



August 14, 2013

TO: Chehalis River Basin Flood Authority Members
FROM: Scott Boettcher, Staff
SUBJECT: Flood Warning System – 2014 Cost Allocation Scenarios

At the July 18, 2013 Flood Authority meeting staff were tasked with preparing a cost allocation scenario based on (1) a basin-wide population charge and (2) a floodplain assessed value charge. This is option #1 in the following spreadsheet. In the course of developing option #1, Lewis County proposed an alternative cost allocation scenario (option #2 in the spreadsheet) based on (1) a basin-wide population charge and (2) a historic flood damage based charge. Both of these scenarios will be discussed on Thursday's call (8/15/2013; 11:00 a.m.).

The following materials have been prepared and are presented here to help you prepare for tomorrow's discussion where we will be seeking consensus on the preferred allocation:

- Page 1 – Staff memo.
- Page 2 – Letter from Commissioner Fund, Lewis County outlining rationale and benefits of an alternative allocation approach based on a basin population charge and a historic damage charge.
- Page 3 – Summary document comparing the 2013 allocation approach against the two proposed 2014 allocation approaches.

You'll note an increase in the annual maintenance cost from \$53,585 to \$61,085. This is attributable to: (1) a \$1,500 charge to cover invoicing and payment processing by Lewis County (24 invoices over course of year); and (2) a \$6,000 charge to build a small inventory of extra parts and maintenance supplies.

I will be around all day today and all morning tomorrow if any Flood Authority member wishes to discuss any of the detail or methodology behind the cost-allocation approaches presented here. I can be reach at 360/480-6600 or scottb@sbgh-partners.com.

Thank you.



Board of County Commissioners

Lewis County Courthouse
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August 14, 2013

To: Chehalis River Basin Flood Authority (CRBFA) Members
From: Edna J. Fund, Lewis County Commissioner, District 1
Lewis County CRBFA Representative
RE: CRBFA Flood Warning System Allocation Recommendation

With the assistance of Scott Boettcher, we have reviewed the allocation for the flood warning system as a follow-up to the CRBFA's July 2013 meeting.

If the funding formula for the Chehalis River Basin flood warning system is changed so that allocations are made 50% on populations of communities prone to flood and 50% based on historic FEMA flood insurance payments, the assessment for every jurisdiction on the CRBFA would be reduced or eliminated, with the exception of Lewis County.

Lewis County proposes the following allocation:

- The 3 county governments will be responsible for payment as follows:
 - Lewis County -- \$39,022 (64%).
 - Grays Harbor County -- \$13,504 (22%).
 - Thurston County -- \$8,557 (14%).
- Lewis County will not ask for contributions from Pe Ell or Napavine. Thurston and Grays Harbor County governments can choose to seek contribution from cities who are members of the CRBFA in their county, or not. That choice will be left to the local governments to resolve within their county. (However, under any scenario the payments by every jurisdiction in Thurston and Grays Harbor counties will be substantially lower than under the 2013 formula.)
- Lewis County will continue to be the fiscal agent and the CRBFA will authorize Lewis County to attempt to lower the overall cost of the system. Any savings achieved will come back to Lewis County in 2014 and be allocated across the basin in years to follow.

We propose this change because it is more equitable. Lewis County gets hit first by the major floods in the basin. We benefit most from the early warning. We suffer the greatest amount of damage. All residents and communities in the basin suffer damage or risk when major roads are closed including Highway 12, Highway 6 and I-5. Continuing to base 50% of the formula on population is fair also.

Please review the attached spreadsheets prepared by Scott prior to our Thursday conference call. Scott is prepared to answer any questions about it. Look forward to our discussion on Thursday.

Attachment: Spreadsheets by Scott Boettcher

(2)

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P.W. Schulte
Second District

F. Lee Grose
Third District

Karri L. Muir, CMC
Clerk of the Board

bocc@lewiscountywa.gov

Summary Comparison

Jurisdiction	Basin Population		National Flood Insurance Program Losses (1978-2009)	Floodplain Assessed Value		Current 2013 Allocation Based on Basin Population in Jurisdiction		Option 1 Based on Basin Population in Each Jurisdiction and Value in Floodplain		Option 2 Based on Basin Population in Each Jurisdiction and Percentage of Flood Damages	
	#	%		%	\$	%	\$	%	Total	%	Total
Grays Harbor County	28159	21%		\$ 794,398,373	26%	\$ 13,804.39	26%	\$ 13,630.94	22%		
* Aberdeen	16896	13%		\$ 1,061,826,072	35%	\$ 6,783.95	13%	\$ 11,149.47	18%		
* Cosmopolis	1649	1%		\$ 76,735,817	3%	\$ 662.09	1%	\$ 951.62	2%		
* Montesano	3976	3%		\$ 9,494,390	0%	\$ 1,596.41	3%	\$ 1,403.44	2%		
* Oakville	684	1%		\$ 53,018,414	2%	\$ 274.63	1%	\$ 502.29	1%		
Grays Harbor County (Total)	51364	38%	6%							\$ 13,504.38	22%
Lewis County	24579	18%		\$ 290,293,119	10%	\$ 9,189.41	17%	\$ 9,851.50	16%		
* Centralia	16524	12%		\$ 272,797,626	9%	\$ 6,559.10	12%	\$ 7,017.17	11%		
* Chehalis	7259	5%		\$ 246,924,522	8%	\$ 2,914.58	5%	\$ 3,727.79	6%		
* Napavine	1766	1%		\$ 16,512,123	1%	\$ 709.07	1%	\$ 685.78	1%		
* Pe Ell	632	0%		\$ 5,563,411	0%	\$ 253.76	0%	\$ 243.66	0%		
Lewis County (Total)	50760	38%	90%							\$ 39,022.78	64%
Thurston County	31722	24%		\$ 165,914,437	6%	\$ 10,611.96	20%	\$ 11,654.91	19%		
* Bucoda	562	0%		\$ 14,747,083	0%	\$ 225.65	0%	\$ 266.42	0%		
Thurston County (Total)	32284	24%	4%							\$ 8,557.84	14%
Totals -->	134408	100%	100%	\$ 3,008,225,388	100%	\$ 53,585.00	100%	\$ 61,085.00	100%	\$ 61,085.00	100%