Addendum 1
Request for Proposals: Master Plan for Reservoir and Watershed Operations

1. **Question:** ***Can staff resumes be attached to the package, and will not count against the 10-page limit for the Statement of Qualifications?***
   Answer: The language on Page 11, Section V. D. shall be modified to read: the page limit is 25 pages. Resumes can be attached and are counted as part of the 25-page submittal.

2. **Question:** ***TM2 – With respect to the watershed model, what specific constituents should be simulated for the water quality?***
   Answer: At this time the City has been analyzing for temperature, alkalinity, pH, turbidity, hardness, chloride, TDS, conductivity, phosphate, sulfate, and ammonia (NH3 as N.) Monitoring for these parameters will continue and shall be simulated for water quality. Additional parameters may be added based on the successful proposer's recommendations in the final TM2.

3. **Question:** ***TM5 – What is the spatial domain of the updated HEC-RAS model being referred to under TM5 of the RFP?***
   Answer: The spatial domain of the HEC-RAS model will include the Hennessey watershed. It will not include Milliken. A HEC-RAS model is anticipated to be received from the CA Department of Water Resources Division of Safety of Dams (DSOD) based on their assessment of peak run-off under 100^{+}-year storm event and we are interested in having our consultant team review their assumptions and confirm the overall accuracy of their model. Although we have not received the model to date, DSOD indicated it is forthcoming. It has been our experience that there is often substantial room for refinement in the assumptions that are made by DSOD in their modeling efforts.
   The Exhibit on Page C-1 titled "Napa County Drinking Water Supply Watersheds" shows the acreage of the Hennessey watershed at 32,802 acres. It is also shown in the Exhibit on page C-2 with major tributaries that contribute to the Lake Hennessey drinking water supply reservoir.

4. **Question*****: The requirement to have a Business license in the City of Napa appears in item 23 of the general contract terms.***
   Answer: The City of Napa business license is a formality for businesses that do not have an office in City of Napa and applying requires only basic information regarding the business and $11 application fee. The application is found by clicking the following link:
   http://www.cityofnapa.org/images/finance/Collections/BusLicenseApp.11.1.15.pdf

5. **Question*****: Can the Business license be obtained after the proposing team is selected?***
   Answer: Yes.

6. **Question*****: In the cost proposal template, the model of watershed runoff quantity and quality is listed as a separate item, although in the scope of work it is discussed as part of TM1. Is this envisioned as an optional task?***

Answer: The model is to be included and not considered optional. It was listed as a separate cost item simply because it is a big effort.

7. **Question*: Does the city have a preference as to the use of existing models developed for the county watersheds, or is it open to alternatives?***
   Answer: The City prefers models that are being used by the County in approving erosion control plans within the watershed for ease of comparison purposes, however the City is open to alternatives if said option is proven to be more accurate.

8. **Question*: In regard to the Vulnerability Assessment for invasive species, are the data on boat use provided in Exhibit F the extent of available information?***
   Answer: Yes, information is limited.

9. **Question*: For example, is additional information on boat types and user habits available?***
   Answer: This info is not readily available, but our watershed staff who observes recreational activities can lend insights into typical patterns and habits of visitors.

10. **Question*: If not, does the City expect the contractor to survey boaters for additional information?***
    Answer: Assumptions of information on boaters can be made based on interviews of the aforementioned watershed staff.

11. **Question*: Will the Vulnerability Assessment only address Hennessy or also Milliken?***
    Answer: The Vulnerability Assessment will address Hennessey only. There is no recreational access for visitors allowed at Milliken so our risk of invasive species through these vectors is considered insignificant.

12. **Question*: Are there specific sediment quality characteristics that are desired to be determined through the coring analysis?***
    Answer: It is desirable to know the content of sulfates, phosphates, nitrates and pesticides entrained in the sediment. If it is possible to determine the time frame in which the sediment was deposited that is also desirable.

13. **Question*: Are there additional water quality data collected as part of the regular reservoir water quality monitoring that are not discussed in the two reports attached to the RFP?***
    Answer: The City monitors raw water quality for 126 constituents under Title 22. Consistent raw water data since 2004 exists on levels of sulfate, chloride, specific conductance, and data since 2008 for ammonia and phosphate.

14. **Question*: Is there a list of monitored parameters?***
    Answer: The City has recently started monitoring for phosphates, nitrogen (as ammonia,) sulfates as well as general parameters of temperature, dissolved oxygen, pH and turbidity in the tributaries at the outfalls to the reservoir as well as upstream in the watershed. Samples were gathered in Spring 2016 and during the first storms in October 2016. Monitoring will continue when there is runoff from future storms.

15. **Question*: Is there an accessible boat launch for a 15-25-foot boat at Milliken Reservoir?***

Answer: Yes, there is a concrete boat ramp at Milliken although it was constructed in 1922 and is steep at an approximate 30% grade.

16. **Question*: For Lake Hennessey there is a published limit that boat motors cannot be over 10HP. Will the City allow larger motors to propel coring boat or the hydrographic survey boat?***
    Answer: Yes, the City will allow use of a larger motor for these special data gathering efforts.

17. **Question*: The RFP mentions the following in the TM2 description "A bathymetric survey will be part of TM 5, identified later in this document. Analyses of core samples taken from strategic locations identified as part of the bathymetry where sediment has accumulated will assist in understanding historical and current factors that may affect water quality." This seems to imply that sediment core locations will be identified based on the bathymetry survey, not taken during the bathymetry survey as part of the TM5. Please confirm if this is the case.***
    Answer: Core samples will be taken as part of the proposal efforts. It is assumed that the bathymetric survey information will be used to refine the locations for sediment cores, i.e. locations where sediment depths are greatest. It is anticipated that data from core samples will shed light on land use practices and contributions from run-off that affect water quality in the reservoir. TM2 will use all available information in making recommendations for a monitoring plan.

18. **Question*: The analyses of core samples are not mentioned as part of the TM5 where the bathymetric survey is described. This seems to indicate that the core sampling is not part of this project (and it could be a future task). Please confirm if this is the case.***
    Answer: As indicated above, core samples will be taken as part of the proposal efforts. The analyses of core samples will provide data that can contribute to available information for TM2 and TM3 that confirm and/or refine the water quality information in tributaries (TM2) and the reservoir (TM3.) The core samples can be taken earlier if there is confidence in locations based on methods other than assessing the data in the bathymetric survey.

19. **Question*: What is the purpose of the core sampling?***
    Answer: To quantify concentrations of nutrients that are in the sediment and water column as well as define the patterns of nutrient loading in sediment and whether the sediment and nutrient loading has increased, decreased or remained the same.

20. **Question*: How many cores are recommended?***
    Answer: At minimum 4 locations including one at each major tributary inlet: Sage, Conn and Chiles Creeks in addition to the vicinity of the treatment plant raw water inlet tower.

21. **Question*: How will the cores be analyzed?***
    Answer: Laboratory analyses of the soil particle nutrient contribution: at minimum nitrogen, phosphorous, sulfates as well as particle size gradation with the goal of understanding age as well as fate and transport of nutrients that may affect reservoir water quality.

22. **Question*: Does the City want grab samples or vertical profiles?***
    Answer: For this effort, proposers shall assume vertical profiles. The City expects the consultant to make recommendations based on information gathered and reviewed as part of TM2 and TM3.