



Executive Committee

Staff Report

Agenda Items:	A RESOLUTION adopting Provisional Level of Protection Goals for the Green River System-Wide Improvement Framework	Name:	Mark Hoppen
Proposed No.:	FCD2014-0X	Date:	September 8, 2014

SUBJECT

This resolution adopts provisional Level of Protection goals for the Green River System-Wide Improvement Framework.

BACKGROUND

Why do We Need Provisional Level of Protection Goals?

Current levels of protection vary within the Lower Green River and may be inadequate for the protection of current land uses. Consensus is needed for design and management of specific levee systems or shoreline reaches. System-wide Improvement Framework priority capital projects need to have conceptual planning-level design completed and level of protection goals will inform this design process. Level of protection goals will affect future budget decisions, capital project investments, and the timing of capital program delivery.

The Process Leading to a Provisional Level of Protection Recommendation

The Green River System-wide Improvement Process is a plan approved by levee sponsors and approved by the US Army Corps of Engineers to implement system-wide improvements to a levee system to optimize flood reduction and to facilitate solutions that cannot be accomplished through routine corrective actions. The process is intended to allow levee systems to remain eligible for PL84-99 funding.

On August 20, 2014, the Green River SWIF Technical Advisory Committee met at the Tukwila Community Center and unanimously recommended levels of protection expressed on the map attached to the proposed resolution to the King County Flood Control District Executive Committee as the provisional Level of Protection Goals for the Green River System-wide Improvement Framework process.

The level of protection discussion at the TAC centered on mapping that indicated reduction of three future Lower Green River shoreline conditions: 1) maintenance of current conditions; 2) commitment to improved flood protection; and 3) optimal or maximum flood protection (e.g., 18,800 cfs containment) into just two categories, maintenance of current conditions or commitment to 18,800 cfs containment. These goals will remain provisional until the System-wide Improvement Framework outcomes are approved by the United States Army Corps of Engineers.

Level of Protection goals do not equate to future alignment of flood protection facilities. Facility alignments will be identified through subsequent phases of the System-wide Improvement Framework process.

The Map and Rough Cost Estimates

The map indicates the extent of preferences and possibilities for capital improvement. The black shading indicates a planning focus to maintain the current condition and/or current level of protection (20.4 miles of the Lower Green River, 44.9% of total). The gray hatched shading indicates a planning focus to increase level of protection (25.1 miles of the Lower Green River, 55.1% of total). Cost estimates for projects connected to this proposed provisional level of protection scenario fall in the range of \$475 million to \$525 million, a range that has not changed from the initial provisional level of protection estimate.

Next Steps in the SWIF Process

The System-wide Improvement Framework process is now more than 50% complete and on schedule. The process is near the completion of the alternatives analysis and entering the phase of decision-making that should result in a preferred alternative with 10-12 capital project recommendations. The final System-wide Improvement Framework products are anticipated to be completed for submission to the USACE by February, 2015.

SUMMARY

Jennifer Knauer, Water and Land Resources Division, will be available to answer questions pertaining to the analysis and reduction of the three initial provisional level of protection goals into two.