

Scott Boettcher

From: Scott Boettcher
Sent: Tuesday, July 3, 2018 7:25 AM
To: 'Andrew Kinney'
Cc: Tim Rubert; Cynthia Wilson; Sandy Eccker; Jeremy Davis; colronjanaverill@comcast.net
Subject: RE: Grant Application

Thank you Andrew. Your proposal has been rec'd on time.
Scott

Scott Boettcher, Staff
Chehalis River Basin Flood Authority
360/480-6600
scottb@sbgh-partners.com

From: Andrew Kinney <KinneyA@co.thurston.wa.us>
Sent: Monday, July 2, 2018 2:00 PM
To: Scott Boettcher <scottb@sbgh-partners.com>
Cc: Tim Rubert <rubert@co.thurston.wa.us>; Cynthia Wilson <cynthia.wilson@co.thurston.wa.us>; Sandy Eccker <ecckers@co.thurston.wa.us>; Jeremy Davis <jeremy.davis@co.thurston.wa.us>
Subject: Grant Application

Scott – Attached is a placeholder application to continue Thurston County's program to elevate or buy out structures within floodways and floodplains in the Chehalis Basin. I'm expecting the County to grant permission for an official application by the end of July. I'll keep you posted. Site selection has gotten easier because homeowners are understanding the process and like the work being completed. Thurston County now maintains a list of property owners that wish to participate.

Please contact me if you need any additional information. Thank you for this opportunity to continue our program. Andrew

Andrew J. Kinney
Thurston County Emergency Management
9521 Tilley Rd S
Olympia WA 98512
kinneya@co.thurston.wa.us
Office: 360.867.2827

Part I General	
1. Date:	July 2, 2018
2. Project Name:	Flood Damage Reduction for Thurston County in the Chehalis Watershed.
3. Project Location -- Please identify location of the project as precisely as possible, including providing decimal degree latitude/longitude coordinates.	See List on last page
4. Project Contact -- Please identify who will be responsible for overseeing and managing the project (i.e., name, email, telephone number, etc.).	Tim Rubert 360.867-2123 rubert@co.thurston.wa.us
5. Sponsor -- Please identify the sponsor, lead organization, primary entity, etc. responsible for this project. Please identify key partners responsible for assisting in delivery or implementation of project.	Thurston County Emergency Management Division – partner Confederated Tribes of the Chehalis Reservation – potential partner.

Part II Description, Timing, and Cost	
6. Project Description -- Please describe the project, what is intended to be accomplished, the benefits to be accrued (flood hazard reduction and otherwise) and to whom. Please also identify what phase/stage of the project funding is being sought for (e.g., planning, preliminary engineering, final design and permitting, construction, etc.).	Part I Elevate and/or buy out and remove residential structures in Thurston County in the floodplain of the Chehalis River watershed. NOTE: All or part of this project can be funded. Thurston County will elevate or buy out whatever structures are within the budget.
7. Project Timeline -- Please describe the timeline and phases for completion of the overall project and describe the timeline for completion of the phase to be funded by 19-21 funding.	Project will be completed by June 30, 2021. In 2015 Thurston County worked with French Wetmore to identify appropriate structures for elevation and/or buy out and remove. This list will be utilized to create a prioritize list of interested residences by July 31, 2019. Bid and contractor selection will be completed by October 31, 2019 and contract work completed by June 30, 2021.

8. Project Cost and Funding -- What is the cost of the overall project (or anticipated cost)? What is the cost of the phase to be funded by 19-21 funding? What are the on-going maintenance and operation requirements and costs? Is it clear who will be responsible for covering on-going maintenance and operation costs?	Thurston County proposes to elevate structures 2' above the BFE or documented high water, whichever is greater or buy structures within the floodway. Total cost is estimates at \$500,000.00. The number of structures will depend on costs. There will be no on-going maintenance costs, either residential structures will be elevated and be the responsibility of the homeowner or bought-out and removed. NOTE: All or part of this project can be funded. Thurston County will elevate or buy out whatever structures are within the budget.
9. Other Funding -- Please explain the extent to which other funding sources, funding partners are available for this phase and any other phase of the project.	Presently there are no additional funds available for projects in the Chehalis Watershed. Through the County there are similar projects funded through FEMA Hazard Mitigation Grant Funds, Nisqually Land Trust, Department of Ecology and coordination with the City of Tenino. Thurston County is looking county-wide at flood impact reduction projects and is looking at the Chehalis River Basin Flood Authority to help our program in the Chehalis Watershed.

Part III (**) Completion, Doability, Alternatives, and Impacts	
10. Project Completion -- Does the funding requested complete, substantially complete, or continue a project already started? If so, please explain.	Yes. Thurston County has a long standing program to elevate structures above flood levels or buy out structures within the floodways. This project will continue to reduce the number of repetitive loss structures in Thurston County.
11. Project Doable -- Can this project or the stage/phase for which funding is sought be completed by June 30, 2021? Please describe any circumstances with potential to impact the project's doability or timeline (e.g., permitting or regulatory unknowns, lack of availability of other cost-share funding resources, etc.). Please describe any advance coordination or vetting with agencies, tribes, other entities, etc. and the outcomes of that effort.	Assuming a June 2019 start the project should be completed by April 30, 2021. Presently, no impedance to completion are fore seen.
12. Project Alternatives -- Please describe alternatives to the project that were considered (including doing nothing), and the rationale for selecting the project described, proposed here.	Thurston County continues to strengthen county code to limit development in floodplains and floodways. This program helps reduce past issues and reduce the potential for loss of life and property damage. Doing nothing continues to allow loss of life and property damage and increases the potential hazard to responders trying to rescue or save people and/or structures.

13. Project Impacts Avoided, Mitigated -- Please identify how project impacts will be avoided and mitigated, and if that mitigation will be accomplished by June 30, 2021?	No project impacts are expected.
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Part IV (**) Benefits Stated and Quantified	
14. Emergency Response Benefits -- Please describe (and quantify) how this project enhances emergency response in a flood emergency (e.g., does it keep critical access roads and transportation facilities open/functional, does it enable easy movement of cattle, equipment and farm chemicals out of harm's way, is it part of a larger hazard mitigation plan, etc.).	This project does not enhance access, but reduces the impacts to life safety by reducing rescue requirements. The project will also reduce property damage and protect the environment.
15. Essential Infrastructure Protection Benefits -- Please describe (and quantify) how this project protects essential infrastructure and the risks or consequences of not acting this funding cycle.	This project does not enhance or impact essential infrastructures.
16. Public Health, Safety and Welfare Benefits -- Please describe (and quantify) how this project protects public health, safety, and welfare.	This project will elevate structures above flood levels and/or remove structures from the floodway, therefore increasing life safety and reducing property damage and protecting the environment.
17. Residential, Commercial and/or Agricultural Protection Benefits -- Please describe (and quantify) how this project protects residential communities, commercial, and/or agricultural interests and benefits of acting (or consequences of not acting) this funding cycle. Consider factors like number of structures and people at risk, historic frequency of flood damage, magnitude of benefit for the cost, etc.	The project with French Wetmore identified structures that would benefit from elevation above the floodplain or remove them from the floodway. This will potentially save lives, reduce property damage and provide environmental protection.
18. Habitat Benefits -- Please describe (and quantify) how this project benefits or improves existing or future habitat conditions.	As structures are elevated or removed there will be less likely to rely on sandbagging and heavy equipment to try to control a flood, resulting in less disruption in the floodplain.
19. Costs and Benefits -- Project funders (and the public they represent) value cost-effective, sound funding decisions. To that end, please describe (and quantify) in general terms benefits gained for funds requested and frequency, time-scale benefits will be realized. Please also describe (and quantify): a. Funds requested.	a. Funds requested -- \$500,000. b. Costs avoided if funded -- Thurston County residents will see less damage, disruption, and threat to safety the next time it floods. c. Costs incurred if funded --Elevates and buy outs are one time projects costs, there is no on-going costs.

<ul style="list-style-type: none"> b. Costs avoided if funded (and on what frequency, time-scale). c. Costs incurred if funded (and on what frequency, time-scale). d. Benefits gained if funded (and on what frequency, time-scale). e. Impacts incurred if funded (and on what frequency, time-scale). f. Impacts and implications of not funding (and on what frequency, time-scale). <p>Guidance Note (1): For this question, it will be helpful to think in terms of what will be the dollar value of assets protected, dollar value of impacts avoided, dollar value of monies retained or recouped, etc. for the amount of public monies invested.</p> <p>Guidance Note (2): Part V is intended to help project reviewers concisely summarize, compare funding requests. Answers here (and in related questions on this form) should be consistent with Part V.</p>	<ul style="list-style-type: none"> d. Benefits gained if funded – Elevates and buy outs reduces the flood risk to property owners, their property, and first responders. This project also provides on-going CRS points to Thurston County which reduces flood insurance costs to all county residents.. e. Impacts incurred if funded – Thurston County staff time will be required to permit and inspect projects. f. Impacts and implications of not funding – Continue to put life, property, the environment, and first responders at risk from flooding.
<p>20. Other Project Benefits -- Please describe (and quantify) any other project benefits not already discussed. This could include how this project compliments, leverages, or implements another project or planning process already underway.</p>	<p>Secondary benefits will include additional points for the county CRS .</p>
<p>21. Anything Else -- Please offer any additional information (e.g., photos, maps, video, drawings, drone, etc.) that would help to better understand the scope, timing, and benefits of this project.</p>	<p>Thurston County has received grants in the past from the Flood Authority to elevate and/or remove structures in floodways and floodplains. This project would continue to build of the success of those grants.</p>

<p align="center">Part V Summary of Benefits, Impacts, Costs</p>			
	<p>22. Benefits – Please summarize, tally project economic and non-economic benefits as described.</p>	<p>23. Impacts -- Please summarize, tally project economic and non-economic impacts as described.</p>	<p>24. Costs -- Please summarize, tally project economic and non-economic costs as described.</p>
<p>Quantify</p>	<ul style="list-style-type: none"> 1. Reduce the threat to life and property damage for 3 to 7 properties. 2. Reduce risk to first responders during flooding in the Chehalis 	<p>No adverse flooding impacts.</p>	<p>\$500,000 direct cost to elevate or buy out structures including permitting and inspection fees.</p>

	<p>watershed in Thurston County.</p> <p>3. Shorten the time it takes to recover from a flood.</p> <p>4. Reduce the public and private costs of responding to the disaster.</p>		
Describe	It is estimated that this project will elevate or buy out 3 to 8 structures.		

List of Potential Project Sites

Parcel Number	Address	Proposed Action
14626310600	12717 Hunter Rd	Elevate
14635430100	12501 HWY 12	Elevate
14635420100	12425 HWY 12	Elevate
	Moon Rd & HWY 12	Elevate
	17612 SW 175th	Elevate
	17633 SW 175 th	Elevate
	12935 SW 175 th	Elevate
	15946 SW 175 th	Elevate
	12638 SW 175 th	Elevate
13506340400	10910 Independence Rd SW	Buy out
13506330100	10940 Independence Rd SW	Buy out
13506330000	11020 Independence Rd SW	Buy out
47301000200	13134 HWY 12	Buy out
14501340100	11810 Independence Rd SW	Buy out
14512210100	11841 Independence Rd SW	Buy out
	Checking address – 201 st	Elevate
	Checking address – 201 st	Elevate
	Checking address – 201 st	Elevate
	12648 Independence Rd SW	Buy out

Scott Boettcher

From: Andrew Kinney <KinneyA@co.thurston.wa.us>
Sent: Wednesday, July 4, 2018 8:02 AM
To: Scott Boettcher
Subject: RE: Grant Application

Scott – Remember, all or part of this can be funded. Generally it takes about 50 to 70K to elevate a structure so anything over 70K gets Thurston County further down the road. Andrew

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