

RESOLUTION NO. 19-1307

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF
BLACK DIAMOND, KING COUNTY, WASHINGTON
AUTHORIZING A SPRINGS WATER POWER
GENERATION FEASIBILITY STUDY**

WHEREAS, the city has a window of opportunity to reconstruct the City's power generation facility in concert with the Springs Reconstruction project, and

WHEREAS, early feasibility analysis show good promise of project feasibility, and

WHEREAS, RH2 has the expertise to provide the City with the needed analysis to make a good economic decision for this project.

WHEREAS, the water department has available funding but the water power generation feasibility project was not included in the 2019 budget.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BLACK DIAMOND, WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. The Mayor is authorized to sign a contract with RH2 Engineering for a Water Power Turbine Generation Feasibility Study as attached. Additionally, the City Council does hereby appropriate the needed funds for this project.

PASSED BY THE CITY COUNCIL OF THE CITY OF BLACK DIAMOND, WASHINGTON, AT A REGULAR MEETING THEREOF, THIS 20TH DAY OF JUNE, 2019.

CITY OF BLACK DIAMOND:



Carol Benson, Mayor

Attest:



Brenda L. Martinez, City Clerk

**CITY OF BLACK DIAMOND
PROFESSIONAL SERVICES AGREEMENT
FOR CIVIL ENGINEERING SERVICES
FOR THE WATER TURBINE FEASIBILITY**

This Professional Services Agreement (“Agreement”) is entered into by and between:

CITY OF BLACK DIAMOND, WASHINGTON (the “City”)

Physical Address: 24301 Roberts Drive

Mailing Address: PO Box 599

Black Diamond, WA 98010

Contact: Seth Boettcher Phone: 360-851-4446 Fax : 360-851-4501

and RH2 Engineering, Inc. (“Consultant”)

Physical Address: RH2 Engineering, Inc.
 22722 29th Drive SE, Suite 210
 Bothell, WA 98021

Mailing Address: Same as above

Contact: Geoffrey G. Dillard, PE Phone: 253-327-1522 Fax: 425-951-5401

E-mail: gdillard@rh2.com

Tax Id No. 91-1108443

for non-exclusive professional civil engineering services in connection with the following project:

City of Black Diamond WATER TURBINE FEASIBILITY.

WHEREAS, the City has selected RH2 Engineering Inc. for civil engineering services pursuant to a request for qualifications and evaluation process; and

WHEREAS, the Consultant has agreed to provide the services described in Exhibit A (scope of work) under the terms and conditions set forth herein;

NOW, THEREFORE, in consideration of the mutual promises set forth herein, it is agreed by and between the parties as follows:

TERMS AND CONDITIONS

1. Services by Consultant

1.1 Consultant has been retained by the City to provide professional civil engineering services as generally described in the Scope of Work attached to this Agreement as Exhibit "A". The services performed by Consultant shall not exceed the Scope of Work nor shall the Consultant

be entitled to a greater amount of compensation as that provided in this Agreement without the prior written authorization of the City.

1.2 The City may from time to time require changes or modifications in the Scope of Work. Such changes, including any decrease or increase in the amount of compensation, shall be agreed to by the parties and incorporated in written amendments to this Agreement.

1.3 Consultant represents and warrants that its staff to be assigned to the Project, and its subconsultants and their staff have the requisite training, skill, and experience necessary to provide the services required by this Agreement and are appropriately accredited and licensed by all applicable agencies and governmental entities. Services provided by Consultant and its subconsultants under this Agreement will be performed in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing in similar circumstances.

2. Schedule of Work

2.1 The City and the Consultant agree that work will begin on the tasks described in Exhibit A upon execution of this Agreement. The goal of this design effort will be to have tasks outlined in Exhibit A completed at the end of December 31, 2020.

2.2 Additional time may be granted by the City for unforeseen delays or for extra work requested by the City.

3. Compensation

3.1 Rates. Compensation for the services provided according to the tasks outlined in Exhibit "A" shall be on a time and materials basis according to the list of billing rates and reimbursable expenses attached hereto as Exhibit "B" and shall not exceed TWENTY-TWO THOUSAND SEVEN HUNDRED DOLLARS (\$22,700.00). This amount shall not be exceeded without the prior written authorization of the City in the form of a negotiated and executed Agreement amendment.

4. Payment

4.1 Consultant shall maintain time and expense records and provide them to the City monthly, along with monthly invoices, in a format acceptable to the City for work performed to the date of the invoice.

4.2 All invoices shall be paid by City warrant within sixty (60) days of actual receipt by the City of an invoice conforming in all respects to the terms of this Agreement.

4.3 Consultant shall keep cost records and accounts pertaining to this Agreement available for inspection by City representatives for three (3) years after final payment unless a longer period is required by a third-party agreement. Consultant shall make copies available to the City on request.

4.4 If the services rendered do not meet the requirements of the Agreement, Consultant will correct or modify the work to comply with the Agreement. The City may withhold payment for such work until the work meets the requirements of the Agreement.

5. Discrimination and Compliance with Laws

5.1 Consultant agrees not to discriminate against any employee or applicant for employment or any other person in the performance of this Agreement because of race, creed, color, national origin, marital status, sex, age, disability, or other circumstance prohibited by federal, state, or local law or ordinance, except for a bona fide occupational qualification.

5.2 Consultant and its subconsultants shall comply with all federal, state, and local laws and ordinances applicable to the work to be done under this Agreement.

5.3 Any violation of this Section 5 shall be a material breach of this Agreement and grounds for immediate cancellation, termination, or suspension of the Agreement by the City, in whole or in part, and may result in Consultant's ineligibility to conduct further work for the City.

6. Duration, Suspension, and Termination of Agreement

6.1 This Agreement is an "Open End" Agreement that is signed by both parties, unless the City provides written notice of earlier termination pursuant to this Section 6, below.

6.2 The City reserves the right to terminate or suspend this Agreement at any time, without cause, by giving Consultant notice in writing no fewer than ten (10) days prior to the stated termination or suspension date. In the event of termination, all finished or unfinished reports, or other material prepared by Consultant pursuant to this Agreement, shall be submitted to the City. In the event the City terminates this Agreement prior to completion without cause, Consultant may complete such analyses and records as may be necessary to place its files in order. Consultant shall be entitled to compensation for any satisfactory work completed on the Project prior to the date of suspension or termination.

6.3 Any notice from the City to Consultant regarding the suspension of this Agreement shall specify the anticipated period of suspension. Any reimbursement for expenses incurred due to the suspension shall be limited to Consultant's reasonable expenses and shall be subject to verification. Consultant shall resume performance of services under this Agreement without delay when the suspension period ends.

7. Standard of Care

7.1 Consultant represents and warrants that it has the requisite training, skill, and experience necessary to provide the services under this Agreement and is appropriately accredited and licensed by all applicable agencies and governmental entities. Services Consultant provides under this Agreement will be performed in a manner consistent with that degree of care

and skill ordinarily exercised by members of the same profession currently practicing in similar circumstances. Consultant understands and agrees that the services rendered pursuant to this Agreement are for the sole exclusive benefit of the City and that no third party shall have authority to authorize, approve, direct or control any of the services rendered to the City pursuant to this Agreement.

8. Ownership of Work Product

8.1 Ownership of the originals of any reports, data, studies, surveys, charts, maps, drawings, specifications, figures, photographs, memoranda, and any other documents which are developed, compiled, or produced as a result of this Agreement, whether or not completed, shall be vested in the City and shall be submitted to the City upon termination of this Agreement. Consultant assigns to the City all of Consultant's right, title, and interest in any such documents. Any reuse of these materials by the City for projects or purposes other than those that fall within the scope of this Agreement and the Project to which it relates, without written concurrence by Consultant, will be at the sole risk of the City.

8.2 The City acknowledges Consultant's documents as instruments of professional service. Nevertheless, the documents prepared under this Agreement shall become the property of the City upon completion of the work. The City agrees to hold harmless and indemnify Consultant against all claims made against Consultant for damage or injury, including defense costs, arising out of the City's reuse of such documents beyond the use for which they were originally intended without the written authorization of Consultant.

8.3 Methodology, software, logic, and systems developed under this Agreement are the property of Consultant and the City, and may be used as either Consultant or the City see fit, including the right to revise or publish the same without limitation.

9. Indemnification/Hold Harmless

9.1 Consultant shall defend, indemnify, and hold the City, its officers, officials, employees, volunteers, and agents harmless from any and all claims, injuries, damages, losses or suits including attorney fees, arising directly or indirectly out of or resulting from the acts, errors, or omissions of Consultant or its subconsultants in performance of this Agreement, except for injuries and damages caused by the sole negligence of the City. PROVIDED, HOWEVER, THAT IF ANY SUCH CLAIMS, INJURIES, DAMAGES, LOSSES OR SUITS RESULT FROM THE CONCURRENT NEGLIGENCE OF CONSULTANT AND THE CITY, IT IS EXPRESSLY AGREED THAT CONSULTANT'S OBLIGATIONS AND INDEMNITY UNDER THIS PARAGRAPH SHALL BE EFFECTIVE ONLY TO THE EXTENT OF CONSULTANT'S NEGLIGENCE.

9.2 The City's inspection or acceptance of any of the Consultant's work when completed shall not be grounds to avoid any of these covenants of indemnification.

9.3 IT IS FURTHER SPECIFICALLY AND EXPRESSLY UNDERSTOOD THAT THE INDEMNIFICATION PROVIDED HEREIN CONSTITUTES THE CONSULTANT'S WAIVER OF IMMUNITY UNDER INDUSTRIAL INSURANCE, TITLE 51 RCW, SOLELY

FOR THE PURPOSES OF THIS INDEMNIFICATION. THE PARTIES FURTHER ACKNOWLEDGE THAT THEY HAVE MUTUALLY NEGOTIATED THIS WAIVER. THE CONSULTANT'S WAIVER OF IMMUNITY UNDER THE PROVISIONS OF THIS SECTION DOES NOT INCLUDE, OR EXTEND TO, ANY CLAIMS BY THE CONSULTANT'S EMPLOYEES DIRECTLY AGAINST THE CONSULTANT.

9.4 The provisions of this Section 9 shall survive the expiration or termination of this Agreement.

10. Insurance

10.1 Consultant shall procure and maintain for the duration of the Agreement, and shall provide proof satisfactory to the City that such insurance is procured and maintained by each of its subconsultants, insurance against claims for injuries to persons or damage to property which may arise from or in connection with the performance of the work hereunder by Consultant, its agents, representatives, or employees.

10.2 Consultant shall procure and maintain the following types and amounts of insurance:

a. Automobile Liability insurance covering all owned, non-owned, hired, and leased vehicles. Coverage shall be written on Insurance Services Office (ISO) form CA 00 01 or a substitute form providing equivalent liability coverage. If necessary, the policy shall be endorsed to provide contractual liability coverage. This insurance shall have a minimum combined single limit for bodily injury and property damage of \$1,000,000 per accident.

b. Commercial General Liability insurance shall be written on ISO occurrence form CG 00 01 or a substitute form providing equivalent liability coverage and shall cover liability arising from premises, operations, independent contractors, personal injury, and advertising injury. This insurance shall be written with limits no less than \$1,000,000 each occurrence, \$2,000,000 general aggregate.

c. Workers' Compensation coverage as required by the Industrial Insurance laws of the State of Washington.

d. Professional Liability insurance appropriate to Consultant's profession, with limits no less than \$1,000,000 per claim and \$1,000,000 policy aggregate limit.

10.3 The Automobile Liability, Commercial General Liability, and Professional Liability insurance policies are to contain, or be endorsed to contain, the following provisions:

a. Consultant's insurance coverage shall be primary insurance vis-à-vis the City. Any insurance, self-insurance, or insurance pool coverage maintained by the City shall be excess over Consultant's insurance and shall not contribute with it.

b. Consultant's insurance shall be endorsed to state that coverage shall not be cancelled, except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the City.

10.4 The City shall be named as an additional insured under Consultant's Automobile Liability and Commercial General Liability insurance policies with respect to the work to be performed for the City pursuant to this Agreement.

10.5 Insurance shall be placed with insurers with a current A.M. Best rating of not less than A:VII.

10.6 Declaration pages issued by the insurance carriers for the policies mentioned in this Section 10 showing such insurance to be in force shall be filed with the City not less than ten (10) days following both parties signing this Agreement and before commencement of the work. In addition, the City may request, in writing, a full copy from Consultant of any insurance policy Consultant must procure and maintain pursuant to this Agreement and Consultant must provide such copy to the City within ten (10) days of Consultant's receipt of the City's request. Any policy or required insurance written on a claims-made basis shall provide coverage as to all claims arising out of the services performed under this Agreement and for three (3) years following completion of the services to be performed. It shall be a material breach of this Agreement for Consultant to fail to procure and maintain the insurance required by this Section 10 or to provide the proof of such insurance to the City as provided for in this Agreement.

11. Assigning or Subcontracting

11.1 Consultant shall not assign, transfer, subcontract, or encumber any rights, duties, or interests accruing from this Agreement without the express prior written consent of the City, which consent may be withheld at the sole discretion of the City.

12. Independent Contractor

12.1 Consultant and its subconsultants are, and shall be at all times during the term of this Agreement, independent contractors. As the Consultant is customarily engaged in an independently established trade which encompasses the specific service provided to the City hereunder, no agent, employee, representative or sub-consultant of the Consultant shall be or shall be deemed to be the employee, agent, representative or sub-consultant of the City. In the performance of the work, the Consultant is an independent contractor with the ability to control and direct the performance and details of the work, the City being interested only in the results obtained under this Agreement. None of the benefits provided by the City to its employees including, but not limited to, compensation, insurance, and unemployment insurance are available from the City to the employees, agents, representatives, or sub-consultants of the Consultant. The Consultant will be solely and entirely responsible for its acts and for the acts of its agents, employees, representatives and sub-consultants during the performance of this Agreement. The City may, during the term of this Agreement, engage other independent contractors to perform the same or similar work that the Consultant performs hereunder.

12.2 The Consultant shall take all precautions necessary and shall be responsible for the safety of its employees, agents, and sub-consultants in the performance of the work hereunder and shall utilize all protection necessary for that purpose. All work shall be done at the Consultant's own risk, and the Consultant shall be responsible for any loss of or damage to

16.2 Even though the Consultant is an independent contractor with the authority to control and direct the performance, and details of the work authorized under this Agreement, the work must meet the approval of the City and shall be subject to the City's general right of inspection to secure the satisfactory completion thereof. The Consultant agrees to comply with all federal, state, and municipal laws, rules, and regulations that are now effective or become applicable within the terms of this Agreement to the Consultant's business, equipment, and personnel engaged in operations covered by this Agreement or accruing out of the performance of such operations.

16.3 The failure of the City to insist upon strict performance of any of the covenants and agreements contained herein, or to exercise any option herein conferred in one or more instances, shall not be construed to be a waiver or relinquishment of said covenants, agreements, or options and the same shall be and remain in full force and effect.

17. Extent of Agreement/Modification

17.1 This Agreement, together with any attachments or addenda, represents the entire and integrated Agreement between the parties hereto and supersedes all prior negotiations, representations, or agreements, either written or oral. This Agreement may only be amended, modified, or added to by written instrument properly signed by both parties. The parties acknowledge the general contract rule that a clause in a contract, such as this one, prohibiting oral modifications is itself generally subject to oral modification. However, in order to ensure certainty as to the terms and conditions of this Agreement, the parties waive this general contract rule.

18. Conflict of Interest; Non-Collusion

18.1 No officer, employee or agent of the City, nor any member of the immediate family of any such officer, employee or agent, shall have any personal financial interest, direct or indirect, in this Contract, either in fact or in appearance. The Consultant shall comply with all federal, state, and City conflict of interest laws, statutes and regulations. The Consultant represents that the Consultant presently has no interest and shall not acquire any interest, direct or indirect, in the project to which this Contract pertains which would conflict in any manner or degree with the performance of the Consultant's services and obligations hereunder. The contractor's officers, employees or agents shall neither solicit nor accept gratuities, favors or anything of monetary value from the project applicant or any affiliate or agent of the project applicant.

18.2 The Consultant warrants and represents that the Consultant has not, nor has any other member, employee, representative, agent or officer of the Consultant, entered into or offered to enter into any combination, collusion or agreement with any person or entity to receive or pay, and that he has not received or paid, any sum of money or other consideration for the execution of this Contract other than the consideration offered pursuant to the terms and conditions hereof.

AGREED TO BY:

CITY OF BLACK DIAMOND

CONSULTANT

By: Carol Benson

Carol Benson

Its: Mayor

By: _____

Geoffrey G. Dillard, PE

Its: Director

Date: 6/21/19

Date: _____

Attest:

By: Brenda L. Martinez

Brenda L. Martinez

City Clerk

APPROVED AS TO FORM:

David A. Linehan
City Attorney

EXHIBIT A
Scope of Work
City of Black Diamond
Water Turbine Feasibility Assistance

June 2019

Background

This Scope of Work includes tasks necessary for RH2 Engineering, Inc., (RH2) to assist the City of Black Diamond (City) with evaluating the feasibility of installing water turbines at the City's Black Diamond Springs Source to generate power to utilize the City's existing non-consumptive water rights. These upgrades would replace the City's existing turbines to augment power requirements of the North Bank Pump Station and to sell water back to Puget Sound Energy (PSE) as available.

Task 1 – Coordination and Preliminary Design

Objective: Coordinate with the City and PSE to determine water turbine feasibility and design.

- 1.1 Coordinate with City staff to determine the best configuration to install new turbines at the existing turbine building. This includes coordination with City staff over the telephone and one (1) site visit to verify dimensions and existing piping configuration.
- 1.2 Coordinate with City staff and PSE to determine PSE's requirement for connecting the turbines to the electrical grid. This includes coordination with City staff over the telephone and one (1) meeting with City staff and PSE representatives.
- 1.3 Select appropriately sized turbines for this project based on anticipated flow rates.
- 1.4 Determine the electrical and control requirements to operate the new turbines.
- 1.5 Prepare a schematic layout showing how new turbines would be integrated into the existing turbine building.
- 1.6 Evaluate the potential permitting requirements to implement this project.

Provided by City:

- Attendance at one (1) coordination meeting with RH2 and PSE.

RH2 Deliverables:

- Attendance at one (1) site visit.
- Attendance at one (1) coordination meeting with City and PSE.
- One (1) schematic layout in electronic format (PDF).
- One (1) summary letter of permitting and PSE requirements in electronic format (PDF).

EXHIBIT B

City of Black Diamond

Water Turbine Feasibility Assistance

Fee Estimate

Description	Total Hours	Total Labor	Total Expense	Total Cost
Classification				

Task 1	Coordination and Preliminary Design	112	\$ 21,330	\$ 1,370	22,700
1.1	Coordinate with City staff	20	\$ 4,066	\$ 234	4,300
1.2	Coordinate with City staff and PSE	16	\$ 3,130	\$ 160	3,290
1.3	Select appropriately sized turbines	20	\$ 3,768	\$ 172	3,940
1.4	Determine electrical and control requirements	12	\$ 2,332	\$ 68	2,400
1.5	Prepare schematic layout	32	\$ 5,818	\$ 582	6,400
1.6	Evaluate the potential permitting requirements	12	\$ 2,216	\$ 154	2,370

PROJECT TOTAL		112	\$ 21,330	\$ 1,370	22,700
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**EXHIBIT B1
RH2 ENGINEERING, INC.
2019 SCHEDULE OF RATES AND CHARGES**

RATE LIST	RATE	UNIT
Professional I	\$142	\$/hr
Professional II	\$157	\$/hr
Professional III	\$168	\$/hr
Professional IV	\$180	\$/hr
Professional V	\$194	\$/hr
Professional VI	\$206	\$/hr
Professional VII	\$223	\$/hr
Professional VIII	\$234	\$/hr
Professional IX	\$234	\$/hr
Technician I	\$106	\$/hr
Technician II	\$116	\$/hr
Technician III	\$133	\$/hr
Technician IV	\$141	\$/hr
Administrative I	\$70	\$/hr
Administrative II	\$82	\$/hr
Administrative III	\$98	\$/hr
Administrative IV	\$116	\$/hr
Administrative V	\$133	\$/hr
CAD/GIS System	\$27.50	\$/hr
CAD Plots - Half Size	\$2.50	price per plot
CAD Plots - Full Size	\$10.00	price per plot
CAD Plots - Large	\$25.00	price per plot
Copies (bw) 8.5" X 11"	\$0.09	price per copy
Copies (bw) 8.5" X 14"	\$0.14	price per copy
Copies (bw) 11" X 17"	\$0.20	price per copy
Copies (color) 8.5" X 11"	\$0.90	price per copy
Copies (color) 8.5" X 14"	\$1.20	price per copy
Copies (color) 11" X 17"	\$2.00	price per copy
Technology Charge	2.50%	% of Direct Labor
Mileage	\$0.580	price per mile (or Current IRS Rate)
Subconsultants	15%	Cost +
Outside Services	at cost	

Rates listed are adjusted annually.