

Scott Boettcher

From: Scott Boettcher
Sent: Tuesday, July 3, 2018 2:32 PM
To: 'Mike Marshall'
Cc: Derek Zock; Sarah Burdick; colronjanaverill@comcast.net
Subject: RE: Funding Application

Thank you Mike. 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: Mike Marshall <mmarshall@gibbs-olson.com>
Sent: Tuesday, July 3, 2018 2:00 PM
To: Scott Boettcher <scottb@sbgh-partners.com>
Cc: Derek Zock <d87zock@gmail.com>; Sarah Burdick <sarahburdick@qwestoffice.net>
Subject: Funding Application

Hi Scott, here is the funding application that we talked about last week.

Michael Marshall, PE
Gibbs & Olson, Inc.
1115 West Bay Drive, Suite 201
Olympia, WA 98502
(360) 352-1120



**2019-21 Local Projects Recruitment Form
Chehalis Basin Local Flood Relief**

A. What are local flood relief projects? -- In general, local projects provide predominantly localized, quantifiable benefit, are capable of being completed within the funding cycle, are supported by the jurisdiction within which the project is proposed, and are vetted and advanced through a public entity like a City, County, Conservation District, Port, etc. Local projects are additionally envisioned as helping with local flood relief (reducing flood damage and impacts), not adverse to fish, wildlife, or habitat, and (where possible) providers of multiple, quantifiable benefits (per Part IV below).

B. What kinds of local flood relief projects are likely to be logical funding candidates for 2019-21?

- Projects that complete an effort previously funded/started.
- Projects that advance improved emergency response.
- Projects that advance improved public infrastructure protection.
- Projects that advance improvements in local or community flood hazard reduction, including local flood proofing projects (e.g., elevations, buy-outs, foundation venting, etc.).
- Projects that advance Conservation District initiated flood hazard reduction (e.g., farm pads, evacuation routes, bank erosion/bank stabilization, etc.)
- Projects that demonstrate innovation (e.g., thinking beyond traditional bank stabilization techniques in favor of natural system designs), partnerships, cost-sharing/leveraging resources, multiple benefits, public engagement and community planning, and proactive vetting with agencies and tribes.
- Projects that demonstrate informed decision-making through hydraulic analysis/understanding.
- Projects that demonstrate early planning involvement and information exchange with regulatory agencies.
- Projects typically not in excess of \$3M for the stage/phase being funded.

C. Are there projects that would not be good candidates?

- Projects that seek to utilize State Capitol Budget dollars for uses not typically allowed (e.g., maintenance and repair work, cost-sharing under select circumstances, etc.).
- Projects likely to increase potential for flood damage upstream or downstream.
- Projects with unmitigable adverse environmental impacts, significant uncertainty regarding potential environmental impacts, or significant concerns about obtaining regulatory approval.
- Projects not sponsored by a public entity.
- Projects not located in the Chehalis Basin.
- Projects that do not show quantifiable benefit.

Instructions:

- a. Please submit project requests (via this form) to scotttb@sbgh-partners.com no later than 5:00 p.m., 7/03/2018.
- b. Please submit one request form for each project proposed, even past projects previously or partially funded.
- c. Note: Parts III and IV [marked by "(**)"] will be scored for review/evaluation. Parts I, II, and V will not be scored.
- d. See Appendix A for overview of 2019-21 Local Projects Recruitment Process (and schedule), or https://www.ezview.wa.gov/site/alias_1492/37282/2019-21-Local-Projects-Recruitment-Process.aspx.

Part I General	
1. Date:	July 3, 2018
2. Project Name:	Boistfort Valley Water, Water System Plan Update
3. Project Location -- Please identify location of the project as precisely as possible, including providing decimal degree latitude/longitude coordinates.	T12 N, R4W, Section 24 Adna and Curtis, WA
4. Project Contact -- Please identify who will be responsible for overseeing and managing the project (i.e., name, email, telephone number, etc.).	Derek Zock D87zock@gmail.com (360) 981-5736
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.	Lewis County Conservation District will be the sponsor. The key partner will be Gibbs & Olson who will be the engineer for the project.

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.).	<p>Boistfort Valley Water's (BVW) Adna water treatment plant is located in the floodway of the Chehalis River and has flooded multiple times in the past. BVW is currently working on a 'Long-Term Action Plan' (required by a Bilateral Compliance Agreement with the Washington State Department of Health, and due by November 30, 2018), which is the first of two planning phases in which BVW will develop alternatives for providing adequate water to its customers in the long-term. BVW is funding phase 1 of planning.</p> <p>This funding request is for phase 2 of planning, and will allow BVW to prepare a Water System Plan Update (WSP) as per WAC 246-290-100. The WSP Update will compare life-cycle costs, risks, and benefits of potential alternatives that are being identified in the Long-Term Action Plan. The current location of the Adna treatment plant in the floodway, as well as water rights issues are both significant issues that will be part of the WSP Update process. Potential alternatives may involve moving the Adna treatment plant or developing/ utilizing another source of water. A preferred alternative will be selected during the WSP Update process.</p>

<p>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.</p>	<p>Phase 1 planning (Long-Term Action Plan) is currently underway and will be completed by November 30, 2018.</p> <p>Phase 2 planning (Water System Plan Update) will take 1 year and will be completed in 2020.</p> <p>Design and construction phases will occur following the adoption of the WSP Update.</p>
<p>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?</p>	<p>Phase 1 planning (Long-Term Action Plan) is being funded by BVW.</p> <p>Phase 2 planning (Water System Plan Update) will cost \$150,000 and will be completed by the 2021 funding cycle. The WSP Update will identify capital and on-going O&M costs for the preferred alternative. BVW will be responsible for on-going O&M costs.</p>
<p>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.</p>	<p>Phase 1 planning (Long-Term Action Plan) is being funded by BVW.</p> <p>The Water System Plan Update will identify potential sources of state, federal, and other funding available for design and construction phases.</p>

<p>Part III (**) Completion, Doability, Alternatives, and Impacts</p>	
<p>10. Project Completion -- Does the funding requested complete, substantially complete, or continue a project already started? If so, please explain.</p>	<p>Yes, this requested funding will enable BVW to undertake Phase 2 planning (Water System Plan Update) which will identify a preferred alternative for providing adequate water to its customers in the long-term.</p>
<p>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.</p>	<p>Yes, this project can be completed in 1 year. BVW is already working closely with Dept of Health Office of Drinking Water, and will also work with Dept of Ecology Water Resources and Lewis County during the WSP Update process.</p> <p>There are no known issues that would delay the completion.</p>
<p>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.</p>	<p>There are no alternatives to this Phase 2 planning project as we must continue to examine alternatives to providing adequate drinking water in the long-term. Leaving the Adna treatment plant in its current condition and location is not a viable option.</p>

<p>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?</p>	<p>No project impacts are anticipated as part of this Phase 2 planning project (Water System Plan Update).</p>
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<p>Part IV (**) Benefits Stated and Quantified</p>	
<p>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.).</p>	<p>This Phase 2 planning project (Water System Plan Update) will consider flood situations during the alternatives analysis, and will include an overall emergency response plan for the water system.</p>
<p>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.</p>	<p>Leaving the Adna treatment plant in its current condition and location is not a viable option. It is unknown yet what the preferred alternative will be, but we do know that the risk of doing nothing is unacceptable.</p>
<p>16. Public Health, Safety and Welfare Benefits -- Please describe (and quantify) how this project protects public health, safety, and welfare.</p>	<p>This project will protect the water supply for Boistfort Valley from future floods. This will avoid a repeat of the 2007 floods which forced the water system to truck in water for weeks.</p>
<p>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.</p>	<p>Boistfort Valley Water is a community public water supply that serves 800 homes, 3 public schools and 7 dairies. This water system is one of the largest in Lewis County. This Water System Plan Update will provide required information in order to proceed with design and construction of the recommended improvements. If the Adna plant is left as-is, it will most likely be damaged or destroyed by future floods that occur every 3 to 5 years.</p>
<p>18. Habitat Benefits – Please describe (and quantify) how this project benefits or improves existing or future habitat conditions.</p>	<p>This planning project will identify a preferred alternative that will ultimately lead to removal of the Adna treatment plant from the floodway. This will eliminate the potential for harmful chemicals used in the treatment plant from entering the River.</p>
<p>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):</p> <p>a. Funds requested.</p>	<p>Completing the Water System Plan Update will allow BVW to identify a preferred alternative to the current situation – the Adna treatment plant which has been repeatedly flooded in the past.</p> <p>a. \$150,000 is requested for Phase 2 planning (Water System Plan Update).</p> <p>b. Our goal is to identify a preferred alternative</p>

<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>	<p>which will not be a repeated negative affected from flooding. This will save money in the short- and long-term.</p> <ul style="list-style-type: none"> c. Once a Water System Plan Update is completed, BVW will pursue outside funding to design and construct the preferred alternative. This is expected to include both loan and grant funding. d. Our goal is to eliminate the costs of repeated damage to the Adna treatment plant, and to be able to provide adequate, safe, and reliable drinking water to our customers in the long-term. e. No immediate impacts will be incurred as a result of funding this request. Our goal is to eliminate the costs of repeated damage to the Adna treatment plant, and to be able to provide adequate, safe, and reliable drinking water to our customers in the long-term. f. If this proposal is not funded, the process of identifying a preferred alternative will be delayed.
<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>This project complements other necessary planning elements necessary for the Boistfort Valley Water System (BVW). It is value added by utilizing the Department of Health’s WSP and long term action plan requirements to address inevitable flooding issues for the BVW.</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>BVW is acting in accordance with DOH as partners in ensuring safe, reliable, drinking water for the residents of the system. Once the WSP Update is completed and a preferred alternative identified, BVW will be eligible for design and construction funding from Dept of Health and other potential funders.</p>

Part V Summary of Benefits, Impacts, Costs			
	<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>	<p>Phase 2 planning – Water System Plan Update</p>	<p>Identifying a preferred alternative will allow BVW to discontinue use of the current Adna treatment plant, which is in the floodway.</p>	<p>\$150,000 cost for Water System Plan Update.</p>

<p>Describe</p>	<p>Will analyze life-cycle costs, risks, and benefits of various alternatives to the current Adna treatment plant, and will identify a preferred alternative.</p> <p>Once the WSP Update is complete, BVW will be eligible to apply for design and construction funding for the preferred alternative.</p>	<p>By eventually implementing the preferred alternative, BVW will be better able to supply adequate, safe, and reliable drinking water to its customers in the long-term.</p>	<p>Will allow BVW to hire an engineering consultant to assist in completion of the Water System Plan Update.</p>
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Appendix A

Process/Schedule Overview (current as of 6-12-2018)	
June 12, 2018	<ul style="list-style-type: none"> • Post and distribute local projects recruitment request. • Allow three weeks for project proposals/submittals (i.e., due no later than 5:00 p.m., Tuesday, July 3, 2018). • Due to Scott Boettcher, scottb@sbgh-partners.com.
July 3, 2018	<ul style="list-style-type: none"> • Receive proposals/submittals.
July 5, 2018 (or July 12, 2018)	<ul style="list-style-type: none"> • Update Chehalis Basin Board on numbers received, types of projects received, distribution, dollar value, etc.
July 19, 2018 (or August 16, 2018)	<ul style="list-style-type: none"> • Update Flood Authority on numbers received, types of projects received, distribution, dollar value, etc.
September 20, 2018	<ul style="list-style-type: none"> • Update Flood Authority on status of Projects Committee's effort to review, rank, discuss with Tribes, discuss with agencies, sort and rank, etc. • Review/discuss PRELIMINARY DRAFT ranked and prioritized list.
October 4, 2018	<ul style="list-style-type: none"> • Update Chehalis Basin Board on status of Projects Committee's effort to review, rank, discuss with Tribes, discuss with agencies, sort and rank, etc. • Review/discuss DRAFT ranked and prioritized list.
October 18, 2018 (SPECIAL MEETING)	<ul style="list-style-type: none"> • Seek Flood Authority approval of FINAL ranked and prioritized list.
November 8, 2018	<ul style="list-style-type: none"> • Seek Chehalis Basin Board approval of FINAL ranked and prioritized list.
June 2018 through November 2018	<ul style="list-style-type: none"> • Work with agency, OCB, and CBB technical staff on refining and finalizing recruitment instrument, scoring criteria, scoring instrument, categorization and ranking, developing draft and final lists, etc.

Legend:

Chehalis Basin Board	Flood Authority
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Scott Boettcher

From: Mike Marshall <mmarshall@gibbs-olson.com>
Sent: Tuesday, July 3, 2018 2:06 PM
To: Scott Boettcher
Subject: FW: Water System Plan Update.

Scott, this is for Boistfort Valley Water.

Michael Marshall, PE
Gibbs & Olson, Inc.
1115 West Bay Drive, Suite 201
Olympia, WA 98502
(360) 352-1120

From: Derek Zock <d87zock@gmail.com>
Sent: Thursday, June 28, 2018 3:27 PM
To: Mike Marshall <mmarshall@gibbs-olson.com>
Subject: Fwd: Water System Plan Update.

----- Forwarded message -----

From: Amrine, Robert - NRCS-CD, Chehalis, WA <bob.amrine@wa.usda.gov>
Date: Thu, Jun 28, 2018 at 7:42 AM
Subject: RE: Water System Plan Update.
To: Derek Zock <d87zock@gmail.com>

Hi Derek,

Our Board approved to sponsor your project. Please let Mr. Marshall know.

Thanks

Bob

From: Derek Zock [mailto:d87zock@gmail.com]
Sent: Wednesday, June 27, 2018 9:40 AM

To: Amrine, Robert - NRCS-CD, Chehalis, WA <bob.amrine@wa.usda.gov>

Subject: Water System Plan Update.

Hi Bob, we are planning on submitting a grant funding application next week to the Chehalis River Basin Flood Authority and would like to request that you sponsor us.

We will be applying for funds to have a Water System Plan Update prepared.

This year we will be submitting a Long Term Action Plan to the Washington State Department of Health (Health) that will make recommendations on how to address the most critical need of our water system, which is that the Adna treatment plant is in the floodway of the Chehalis River and must be relocated to higher ground. Once the Action Plan is complete we will have direction on how to move forward with the planning of the plant relocation. This will be done in the Water System Plan Update.

This project will be planning only and will not include any construction. The Plan will be prepared per WAC 246-290-110 and will be approved by Health.

We are still working out the exact funding amount to request but it will be around \$150,000.

We thank you for your continued support.

Michael Marshall, PE

Gibbs & Olson, Inc.

[1115 West Bay Drive, Suite 201](#)

[Olympia, WA 98502](#)

(360) 352-1120

Dear Bob

We are working with Michael Marshall on this plan. If you have any questions please contact Michael Marshall or Myself.

Thank you

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Derek Zock
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360 981 5736. Cell