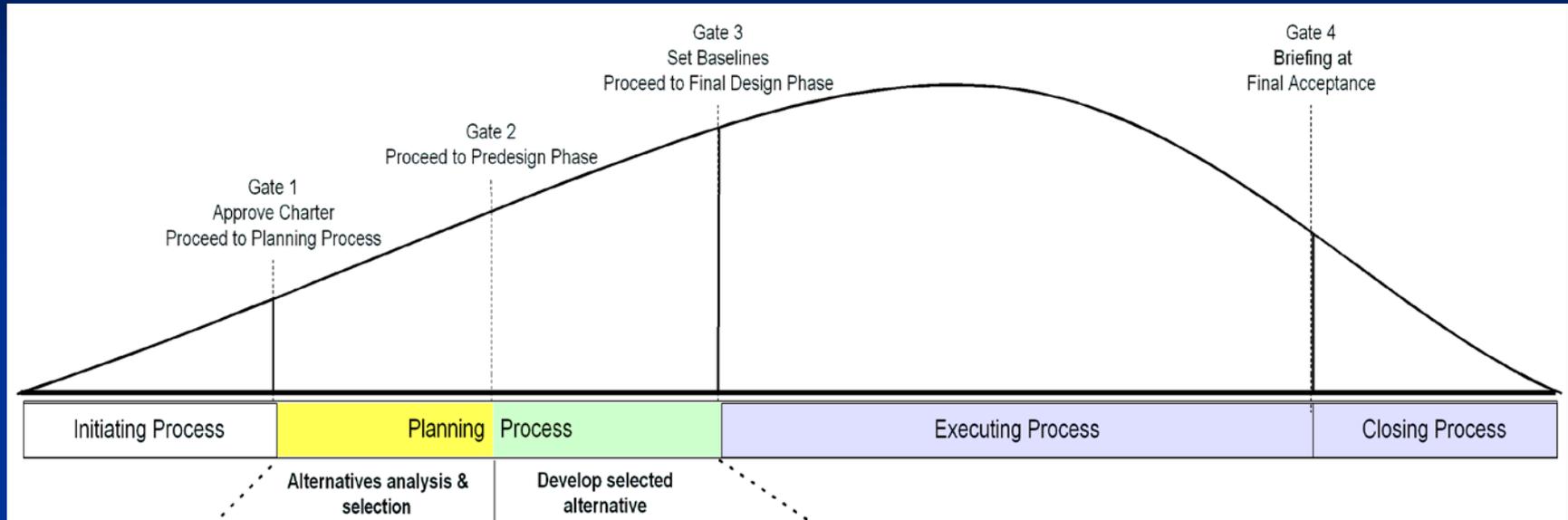
### ■ Policy and Planning

- 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



Policy / Planning/ Grants

Engineering Design

Field Tech Support

Construction Mgmt & Inspections

Contract Administration

Maintenance

# 2012 Proposed Budget

Program	2012 Proposed Budget
District Administration	\$473,000
Maintenance and Operations (Operating Programs)	\$9,162,169
Construction and Improvements	\$30,430,046
Fund Balance (Reserves)	\$6,797,770
Total	\$46,862,985

# 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?