

# Sound Impacts 2.0 Request for Qualifications

Overview: Contract budget of \$70,000 (\$15k reserve for potential partner contracts e.g. Earth Economics).

See list of new features and functionality (attached as appendix)

## Required Qualifications

- Familiarity with database development, design and management as well as training clients for successful long-term management.
- Familiarity with public facing as well as targeted audience-oriented web portals
  - Specialization with data-oriented storytelling
- Familiarity with data analysis and visual storytelling
- Familiarity with GIS data and map-based visualizations
- Familiarity with Heroku Cloud Application Platform
- Familiarity with Tableau data analysis & visualization software

## Desired Qualifications

- Familiarity with ecosystem service quantification modeling and existing models:
  - EPA VELMA model: <https://www.epa.gov/water-research/visualizing-ecosystem-land-management-assessments-velma-model-20>
  - Earth Economics
- Familiarity with Green Infrastructure and Restoration Ecology
- Familiarity with Puget Sound Recovery, related agencies and organizations involved in Puget Sound Recovery:
  - Puget Sound Partnership, WA State Dept. of Ecology, WDFW, USACE, EPA, County and City governments,
  - local, regional and national NGOs,
  - County-based Conservation Districts,
  - WSU Extension.
- Familiarity with various GIS-based mapping and project tracking tools in the Puget Sound Region as well as further afield. E.g.:
  - Puget Sound Info: <https://www.pugetsoundinfo.wa.gov/> (and the Lake Tahoe Info portal on which it is loosely based <https://laketahoeinfo.org/>)
  - NW Straits'
    - "Actions to Impacts" (in development) <https://www.nwstraits.org/our-work/actions-to-impacts/>
    - Sound IQ: <https://www.nwstraits.org/our-work/soundiq/>
  - HeyDuwamish.org
  - National LID Atlas: <http://lidmap.uconn.edu/>
- Familiarity with Asset Management Software/Apps that cities are using to monitor and maintain their stormwater assets:

- 2ndNatureWater.com
- Cityworks: <https://www.cityworks.com/solutions/asset-management/>

#### RFQ Instructions

To respond to this RFQ, please submit via email to [EV@StewardshipPartners.org](mailto:EV@StewardshipPartners.org), a short cover letter, not to exceed 2 pages, that addresses the following:

- How does your firm meet the required and desired qualifications. Include links to examples or work samples?
- Which staff/team members would work on which elements of the project and who would be our primary point of contact? Provide links to team member bios or profiles if available.
- Provide 3 references for past clients for whom you have created a web-based portal who way may contact.

RFQ submissions will be considered on an ongoing basis with a target selection date in January of 2020.

## Appendix 1: New Features and Functionality List for Sound Impacts 2.0

### Desired new features and functionality:

- Add Rain Catchment project type (possibly replace “invasive removal” project type)
- Add co-benefit metrics to be developed collaboratively with Stewardship Partners e.g.:
  - Carbon capture
  - Economic benefit
    - Avoided Alternative costs of gray infrastructure
    - Ecosystem service valuation
    - Value of carbon capture
  - Public health (possible collaborators: UW- Kathy Wolf, Earthlab; TNC)
  - Habitat (possible collaborators: TNC, Yardmap project—Cornell Lab of Ornithology)
- Bring Dashboard to fully operational version
  - Automate data loading
  - Data visualization
    - Select the best default visualizations
  - Fields: e.g. top 3 ways to slice/organize the data
    - Geography; installer/partner/funder; type of project;
- Data Visualizations: Demonstrations of Sound Impacts and the power of data-driven storytelling
  - Storymaps – a possible way to demonstrate the tool in a clean and impactful way.
  - Show and explain the problem (stormwater- where, when, how much, why?)
  - Show and explain the solutions (green infrastructure- where, how much, how you can be a part of the solution)
  - What is the goal/target? How close are we? (e.g. 12k Rain Gardens, 700 Million Gallons, 1 Million trees etc). \*But the unit or metric is key here: what is going to resonate, make sense to the individual, and the target audience(s)? hint: it probably isn’t gallons.
- Visual features:
  - Legends
  - Filters
  - Data summaries on home page
- Partnerships:
  - TNC or Emerald Alliance to develop targets and track progress...

### Maintenance:

- Data Cleaning
  - Protocol development and implementation (manual and automatic elements, flagging, logging changes, backing up, making edits). This will take person hours to work through, to test, and in perpetuity to keep it up. Develop a workplan, budget for ongoing O/M.
- API completion → Password authenticated access to allow for read/write could open the door for better mobile functionality- a potential future app where you can take a picture, open the app, and add a project data point...
- Reconfigure automated emails (a free SMTP service exists for up to 10k emails/year, gmail resists the way we have it set up now).