

# Staff Report

for the Board of Directors of December 14, 2016

**TO:** Board of Directors  
**FROM:** Gary D. King, Engineering Manager  
**DATE:** December 7, 2016  
**SUBJECT:** Consulting Services Agreement – Greenhorn Creek Sediment Removal EIR

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***ENGINEERING***

**RECOMMENDATION:**

Approve a contract with Janelle Nolan & Associates (Nolan) in the amount of \$240,150 for consulting services for an Environmental Impact Report (EIR) under the guidelines of the California Environmental Quality Act (CEQA) for the Greenhorn Creek Sediment Removal Project, and authorize the General Manager to execute the necessary documents.

**BACKGROUND:**

The Greenhorn Creek Sediment Removal Project is for removal of sediment from Greenhorn Creek. Currently, the Creek is full of sediment (silt, sand, rock, and debris) as a result of erosion from storm flows; the sediment continues to encroach into the main part of Rollins Reservoir. If this condition continues unabated, the sediment will significantly reduce the capacity in Rollins Reservoir and impact District recreational facilities.

The intent of this EIR is for removal of sediment with a key mitigation feature to manage the creation of methylation of mercury in water during this work. For this project, it is expected to remove the sediment during low water conditions, “in the dry,” to reduce significant water disturbance. Currently, the concentrations of elemental mercury are well below the allowable concentrations for applications for all land uses. However, if the mercury is disturbed in the water in an anaerobic environment, then anaerobic bacteria can methylate the mercury and, through bioaccumulation, become toxic in the food chain, resulting in health advisories to humans. As such, this project will remove the sediment and reduce the impact of methylation of mercury into the water environment during sediment removal.

Nolan worked on the preliminary phases of this project and is recommended for this work. In addition, Nolan has worked for the District on numerous projects with successful results. Nolan was chosen contractor for the project, based on prior experience. The cost of this work is comparable to the other projects of this nature. It is staffs’ recommendation to approve a sole source contract to Janelle Nolan and Associates for this portion of the project.

**BUDGETARY IMPACT:**

These funds are available in the 2016 Management Budget for consulting services. The current budget is \$934,400 with \$522,844 spent or committed as of this date. The remaining budget of \$411,556 is available for this work in the 2016 budget.

Attachments: Proposal dated December 2, 2016

GDK

# Janelle Nolan

& ASSOCIATES

Environmental Consulting

December 2, 2016

Timothy Crough, P.E.  
Assistant General Manager  
Nevada Irrigation District  
1036 W Main Street  
Grass Valley, CA 95945-5424

**SUBJECT: Nevada Irrigation District's Greenhorn Creek Sediment Removal at Rollins Reservoir Project – Environmental Impact Report**

Dear Mr. Crough:

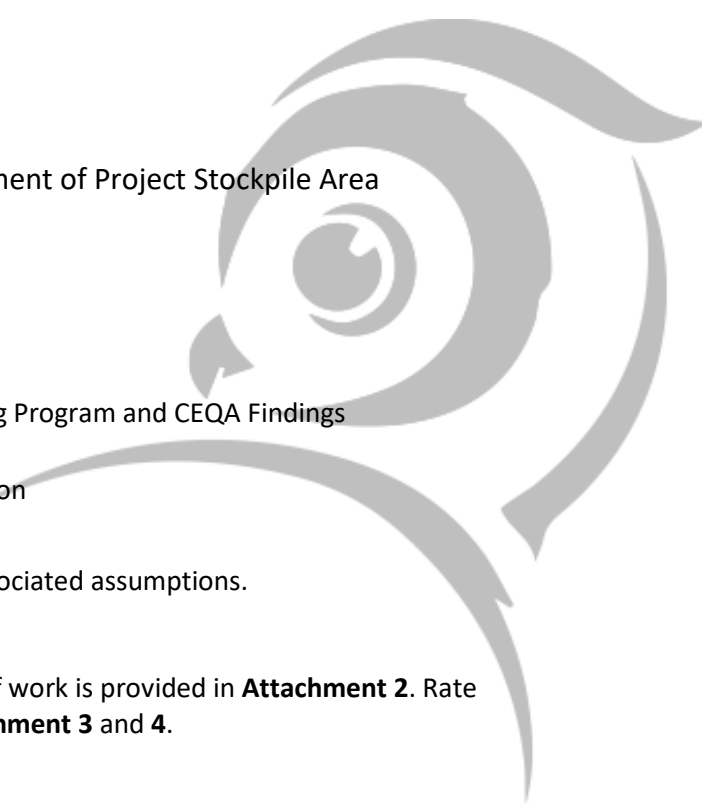
Per your request, please accept this proposal outlining professional services to be provided by the Janelle Nolan & Associates Environmental Consulting (JNA-Consulting) Team in support of development of an Environmental Impact Report (EIR) for Nevada Irrigation District's (NID) Greenhorn Creek Sediment Removal at Rollins Reservoir (Project). JNA-Consulting will be supported by technical experts from Cardno to complete the tasks necessary to comply with California Environmental Quality Act (CEQA). The EIR will be developed based on the Project description prepared by the JNA-Consulting Team, in coordination with NID, as part of Phase I of the Project. Tasks necessary for development of the EIR and completion of CEQA include:

- Task 1 Data Compilation
- Task 2 Tribal Consultation
- Task 3 Preliminary Meetings
- Task 4 Notice of Preparation
- Task 5 General Concept Plan for Development of Project Stockpile Area
- Task 6 Administrative Draft EIR
- Task 7 Screencheck Draft EIR
- Task 8 Public Review Draft EIR
- Task 9 Public Meeting/Hearing
- Task 10 Final EIR
- Task 11 Mitigation Monitoring and Reporting Program and CEQA Findings
- Task 12 Notice of Determination
- Task 13 Internal Meetings and Communication
- Task 14 Project Management

Refer to **Attachment 1** for a description of each task and associated assumptions.

## **FEE PROPOSAL**

JNA-Consulting's fee proposal for completion of the scope of work is provided in **Attachment 2**. Rate sheets for JNA-Consulting and Cardno are provided as **Attachment 3** and **4**.



**SCHEDULE**

JNA-Consulting will begin providing professional services upon receipt of a signed contract or written authorization to proceed from NID. JNA-Consulting assumes that the above scope of work will be completed in 2017.

**CONTRACT AND BILLING ARRANGEMENT**

JNA-Consulting recommends a time-and-materials contract of not to exceed **\$240,150** for providing the professional services defined in the scope of work. JNA-Consulting will invoice monthly for all JNA-Consulting Team work activities completed in the prior month.

If you have any questions regarding this scope of work and fee proposal, please do not hesitate to contact me at (530) 277-4582. We look forward to continuing to working with you on this Project.

Sincerely,

A handwritten signature in blue ink, appearing to read 'J. Nolan', is positioned below the 'Sincerely,' text.**Janelle Nolan & Associates Environmental Consulting**

Janelle Nolan

President

Environmental Compliance and Permitting

## ATTACHMENT 1

**Nevada Irrigation District's  
Greenhorn Creek Sediment Removal at Rollins Reservoir Project  
California Environmental Quality Act Compliance  
Scope of Work**

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### **Task 1      Data Compilation**

The JNA-Consulting Team will review relevant documents and databases, including, but not limited to the following:

- Yuba-Bear and Drum-Spaulding Relicensing Documents (pertinent technical studies, FEIS, etc.);
- Environmental Impact Report (EIR) for the Bear River Sediment Removal at Rollins Reservoir (May 2015);
- Hanson Brothers Enterprises Streambed Alteration Agreement and Extension (Notification No. 1600-2007-0142-R2);
- California Natural Diversity Database (CNDDB 2017);
- California Native Plant Society's (CNPS) Electronic Inventory of Rare and Endangered Plants of California (CNPS 2017);
- Publicly available resource information in project vicinity;
- Research and technical papers developed by Sierra Fund;
- Nevada County General Plan;
- Placer County General Plan; and
- NID recreation facility use information, LiDAR data, and reservoir water surface elevation data.

Pertinent information obtained from these documents will be incorporated into the Administrative Draft EIR, as appropriate.

#### *Assumptions:*

- *NID will provide recreation use data, LiDAR data, and reservoir water surface elevation data.*

### **Task 2      Tribal Consultation**

To comply with the requirements of AB 52, the JNA-Consulting Team will assist NID with the following tasks:

- Contact the Native American Heritage Commission (NAHC) to identify the California Native American tribes that may have an interest in the Project.
- Prepare formal Project notification and send to identified tribal representatives.

- If formally requested in writing by a tribe, assist NID in conducting tribal consultation meeting.
- Document consultation process and any identified mitigation for inclusion in the EIR.

*Assumptions:*

- *The JNA-Consulting Team (Janelle and Cultural Resources Lead) will prepare materials for and attend one tribal consultation meeting.*

### **Task 3 Preliminary Meetings**

The JNA-Consulting Team will prepare for and attend one meeting with local land owners and one meeting with resource agencies to discuss the Project description and discuss any issues or concerns.

*Assumptions:*

- *The meetings will be attended by Janelle and Ed and will be held at the NID office in Grass Valley.*

### **Task 4 Notice of Preparation**

The JNA-Consulting Team will prepare a Notice of Preparation (NOP) for NID review and approval. The NOP will include a description of the Project, Project location, and probable environmental effects of the Project.

Upon approval by NID, the JNA-Consulting Team will submit 15 copies of the approved NOP and a Notice of Completion (NOC) to the State Clearinghouse for a 30-day review and comment period. At the close of the comment period, responses will be evaluated and incorporated into the EIR, as appropriate.

*Assumptions:*

- *NID will provide a Project distribution list.*

### **Task 5 General Concept Plan for Development of the Project Stockpile Area Adjacent to Greenhorn Creek**

As part of the environmental review for the Project we will develop a general concept plan for the proposed onsite stockpile location. The concept plan developed will be of sufficient detail to allow for the determination the footprint and amount of sediment that can be stored at the proposed location. In general, the concept plan will include/be developed based on existing LiDAR data and will include:

- A conceptual plan view of the stockpile site (including contouring/conceptual grading);
- Representative cross-sections of the proposed stockpile (approximately two plan sheets/figures design to an approximate 25% design level); and
- An estimation of the amount of fill that can be stored (volume/cubic yardage).

*Assumptions:*

- No additional surveying/data acquisition will be required
- Stockpile area is approximately 1 acre in size

## Task 6 Administrative Draft EIR

The JNA-Consulting Team will prepare a complete Administrative Draft EIR for review by NID, including key technical appendices, as applicable. The Administrative Draft EIR will be developed consistent with the California Environmental Quality Act (CEQA) (Public Resources Code §21000–21189) and the Guidelines for CEQA (California Code of Regulations, Title 14, Chapter 3, §15000–15387) and will be based on the Project Description that was developed by the JNA-Consulting Team as part of Phase I of the Project.

### Environmental Analysis

The environmental analysis sections of the Administrative Draft EIR will:

- Describe the environmental and regulatory setting;
- Identify thresholds of significance that will be used to evaluate the changes in the physical conditions;
- Evaluate the environmental effects of components of the Proposed Project, including direct, indirect, short-term, long-term, cumulative, and unavoidable impacts; and
- Propose mitigation measures to reduce significant impacts, should any be identified, to a less-than-significant level when possible.

The range of specific issues to be addressed in the Administrative Draft EIR will not be finalized until after the close of the NOP comment period. However, based on preliminary review, the JNA-Consulting Team has determined that the Project may result in environmental effects on the following resources and these will be fully analyzed in the Administrative Draft EIR:

- Aesthetics
- Air Quality
- Biological Resources
  - Aquatic
  - Terrestrial
- Cultural Resources
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Noise
- Recreation
- Transportation/Traffic
- Utilities and Service Systems

Based on our knowledge of the Project, it is assumed that four resource areas will not require a full evaluation in the EIR, since implementation of the Project would have a less-than-significant impact or no impact on the resource. These resource areas will be briefly discussed but not fully analyzed in the EIR. The following resource areas will be categorized as “Effects not Found to be Significant”:  
Agriculture and Forest Resources, Geology and Soils, Mineral Resources, Population and Housing, and Public Services.

The JNA-Consulting Team will incorporate, as appropriate, recommended mitigation from existing permits and approvals and identify applicant-proposed measures intended to minimize impacts. Following completion of the impact and mitigation analyses, the JNA-Consulting Team will have one meeting with NID to review conclusions and discuss proposed mitigation measures to be included in the Project. After confirmation from NID regarding impact conclusions and mitigations, the JNA-Consulting Team will then prepare and submit a complete Administrative Draft EIR for NID’s review.

*Assumptions:*

- *No additional biological field surveys are required for development of environmental analysis.*
- *The existing literature review and records search of the California Historical Resources Information System completed as part of relicensing will be used to complete the analysis. No additional cultural resources surveys will be required for development of the environmental analysis.*
- *The Transportation/Traffic section will include a qualitative analysis to determine traffic volumes and the Level of Service (LOS).*
- *The Road Construction Emissions Model (RCEM) Version 7.1.5.1 will be used to quantify construction-related emissions associated with the Project.*
- *Includes addressing one round of comments from Carrie Monohan on the Hydrology/Water Quality section.*
- *Up to three scenarios for the fate of sediment will be evaluated in the Air Quality, Noise, and Transportation/Traffic Section.*
- *The level of effort identified for this task assumes that the Project description developed as part of Phase I does not change following initiation of work in Phase II.*

**Other CEQA Considerations**

**Effects Not Found to Be Significant**

This section will discuss impacts to resources not found to be significant including: Agriculture and Forest Resources, Mineral Resources, Population and Housing, and Public Services.

**Significant Environmental Effects**

Impacts that are both significant and unavoidable will be identified in this section. These will be determined based on the thresholds of significance established in the EIR and the environmental analysis. Should there be significant unavoidable adverse impacts, a Statement of Overriding Considerations will be developed.



### **Significant Irreversible Environmental Changes**

This section will summarize the major changes to the environment that would result from implementation of the Project. It will focus on the physical environmental changes in the Project setting, the level of commitments to use non-renewable resources represented by the Project, and the potential for secondary impacts that may place additional burdens on non-renewable resources.

### **Growth Inducing Effects**

The section will describe the anticipated growth conditions in the Project area and parameters for consideration of any secondary impacts from growth. The evaluation will be based on standard growth analysis criteria, such as the Project's potential to foster economic or population growth or its potential to remove obstacles to population growth.

### **Cumulative Impacts**

This section will include an examination of Project related effects on the environment in the context of similar effects that have been caused by past, or existing projects and the anticipated effects of future projects. This analysis will address each topic covered in the environmental analysis and will identify appropriate mitigation measures that may reduce any potentially significant cumulative impacts to a less-than-significant level.

*Assumption:*

- *NID will provide a list of past, present, and reasonably foreseeable projects to be evaluated.*

### **Alternatives Analysis**

The EIR will evaluate a reasonable range of alternatives capable of avoiding or substantially lessening one or more of the Project's significant environmental effects. In coordination with NID, the JNA-Consulting Team will develop two alternatives to the Proposed Project. Each alternative will be contrasted with the Proposed Project in terms of the extent to which Project objectives and reduction in significant impacts are achieved. The JNA-Consulting Team will prepare analyses of impacts from each alternative with respect to each environmental analysis topic covered in the EIR, providing quantitative and comparative analysis where data is available. A matrix will be developed summarizing the comparison of alternatives.

### **Environmentally Superior Alternative**

An environmentally superior alternative will be identified from the alternatives to the Project. If the environmentally superior alternative is the "No Project" alternative, the EIR will also identify an environmentally superior alternative among the other alternatives.

**Work Products:** One electronic copy on CD, and three hard copies of the Administrative Draft EIR.

### **Task 7      Screencheck Draft EIR**

The JNA-Consulting Team will incorporate NID's comments on the Administrative Draft EIR and prepare a Screencheck Draft EIR.

**Work Products:** One electronic copy on CD and three hard copies of a Screencheck Draft EIR.

## Task 8 Public Review Draft EIR

Comments received from the NID on the Screencheck Draft EIR will be incorporated into the Public Review Draft EIR. Upon approval by NID, the JNA-Consulting Team will submit 15 copies of the Public Draft EIR to the State Clearinghouse for a 45-day comment period.

Concurrent with submittal of the Public Review Draft EIR to the State Clearinghouse, the JNA-Consulting Team will prepare a Notice of Availability (NOA) for NID review. The NOA will include a description of the Project and location; identification of significant environmental impacts; specification of the review period; identification of the public hearing date, time, and location; address where the Draft EIR is available for review; and a statement whether the Project site is a listed toxic site.

### *Assumptions:*

- *This task assumes that there will be minimal revisions between the Screencheck Draft EIR and Public Review Draft EIR.*
- *NID will publish the NOA in a general circulation newspaper and at the Nevada County Clerk's Office. NID will submit the required CDFW filing fees to the Nevada County Clerk's Office*

**Work Products:** 18 hard copies and 18 CD's with one labeled "ready to post" in internet ready format of the Public Draft EIR, Executive Summary, and the Notice of Completion Form. One electronic copy and three hard copies of the NOA.

## Task 9 Public Meeting/Hearing

Three JNA-Consulting Team members will attend one public meeting/hearing on the Public Draft EIR. The JNA-Consulting Team members will support NID in presenting the CEQA process and the contents of the EIR, as well as take notes on the comments received.

### *Assumptions:*

- *Janelle Nolan and Ed Bianchi will support NID during the public meeting/hearing and Tessa Balboni will take notes.*

## Task 10 Final EIR

Following the close of the public review period, the JNA-Consulting Team will compile, organize, and review all written and verbal comments received on the Public Draft EIR. Comments will be summarized in a table identifying any issues that may require a substantive revision to the Public Draft EIR. Following development of the table, the JNA-Consulting Team will meet with NID to discuss approaches to responding to comments. Following the meeting, appropriate JNA-Consulting Team members will be assigned to developing each response. A draft response to comment table will be developed and provided to NID for review and comment. After receipt of one round of consolidated comments on the table, the Administrative Draft Final EIR will be produced. A Final EIR will be submitted for NID Board adoption.

**Work Products:** One electronic copy and three hard copies of the Draft Final EIR and one electronic copy and three hard copies of the Final EIR.

*Assumptions:*

- *Responses to comments will be completed in 118 labor hours.*

#### **Task 11 Mitigation Monitoring and Reporting Program and CEQA Findings**

The JNA-Consulting Team will develop a Mitigation Monitoring and Reporting Program (MMRP) that summarizes the measures imposed to mitigate or avoid environmental effects of the Project. CEQA findings will also be prepared for each significant environmental effect identified in the EIR.

**Work Products:** One electronic copy and three hard copies of a MMRP and CEQA Findings.

#### **Task 12 Notice of Determination**

The JNA-Consulting Team will prepare a Notice of Determination (NOD) for NID review and approval. Following incorporation of comments, NID will file the NOD with the Nevada County Clerk.

**Work Products:** One electronic copy and three hard copies of the NOD.

#### **Task 13 Internal Meetings and Communication**

This task includes attendance of up to two JNA-Consulting Team members at three internal team meetings with NID and participation in up to three internal team conference calls.

#### **Task 14 Project Management**

This task includes general project management and support, including project coordination, scheduling, budget tracking, and invoicing.

**Attachment 2**

**FEE PROPOSAL**

**Janelle Nolan**  
 & associates  
 Environmental Consulting

**Nevada Irrigation District  
 Greenhorn Creek Sediment Removal  
 at Rollins Reservoir Project  
 CEQA Compliance**

|   | JNA               |                 |                     |                          | TOTAL JNA LABOR | Cardno           |   |                      |                     |                          |                         |                           | TOTAL CARDNO LABOR | Reimbursable Expenses (at cost) |                     |                   |         | TOTAL REIMBURSABLE EXPENSES | Unit Costs |                        |                  | TOTALS    |
|---|-------------------|-----------------|---------------------|--------------------------|-----------------|------------------|---|----------------------|---------------------|--------------------------|-------------------------|---------------------------|--------------------|---------------------------------|---------------------|-------------------|---------|-----------------------------|------------|------------------------|------------------|-----------|
|   | Resource Director | GIS/CAD Analyst | Project Scientist I | Administrative Assistant |                 | Project Director | Managing Consultant/Sr. Technical Analyst | Senior Consultant II | Senior Consultant I | Associate Consultant III | Associate Consultant II | Administrative Technician |                    | Travel & Lodging                | Production/Printing | Equipment Rentals | Mileage |                             | Per Diem   | Vehicle Rental (Daily) | TOTAL UNIT COSTS |           |
| Hourly Billing Rate, Markup, or Unit Cost:          | \$200             | \$160           | \$153               | \$92                     |                 | \$224            | \$186                                     | \$153                | \$133               | \$109                    | \$92                    | \$92                      |                    | 1                               | 1                   | 1                 |         | \$0.54                      | \$165.00   | \$120.00               |                  |           |
| <b>Task 1. Data Compilation</b>                     |                   |                 |                     |                          |                 |                  |   |                      |                     |                          |                         |                           |                    |                                 |                     |                   |         |                             |            |                        |                  |           |
| Subtotal  | 8                 | 0               | 10                  | 0                        | \$3,130         | 0                | 10  | 0                    | 0                   | 0                        | 0                       | 0                         | \$1,860            | 0                               | 0                   | 0                 | \$0     | 0                           | 0          | 0                      | \$0              | \$4,990   |
| <b>Task 2. Tribal Consultation</b>                  |                   |                 |                     |                          |                 |                  |   |                      |                     |                          |                         |                           |                    |                                 |                     |                   |         |                             |            |                        |                  |           |
| Subtotal  | 8                 | 1               | 0                   | 0                        | \$1,760         | 0                | 16  | 0                    | 0                   | 0                        | 0                       | 0                         | \$2,976            | 0                               | 0                   | 0                 | \$0     | 0                           | 0          | 0                      | \$0              | \$4,736   |
| <b>Task 3. Preliminary Meetings</b>                 |                   |                 |                     |                          |                 |                  |   |                      |                     |                          |                         |                           |                    |                                 |                     |                   |         |                             |            |                        |                  |           |
| Subtotal  | 16                | 2               | 4                   | 2                        | \$4,316         | 16               | 4   | 0                    | 0                   | 0                        | 0                       | 0                         | \$4,328            | 0                               | 0                   | 0                 | \$0     | 0                           | 0          | 0                      | \$0              | \$8,644   |
| <b>Task 4. Notice of Preparation</b>                |                   |                 |                     |                          |                 |                  |   |                      |                     |                          |                         |                           |                    |                                 |                     |                   |         |                             |            |                        |                  |           |
| Subtotal  | 6                 | 1               | 6                   | 10                       | \$3,198         | 0                | 6   | 0                    | 0                   | 0                        | 0                       | 0                         | \$1,116            | 0                               | 650                 | 0                 | \$650   | 0                           | 0          | 0                      | \$0              | \$4,964   |
| <b>Task 5. General Concept Plan</b>                 |                   |                 |                     |                          |                 |                  |   |                      |                     |                          |                         |                           |                    |                                 |                     |                   |         |                             |            |                        |                  |           |
| Subtotal  | 2                 | 1               | 0                   | 0                        | \$560           | 0                | 10  | 0                    | 0                   | 18                       | 36                      | 0                         | \$7,134            | 0                               | 100                 | 0                 | \$100   | 0                           | 0          | 0                      | \$0              | \$7,794   |
| <b>Task 6. Administrative Draft EIR</b>             |                   |                 |                     |                          |                 |                  |   |                      |                     |                          |                         |                           |                    |                                 |                     |                   |         |                             |            |                        |                  |           |
| Subtotal  | 128               | 55              | 96                  | 60                       | \$54,608        | 56               | 108                                       | 80                   | 48                  | 8                        | 0                       | 0                         | \$52,128           | 0                               | 900                 | 0                 | \$900   | 0                           | 0          | 0                      | \$0              | \$107,636 |
| <b>Task 7. Screencheck Draft EIR</b>                |                   |                 |                     |                          |                 |                  |   |                      |                     |                          |                         |                           |                    |                                 |                     |                   |         |                             |            |                        |                  |           |
| Subtotal  | 25                | 4               | 8                   | 16                       | \$8,336         | 16               | 32  | 8                    | 8                   | 0                        | 0                       | 0                         | \$11,824           | 0                               | 900                 | 0                 | \$900   | 0                           | 0          | 0                      | \$0              | \$21,060  |
| <b>Task 8. Public Review Draft EIR</b>              |                   |                 |                     |                          |                 |                  |   |                      |                     |                          |                         |                           |                    |                                 |                     |                   |         |                             |            |                        |                  |           |
| Subtotal  | 14                | 0               | 6                   | 22                       | \$5,742         | 0                | 12  | 0                    | 0                   | 0                        | 0                       | 0                         | \$2,232            | 0                               | 5400                | 0                 | \$5,400 | 0                           | 0          | 0                      | \$0              | \$13,374  |
| <b>Task 9. Public Meeting/Hearing</b>               |                   |                 |                     |                          |                 |                  |   |                      |                     |                          |                         |                           |                    |                                 |                     |                   |         |                             |            |                        |                  |           |
| Subtotal  | 8                 | 0               | 6                   | 0                        | \$2,518         | 6                | 6   | 0                    | 0                   | 0                        | 0                       | 0                         | \$2,460            | 0                               | 0                   | 0                 | \$0     | 0                           | 0          | 0                      | \$0              | \$4,978   |
| <b>Task 10. Final EIR</b>                           |                   |                 |                     |                          |                 |                  |   |                      |                     |                          |                         |                           |                    |                                 |                     |                   |         |                             |            |                        |                  |           |
| Subtotal  | 32                | 0               | 0                   | 16                       | \$7,872         | 16               | 34  | 10                   | 10                  | 0                        | 0                       | 0                         | \$12,768           | 0                               | 1800                | 0                 | \$1,800 | 0                           | 0          | 0                      | \$0              | \$22,440  |
| <b>Task 11. MMRP and Findings</b>                   |                   |                 |                     |                          |                 |                  |   |                      |                     |                          |                         |                           |                    |                                 |                     |                   |         |                             |            |                        |                  |           |
| Subtotal  | 8                 | 0               | 12                  | 4                        | \$3,804         | 0                | 12  | 0                    | 0                   | 0                        | 0                       | 0                         | \$2,232            | 0                               | 0                   | 0                 | \$0     | 0                           | 0          | 0                      | \$0              | \$6,036   |
| <b>Task 12. Notice of Determination</b>             |                   |                 |                     |                          |                 |                  |   |                      |                     |                          |                         |                           |                    |                                 |                     |                   |         |                             |            |                        |                  |           |
| Subtotal  | 4                 | 0               | 2                   | 0                        | \$1,106         | 0                | 2   | 0                    | 0                   | 0                        | 0                       | 0                         | \$372              | 0                               | 0                   | 0                 | \$0     | 0                           | 0          | 0                      | \$0              | \$1,478   |
| <b>Task 13. Internal Meetings and Communication</b> |                   |                 |                     |                          |                 |                  |   |                      |                     |                          |                         |                           |                    |                                 |                     |                   |         |                             |            |                        |                  |           |
| Subtotal  | 30                | 0               | 0                   | 0                        | \$6,000         | 30               | 10  | 0                    | 0                   | 0                        | 0                       | 0                         | \$8,580            | 0                               | 0                   | 0                 | \$0     | 0                           | 0          | 0                      | \$0              | \$14,580  |
| <b>Task 14. Project Management</b>                  |                   |                 |                     |                          |                 |                  |   |                      |                     |                          |                         |                           |                    |                                 |                     |                   |         |                             |            |                        |                  |           |
| Subtotal  | 65                | 0               | 0                   | 12                       | \$14,104        | 0                | 12  | 0                    | 0                   | 0                        | 0                       | 12                        | \$3,336            | 0                               | 0                   | 0                 | \$0     | 0                           | 0          | 0                      | \$0              | \$17,440  |
| <b>Total Hours/Cost</b>                             | 354               | 64              | 150                 | 142                      | \$117,054       | 140              | 274                                       | 98                   | 66                  | 26                       | 36                      | 12                        | \$113,346          | 0                               | 9750                | 0                 | \$9,750 | 0                           | 0          | 0                      | \$0              | \$240,150 |



## ATTACHMENT 3

### 2017 FEE SCHEDULE

Charges for project work performed by Janelle Nolan & Associates Environmental Consulting (JNA-Consulting) will be calculated and billed at the hourly rates shown below.

| <b>PROFESSIONAL SERVICES</b> | <b>RATE/HOUR</b> |
|------------------------------|------------------|
| ◆ Principal Scientist        | \$230.00         |
| ◆ Resource Director          | \$200.00         |
| ◆ Senior Scientist II        | \$195.00         |
| ◆ Senior Scientist I         | \$188.00         |
| ◆ Project Scientist III      | \$173.00         |
| ◆ Project Scientist II       | \$168.00         |
| ◆ Project Scientist I        | \$153.00         |
| ◆ Staff Scientist II         | \$138.00         |
| ◆ Staff Scientist I          | \$130.00         |
| ◆ Technical Analyst          | \$130.00         |
| ◆ Graphics/GIS/CAD           | \$160.00         |
| ◆ Administrative Assistant   | \$92.00          |
| ◆ Intern                     | \$55.00          |

Up to ten percent (5%) 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.

#### 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.

**ATTACHMENT 4**

**Cardno Natural Resources  
2017 SCHEDULE OF FEES**

| <b>Classification</b>                     | <b>2017 Rate</b> |
|---|------------------|
| Project Director                          | \$224            |
| Technical Director                        | 201              |
| Managing Consultant/Sr. Technical Analyst | 186              |
| Senior Consultant III                     | 172              |
| Senior Consultant II                      | 153              |
| Senior Consultant I                       | 133              |
| Associate Consultant III                  | 109              |
| Associate Consultant II                   | 92               |
| Associate Consultant I                    | 72               |
| Technical Editor                          | 104              |
| Administrative Technician                 | 92               |
| Technician                                | 53               |
| Intern                                    | 42               |

**RATES**

Labor rates are effective through December 31, 2017.

**PAYMENT**

Cardno invoices will be submitted monthly. Payment is due on or before the thirtieth (30th) day following the date of the invoice. Invoices paid more than thirty (30) days after the invoice date are subject to a finance charge of one percent (1%) per month.