



October 11, 2017

**DELIVERED BY EMAIL**

Mr. Michael Wackman  
General Manager  
Omochumne-Hartnell Water District  
7513 Sloughhouse Road  
P.O. Box 211  
Wilton, CA 95693

**Subject: Proposal for CEQA Compliance for the Omochumne-Hartnell Water District Groundwater Recharge Project**

Dear Mr. Wackman:

Robertson-Bryan, Inc. (RBI) is pleased to submit this scope of work and cost estimate to provide California Environmental Quality Act (CEQA) compliance to the Omochumne-Hartnell Water District (District) for the Groundwater Recharge Project (Proposed Project). It is anticipated that the District would require preparation of an Initial Study and Mitigated Negative Declaration (IS-MND) under CEQA.

The District is proposing to implement a two-phased groundwater recharge project on properties immediately adjacent to the Cosumnes River. Phase I involves use of an existing agricultural diversion pump to divert water from the Cosumnes River during the December through March period of the year (i.e., stormwater runoff season) to flood the Teichert Ranch property via new and modified water conveyance features (pipes, canals, and valves), annually, thereby allowing infiltration and groundwater recharge at this location. In addition, Phase I involves similar actions for the Rooney Ranch and Mosher Ranch properties. It is anticipated that the Rooney Ranch diversion intake/pump may require modification as well. Grant funding is in-hand for Phase I work.

In Phase II, a second new diversion will be installed in the Cosumnes River adjacent to both the Teichert Ranch and Rooney Ranch properties to increase the amount of water diverted into the vineyards for groundwater recharge purposes. With the completion of Phase II, the Groundwater Recharge Project would divert up to 6,000 acre-feet of water per year (AFY) to recharge the groundwater aquifer. There is currently no funding available for Phase II.

Increasing groundwater recharge adjacent to the Cosumnes River will result in increasing the probability that the Cosumnes River will remain connected to downstream water bodies for longer periods during the spring and summer, and hydraulic continuity throughout the river will become re-established earlier in the fall.

This Scope of Work (Scope) addresses CEQA compliance for Phase I of the Proposed Project only. Phase I of the project has independent utility and would be implemented regardless of

whether Phase II ever occurs. Upon funding being obtained for Phase II, RBI will advise the District as to the appropriate approach for providing CEQA coverage for Phase II.

RBI will serve as the lead consultant to perform and manage the CEQA compliance activities. For purposes of CEQA compliance, RBI assumes that construction activities for existing and new facilities and operation of the two existing diversion facilities for groundwater recharge purposes will be evaluated. Based on RBI's current understanding of the Proposed Project and how it could affect environmental resources, and per the desire of the District, RBI has developed a scope and budget to prepare an IS-MND to comply with CEQA for Phase I. RBI has scoped and budgeted this IS-MND effort to result in a document of sufficient detail to meet the needs of the State Water Resources Control Board in issuing its stormwater diversion permit, and to adequately address the potential for effects to key resource categories, thereby providing the level of assessment expected by other regulatory agencies that may review the document (i.e., California Department of Fish and Wildlife, National Marine Fisheries Service, U.S. Fish and Wildlife Service). It should be noted that information uncovered through the CEQA process or comments from regulatory agencies on the IS-MND could lead to the requirement to prepare an Environmental Impact Report (EIR) to comply with CEQA.

## **I. SCOPE OF WORK**

### **TASK 1: CALIFORNIA ENVIRONMENTAL QUALITY ACT COMPLIANCE**

RBI will support the District through the CEQA compliance process pursuant to the State CEQA Guidelines (§150623), including preparation of required notices, environmental impact assessments, and coordination with resource agencies. RBI will retain the services of Natural Investigations Company, Incorporated (Natural Investigations) to provide cultural resources support. We assume that impact avoidance and mitigation measures will be feasible for the project area, thus resulting in the preparation of an IS and MND as the appropriate CEQA document. Based on the understanding of the project objectives, the following subtasks outline the scope of work for completion of the IS-MND for the Proposed Project.

***Subtask 1-1: Initiate Project and Prepare Project Description.*** Two (2) RBI staff will participate in one (1) project conference call with the District's General Manager and construction services consulting team to initiate the project, discuss project schedule, project elements and anticipated construction activities and timing, and gather available planning and design information to formulate a draft project description for the IS document. Definition of the project area for assessment purposes, relevant and feasible impact avoidance measures, appropriate levels of technical assessment, and appropriate resource agency consultations will be defined to the extent possible. Using information gathered during and resulting from the project initiation conference call, RBI will develop the Project Description. RBI assumes that the District or its engineering consultant will provide all needed figures showing construction locations and activities for inclusion in the Project Description. RBI will submit an electronic

version of the draft project description to the District's General Manager for review and comment. RBI will then incorporate comments and finalize the Project Description.

*Deliverables – draft and final project description.*

**Subtask 1-2: Prepare Administrative Draft IS.** RBI will review available project information, species and habitat information, and conduct a set of reconnaissance-level site assessments to identify potential effects of the Proposed Project and anticipated key environmental issues that could be alleviated by refinements to the project description, as well as any actions that may be warranted to reduce or avoid adverse environmental effects. RBI will convey results of the preliminary review to the District via email. Although RBI may suggest slight refinements to the Proposed Project to avoid or minimize potential impacts, RBI does not anticipate major revisions to the Proposed Project. However, if potential impacts are anticipated to be substantial, RBI will inform the District immediately upon identifying any potentially significant impacts that could require a substantially increased level of effort or modification to the appropriate CEQA process (e.g., if an impact could not be avoided and would result in the need to prepare an EIR). After discussing the findings of the information review and site assessments with the District, agreement with the District that an IS-MND is appropriate, and any Proposed Project revisions incorporated into the Project Description, the RBI team will move forward with preparation of the draft IS-MND. If preparation of the IS results in a recommendation to prepare an EIR, RBI will provide an additional scope of work to prepare the EIR to the District (if requested).

RBI will prepare a draft IS and proposed MND for the Proposed Project that is consistent with the requirements of the CEQA statute (Public Resources Code, §§21000-21178) and State CEQA Guidelines (California Code of Regulations, Title 14, §15000 et seq.). The IS will include, among other components, the project description, and completed assessment of potential environmental impacts to address the CEQA Guidelines, Appendix G Environmental Checklist. Each resource section of the Environmental Checklist will contain a brief discussion justifying each impact determination (i.e., Potentially Significant Impact, Less than Significant with Mitigation, Less than Significant, No Impact). Mitigation measures to avoid significant or potentially significant environmental impacts will be identified and described to a level sufficient to address the issue within the context of the draft IS.

RBI intends to focus the analytical effort on impacts that could occur from construction, and diversion and recharge operations. Further, the effort will focus the potential temporary and long-term environmental effects to resources that would be most directly affected and require specific analyses for adequate CEQA compliance (e.g., terrestrial biological and cultural resources could be directly affected by the construction activity for the project while aquatic resources could be affected by diversion operations). The approach to data collection during the site reconnaissance surveys, impact assessment, and preparation of the IS for these specific resources is described below.

**Air Quality.** The air quality analysis will be prepared in accordance with the methodologies outlined in the Sacramento Metropolitan Air Quality Management District (SMAQMD) Guide to Air Quality Assessment in Sacramento County (CEQA Guide). This section will

focus on construction-related impacts. Construction emissions of the Proposed Project will be calculated using the CalEEMod emissions calculation model to determine potential air quality impacts. These emissions will be compared to state and federal Air Quality Standards and SMAQMD construction emissions thresholds of significance. The air quality analysis will also evaluate cumulative air quality impacts of the Proposed Project in terms of the project's consistency with the current Air Quality Management Plan (AQMP).

**Greenhouse Gas Emissions.** The analysis of greenhouses gases (GHGs) and climate change, which will discuss the general nature and sources of climate change, current efforts to regulate GHGs (including Office of Planning and Research publications and guidelines relating to how climate change should be addressed in CEQA documents), and the Proposed Project's potential contribution to this cumulative issue. The analysis will calculate construction-related emissions amortized over the anticipated life of the project. Emissions will be compared to the SMAQMD construction phase GHG threshold of 1,100 metric tons/year of CO<sub>2</sub>e. Using the calculations results from CalEEMod, RBI will prepare a GHG section that focuses on the impacts of the Proposed Project on climate change, as well as the impacts of climate change on the project region.

**Cultural Resources.** Natural Investigations will lead the cultural resources analysis. Natural Investigations will conduct a cultural resources study of the three project sites to determine if there are archaeological or historical built environment resources that could be impacted by project development within the project's area of potential effects (APE). Because the Proposed Project is not subject to the National Environmental Policy Act (NEPA), the cultural resources study will comply with the requirements of CEQA, but will not require additional compliance with Section 106 of the National Historic Preservation Act. The findings of this analysis will be summarized in the IS-MND.

*Records Search.* Prior to conducting any fieldwork, Natural Investigations will request a California Historical Resources Information System (CHRIS) records search of the project sites and a 0.25-mile radius from the North Central Information Center (NCIC) at California State University, Sacramento. The primary purpose of the CHRIS records search is to identify previously recorded cultural resources known to exist within or adjacent to the project site. In addition to the cultural resource inventory records and reports, an examination will be made of historic maps, the National Register of Historic Places (NRHP), the California Register of Historical Resources (CRHR), and the listing of California Historical Landmarks. It is assumed that the NCIC will conduct this records search at standard rates; should rush rates be required, additional budget may be necessary to accommodate rush rates charged by the NCIC.

*Pedestrian Survey.* Upon completion of the CHRIS records search, Natural Investigations will conduct a pedestrian cultural resources survey of the three project sites (i.e., Teichert Ranch, Rooney Ranch, and Mosher Ranch properties). For the purposes of this proposal and cost estimate, it is assumed that no cultural resources requiring recordation or updating will be identified by the records search or survey. Additionally, it is assumed that the levees are not historic and would not require recordation or and/or additional evaluation under this study.

Any cultural resources identified during the pedestrian survey that would require formal recordation would require an additional level of effort beyond that assumed in this scope of work. RBI will make a recommendation for recordation to the District's General Manager and submit a separate scope of work and cost estimate to the District to formally record the resources (if requested). No subsurface testing will be conducted, nor will any artifacts, samples, or specimens be collected during the survey. Natural Investigations assumes that the pedestrian survey will be conducted utilizing transects spaced at 15 meter intervals for width of 25-feet on either side of the proposed disturbance areas and can be completed in one 10-hour day by one cultural resources specialist.

*Cultural Resources Technical Report.* Upon completion of the records search and pedestrian survey, Natural Investigations will prepare a cultural resources technical report. This technical report will document the results of the study, as well as provide management recommendations for cultural resources within the project site. The report will be prepared following the California Office of Historic Preservation's Archaeological Resource Management Reports (ARMR): Recommended Contents and Format. The report will include figures depicting the area surveyed and studied for cultural resources. If locations of sensitive archaeological sites or Native American cultural resources will be depicted or described in the report, it will be considered confidential and the report shall not be distributed to the public. The archaeological resources technical report will be incorporated into the IS-MND and potential impacts will be identified and mitigation measures will be recommended, as appropriate.

*Assembly Bill (AB) 52 Compliance.* Because a local Native American tribe has contacted the District by letter stating that they want to be notified of any project the District implements, Natural Investigations will draft a letter to be sent by the District to the applicable tribe to comply with AB 52 requirements. This scope of work covers the services to draft the letter on behalf of the District to be sent to the tribe, but does not include scope or budget to facilitate the consultation because it is unknown at this time whether the tribe will seek consultation on the project or not. In the event that the tribe requests consultation and the District wishes for RBI to facilitate said consultation, RBI will submit a separate scope of work and cost estimate to the District.

*Paleontological Assessment.* To complete the CEQA checklist for cultural resources, it is assumed that a paleontological assessment will be required. Natural Investigations will conduct a paleontological resources assessment to identify the geologic units that may be impacted by the project, determine the paleontological sensitivity of geologic units within the project APE, assess potential for impacts to paleontological resources, and recommend mitigation measures, as appropriate, to avoid or mitigate impacts to scientifically significant paleontological resources. The paleontological resource assessment will consist of a fossil locality record search, review of existing geologic maps, and a review of primary literature regarding fossiliferous geologic units within the project vicinity and region. This scope of work assumes that no fossils will be identified within the project site by the information search and records review, and that no paleontological field survey will be required. If the records review indicates that a paleontological survey should be conducted, RBI will make

such a recommendation to the District's General Manager and submit a separate scope of work and cost estimate to the District (if requested).

**Noise.** The Proposed Project would result in some noise associated with long-term operation of the diversion pumps during periods when they otherwise would be inactive. Thus, the noise analysis will focus on construction-related noise and noise generated during diversion operations. Based on a preliminary evaluation of the candidate properties and diversion locations, no sensitive receptors have been identified near the project sites. Additionally, the majority of the properties near the project sites are rural homes and agricultural properties on which day-to-day activities generate noise levels similar to those anticipated from construction equipment and diversion pumps. Therefore, impacts associated with construction equipment and diversion pumps are anticipated to be minor, and will be discussed qualitatively in the IS-MND. If needed, mitigation measures may include restrictions on location and timing of construction equipment use and the construction of temporary sound barriers.

**Traffic.** The Proposed Project would not result in a substantial increase in vehicle trips over the long-term. Traffic associated with construction activities will be estimated using CalEEMod outputs for standard construction trips. Impacts associated with this level of vehicle trips are anticipated to be minor, and will be discussed qualitatively in the IS-MND in the context of the roads and access points that serve the project site.

**Hydrology and Water Quality.** RBI will assess the hydrologic and water quality effects of the project on the Cosumnes River. The hydrologic assessment will evaluate the magnitude to which the project diversions will alter river hydrology throughout the year, and will assess the potential effects of such hydrologic changes on aquatic life beneficial uses in the river. In addition, RBI will compile Cosumnes River water quality data for the December through March period of the year and determine whether recharge of this water would have the potential to cause substantial degradation of groundwater, with an emphasis on constituents for which the Basin Plan defines water quality objectives for the protection of groundwater.

**Terrestrial Biological Resources.** RBI will assess impacts to sensitive habitats and special status plant and animal species based on the findings from review of existing literature sources, a reconnaissance-level site visit, and phone discussions with local regulatory authorities and persons with knowledge of biological resources in the region of the project sites (as approved by the District). The assessment of terrestrial biological resources will include the following tasks.

*Literature Review.* RBI will review readily available existing reports, project plans, aerial imagery, agency databases (i.e. California Natural Diversity Database [CNDDDB], California Native Plant Society [CNPS] Inventory of Rare and Endangered Plants, and U.S. Fish and Wildlife Service, Information for Planning and Conservation database) and other available literature for context and understanding of the biological concerns related to the project. This information will provide the historical context for sensitive biological resources that could potentially be present on the project site and will inform RBI biologists of the potential concerns related to project implementation.

*Biological Reconnaissance Survey.* After completing database queries and literature review, RBI will complete a biological reconnaissance field survey to determine if sensitive biological resources are or may be present on the project sites. During the survey, particular attention will be given to detecting the presence or potential for presence of special status or otherwise sensitive biological resources. The identification of potentially suitable habitat for special status species does not include definitive protocol surveys to formally establish the presence or absence of any species that may be present, unless incidental direct observations during the site visit confirms presence of special status species, but will be based on habitat characteristics only.

This scope does not include protocol-level botanical or wildlife surveys. However, based on the results of the reconnaissance survey, further biological surveys may be necessary to determine presence/absence of sensitive biological resources. If the reconnaissance-level survey indicates that protocol-level surveys should be conducted, RBI will make such a recommendation to the District's General Manager and submit a separate scope of work and cost estimate to the District (if requested).

Based on a preliminary review of available aerial photography, a previously conducted reconnaissance-level survey of one of the recharge sites, and our knowledge of the region, the primary species of concern likely to be addressed in the assessment, depending on survey findings, include: Swainson's hawk and other raptors, valley elderberry longhorn beetle and their host elderberry shrubs, and native oaks.

**Aquatic Biological Resources.** RBI will conduct a site visit to identify habitat conditions in the vicinity of the two diversion facilities. The impact assessment will focus on the potential short-term construction related effects and ongoing diversion operations-related effects to aquatic resources.

It is anticipated that the Aquatic Biological Resources impact assessment will identify aquatic species for focused evaluation (e.g., Chinook salmon) and describe species-specific life history requirements, distribution within the project area, life stage-specific habitat requirements, and other parameters of biological relevance. Species of focused evaluation will include those species that have the potential to be affected by implementation of the Proposed Project that also are afforded special status by federal, state, or local agencies or policies, as well as those commercially or recreationally important species that could potentially be affected.

Hydraulic and other habitat characteristics associated with pumping facility rehabilitation or groundwater recharge diversion operations would be evaluated qualitatively (i.e., without use of hydrologic modeling output). Entrainment potential for fall-run Chinook salmon fry and juveniles during the period of diversion will be assessed. Potential "mitigation" of any project-driven losses of fall-run Chinook salmon resulting from entrainment at the diversions during December through March, relative to reduced entrainment losses resulting from lesser diversions in the March-May timeframe for irrigation of the vineyards along with the potential for increased duration of river connectivity to tidewater in the spring and fall that would aid emigration of juvenile Chinook salmon out of the river in spring and immigration of adults

into the river in fall will be discussed (i.e., although recharge operations may result in increased entrainment, the increased river connectivity resulting from implementation of the project may mitigate for these losses and improve overall population levels).

For the Aquatic Biological Resources impact assessment, it is assumed that standard best management practices, a Storm Water Pollution Prevention Plan (SWPPP), a Spill Prevention and Response Plan, and appropriate work windows (if applicable) would be included as part of the individual project activities and would not be included as mitigation measures, but recognized as design features incorporated into the project to minimize negative effects. However, development of these plans is not included as part of this scope of work.

**Preparation of Other Resource Sections of the IS.** RBI assumes that the potential impacts to many of the resource issues will not require detailed analysis because the project would have no ability to affect them, or the resources do not exist within the vicinity of the Proposed Project, including mineral resources, population and housing, land use planning, public services, utilities and service systems, aesthetics, recreation, and geology and soils. Other resources that have the potential to be impacted, but are not likely to require substantial analyses include, agricultural resources, and hazards and hazardous materials. Should it be determined that one or more of these resources require additional study that could not have reasonably been foreseen for the scope assumed herein, RBI will work with the District to modify the scope of work and associated budget, as necessary.

**Subtask 1-3: Prepare Public Review Draft IS-MND.** RBI will submit an electronic file of the draft IS-MND to the District for review and comment. Following receipt of comments on the draft IS-MND, the document will be revised, where appropriate, and produce the IS-MND for public review and comment. This scope of work assumes that technical input will be provided for this task via email and/or phone calls.

RBI will prepare the Notice of Intent (NOI) to adopt the MND and submit the NOI for posting by the County Clerk's office. RBI will prepare a notice for publication in the local newspaper. RBI assumes that the District will pay any fees associated with filings or newspaper postings. RBI, on behalf of the District, will submit the NOI, Notice of Completion (NOC) form, and the IS-ND/MND to the State Clearinghouse (15 copies of the document in electronic format). RBI will provide the District with an electronic copy (portable hard drive or DVD) of the IS-MND, as well as all electronic or hard copy files associated with the IS-MND, including reference materials, appropriate email communications documenting decisions regarding the IS-MND, and appropriate telephone logs for purposes of the administrative record.

*Deliverables – Preliminary review email or memorandum; draft and final IS-MND; administrative record materials.*

**Subtask 1-4: Prepare Responses to Public Review Comments.** RBI will review, and provide brief written responses to all written comments received on the IS-MND. Although not necessary under CEQA for an MND, it is felt that providing brief written responses to all written comments received effectively demonstrates that the lead agency has duly considered

all comments received. Comments received orally will be considered, but written responses to such comments will not be produced. Because RBI cannot predict the number and complexity of public comments that will be received at the time this scope and budget was prepared, the scope of work for this task is defined by the hours allocated in the budget for this task. If responses to comments received require additional effort above that which is allocated under this task, RBI will provide a written request and cost estimate to the District prior to engaging in comment responses.

*Deliverable – Brief Responses to public review comments.*

**Subtask 1-5: Prepare Mitigation and Monitoring and Reporting Plan.** RBI will prepare a streamlined Mitigation Monitoring and Reporting Plan (MMRP), which is developed to ensure that any mitigation measures and project revisions are implemented, and performance measures are achieved.

*Deliverable – Mitigation and monitoring report.*

## TASK 2: PROJECT MANAGEMENT

Project management activities include coordination by phone and email with other project team members, review of work products, budget and schedule tracking, and other duties to coordinate and administer the project.

## ASSUMPTIONS OF THIS SCOPE OF WORK

The level of effort for the scope of services is based on the following assumptions. In the event that one or more of these assumptions proves to be invalid, additional services to produce defensible impact assessments to adequately comply with CEQA may be required.

- 1) It is assumed that this IS-MND will be reviewed by the State Water Resources Control Board, California Department of Fish and Wildlife, National Marine Fisheries Service, and U.S. Fish and Wildlife Service.
- 2) The scope of work is defined by and limited to the hours budgeted. Should additional services be requested/required by the District (or any agency) that are not identified herein, or should analyses of greater scope than identified and budgeted herein be requested/required, RBI will notify the District, and upon request by the District, submit a supplemental proposal for additional, out-of-scope services.
- 3) The project will not result in the loss of any productive agricultural lands.
- 4) This scope of work does not include facilitation of AB 52 consultation with any Indian tribe.
- 5) It is assumed that no in-water work or work below the ordinary high water mark within the Cosumnes River channel will be required.

- 6) Phase I of the project involves a total of two diversion locations from the Cosumnes River and three parcels of land for recharge.
- 7) No state or federally listed endangered or threatened plants or animals exist within the Cosumnes River or on the parcels of land identified for recharge.
- 8) There are no significant historical or cultural resources on the properties to be flooded for groundwater recharge.
- 9) Neither CDFW nor NMFS will identify operation of the two existing diversions for flood-up without fish screens as a significant impact that requires fish screens to be installed to mitigate to a less-than-significant level.
- 10) The Districts engineer for the project, Golden State Irrigation & Pump Services, will provide RBI with all parcel maps showing where the recharge will occur for use in the IS-MND
- 11) This scope of work does not include acquiring permits that may be required for construction, including a Clean Water Act Section 404 permit, a Rivers and Harbors Act Section 10 permit, National Historic Preservation Act Section 106 compliance, CDFW Section 1600 et seq. compliance (i.e., Lake and Streambed Alteration Agreement), Clean Water Act Section 401 Water Quality Certification, authorization under the SWRCB's "General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities" (Order 2009-0009-DWQ, as amended by 2010-0014-DWQ & 2012-0006-DWQ) or preparation of an associated Storm Water Pollution Prevention Plan (SWPPP).
- 12) This scope of work does not contain budget for any potential county permits, such as road encroachment, grading, or soil testing by a landfill to accept material as non-hazardous. RBI assumes these types of approvals, if necessary, would be handled by the general contractor who should be able to acquire without our specialized services and thus not require our assistance. In addition, these types of additional approvals/permits would only come to be known once final design and construction plans are completed.
- 13) This scope of work does not contain budget for any construction-related monitoring services or other efforts that may be required as a result of the permitting processes. Should these or other resource protection services be required by the necessary permits, RBI will be happy to submit a supplemental proposal for these additional services.

### **III. ESTIMATED BUDGET**

RBI recommends a time-and-materials contract, not to exceed **\$68,650** without written authorization, to provide the professional services defined in the scope of work outlined herein (see **Attachment 1** for a detailed project budget). RBI will invoice monthly according to its 2017 rates (**Attachment 2**) for all work activities completed in the prior month. RBI

updates its billing rates annually based on its fiscal year, with the subsequent year's rates taking effect on December 16<sup>th</sup>.

#### **IV. SCHEDULE**

A detailed schedule will be developed as part of the project initiation effort described in Subtask 1-1, above. However, it is anticipated that development of the Administrative Draft IS-MND would take approximately 6-8 weeks including project initiation and coordination. RBI assumes one-to-two weeks for District review and coordination with RBI's Project Manager. Finalizing the Administrative Draft IS-MND after receiving the District comments would take approximately one week. The public review period is assumed to be 30 days, and addressing public comments would take approximately one week.

If you have any questions regarding this proposal, please do not hesitate to contact me at 916-714-1802.

Sincerely,



Michael Bryan, Ph.D.  
Principal

Attachment 1: RBI Cost Estimate  
Attachment 2: 2017 Fee Schedule

## ATTACHMENT 1

### RBI Cost Estimate

PROFESSIONAL CONSULTING SERVICES	Managing Partner	Associate	Senior Engineer/ Scientist II	Project Scientist III	Admin. Assistant	Cost
<b>Task 1 - CEQA Compliance</b>						
<b>Subtask 1.1 Project Initiation and Project Description</b>	6		24			\$ 6,882
<b>Subtask 1.2 Prepare Administrative Draft IS</b>	12	8	82	44		\$ 31,556
Air Quality	1		4	16		\$ 4,267
Greenhouse Gas Emissions	1		2	8		\$ 2,271
Cultural Resources			6			\$ 1,308
Noise			4	8		\$ 2,432
Traffic			4	4		\$ 1,652
Hydrology and Water Quality	3	8	4	8		\$ 5,057
Terrestrial Biological Resources	1		20			\$ 4,635
Aquatic Biological Resources	6		20			\$ 6,010
Other Resources			18			\$ 3,924
<b>Subtask 1.3 Prepare Public Review Draft IS-MND</b>	4	2	24	4	8	\$ 8,282
<b>Subtask 1.4 Respond to Public Comments</b>	2		8			\$ 2,294
<b>Subtask 1.5 Prepare MMRP</b>	4		16			\$ 4,588
<b>Task 2 - Project Management</b>	8		16		4	\$ 6,048
Total Hours:	36	10	170	48	12	
Rate:	\$ 275	\$ 225	\$ 218	\$ 195	\$ 90	
<b>RBI Labor Subtotal:</b>	<b>\$ 9,900</b>	<b>\$ 2,250</b>	<b>\$ 37,060</b>	<b>\$ 9,360</b>	<b>\$ 1,080</b>	<b>\$ 59,650</b>
<b>DIRECT EXPENSES</b>						
Natural Investigations Company, Inc. (Labor and Expenses)						\$ 8,000
10% administrative fee						\$ 800
Travel (Mileage)						\$ 200
<b>Total Direct Expenses</b>						<b>\$ 9,000</b>
<b>TOTAL COST ESTIMATE</b>						<b>\$ 68,650</b>

## ATTACHMENT 2

### 2017 FEE SCHEDULE

Charges for project work performed by Robertson-Bryan, Inc. (RBI) will be calculated and billed at the hourly rates shown below.

<b>Professional Services</b>	<b>Rate/Hour</b>
◆ Managing Partner	\$275.00
◆ Principal Engineer/Scientist	\$257.00
◆ Resource Director	\$235.00
◆ Associate	\$225.00
◆ Senior Engineer/Scientist II	\$218.00
◆ Senior Engineer/Scientist I	\$210.00
◆ Project Engineer/Scientist III	\$195.00
◆ Project Engineer/Scientist II	\$185.00
◆ Project Engineer/Scientist I	\$169.00
◆ Staff Engineer/Scientist II	\$157.00
◆ Staff Engineer/Scientist I	\$143.00
◆ Technical Analyst	\$138.00
◆ Graphics/GIS	\$127.00
◆ Administrative Assistant	\$90.00
◆ Intern	\$59.00

Up to ten percent (10%) of subcontractor charges will be added to cover administrative costs. Hourly rates will be increased by a minimum of fifty percent (50%) for depositions, trials, and hearings. Rates will be adjusted annually, effective December 16<sup>th</sup> for the subsequent year.

#### **INVOICING AND PAYMENTS**

Invoices will be issued on a monthly basis for all work performed on a project. Payment is due upon receipt of the invoice.

---