

**CONTRACT FOR  
PROFESSIONAL SERVICES**

This contract, made by and between the City of Independence, Missouri (hereinafter called City) and, HDR Engineering, Inc., a Corporation (hereinafter called Consultant).

**WITNESSETH:**

WHEREAS, City requires Electrical Arc Flash Study services and,  
WHEREAS, Consultant is prepared to provide said professional services and shall give consultation and advice to City during the performance of said services;  
NOW THEREFORE, City and Consultant in consideration of the mutual covenants contained in this contract, agree as follows:

**ARTICLE 1 – EFFECTIVE DATE**

The effective date of this contract shall be \_\_\_\_\_.

**ARTICLE 2 – SERVICES TO BE PERFORMED BY CONSULTANT**

Consultant shall perform the services set forth in the documents attached hereto and made a part of this contract, which include one or more of these documents: Scope of work, statement of work, Consultant's proposal, and pricing.

**ARTICLE 3 – PERIOD OF SERVICE**

The services shall be completed by January 1, 2022.

**ARTICLE 4 – COMPENSATION**

For services performed, the City shall pay the Consultant, an amount not to exceed One Hundred Twenty-Seven Thousand Sixty-Five dollars and Zero cents (\$127,065.00).

Regular (e.g. monthly) invoices shall be submitted by the Consultant to the City for payment of services performed and expenses incurred during the preceding month. Invoices shall indicate the hours expended for each individual person, the total labor billing, and a summary of other expenses and charges with supporting documentation.

The City's payment terms are Net 30. Payment will be made by the City within thirty (30) days of receipt of the complete invoice. If credit is not acceptable, payment will be made by check.

The City is exempt from State of Missouri sales and use taxes on purchases made directly for the City. Consultant shall not include any sales or use taxes on transactions between the Consultant and City.

**ARTICLE 5 – PERMITS AND LICENSES**

The Consultant shall procure all necessary local professional licenses and a City of Independence occupation license, unless exempt under state law. Consultant will abide by all applicable laws, regulations, and ordinances of all federal, state, and local governments in which work under this contract is performed, and will require the same of all sub-Consultants. The Consultant must furnish and maintain certification of authority to conduct business in the State of Missouri.

**ARTICLE 6 – OWNERSHIP OF DOCUMENTS AND INTELLECTUAL PROPERTY**

Except as otherwise provided herein, documents, drawings, and specifications prepared by Consultant as part of the services shall become the property of City, provided Consultant has the unrestricted right to their use. Notwithstanding the foregoing, City accepts that any re-use of the documents or intellectual property shall be at City's sole risk and liability.

#### **ARTICLE 7 – CHANGES, DELETIONS, OR ADDITIONS TO CONTRACT**

Either party may request changes within the general scope of this Contract. If a requested change causes an increase or decrease in the cost or time required to perform this contract, City and Consultant will agree to an equitable adjustment of the contract price, period of service, or both, and will reflect such adjustment in a change order or formal modification.

#### **ARTICLE 8 – STANDARD OF CARE**

Consultant shall exercise the same degree of care, skill, and diligence in the performance of the services as is ordinarily possessed and exercised by a peer professional under similar circumstances.

#### **ARTICLE 9– LIABILITY AND INDEMNIFICATION**

Having considered the potential liabilities that may exist during the performance of this contract and the Consultant's fee, and in consideration of the mutual covenants contained in the contract, City and Consultant agree to allocate and limit such liabilities in accordance with this article.

Consultant agrees, to the fullest extent permitted by law, to indemnify and hold harmless the City, its officers, directors, and employees against all damages liabilities or costs, including reasonable attorney fees and defense costs, to the extent caused by the Consultant's negligent performance of professional services under this contract and that of its sub-Consultants or anyone for whom the Consultant is legally liable. Consultant shall indemnify City against legal liability for damages arising out of claims by Consultant's employees.

#### **ARTICLE 10 – INSURANCE**

##### **Architect, Engineering, and Survey Services**

The Consultant shall procure and maintain insurance against claims for injuries to persons or damages to property, which may arise from or in connection with the materials, equipment or supplies provided to the City. The insurer(s) must be licensed for business in the State of Missouri and maintain an A.M. Best rating of no less than A: VII; or an insurer approved by the City. Each policy requires a minimum cancellation notification of at least thirty (30) days' advance written notice to the City.

(1) General Liability Insurance, with bodily injury and property damage limits of \$1,000,000 for each occurrence with a \$2,000,000 general aggregate and \$2,000,000 products and completed operations aggregate.

(2) Professional Liability or Errors and Omissions Insurance, with a limit of \$1,000,000 annual aggregate.

(3) Automobile Liability Insurance, with bodily injury limits of \$1,000,000 for each person and \$1,000,000 for each accident, and with property damage limits of \$1,000,000 for each accident.

The above limits are the minimum acceptable and do not infer or place a limit on the liability of the Consultant. The City is to be named as an additional insured as the City's interest may appear for the General Liability and the Automobile Liability Insurance. The Consultant's insurance shall be primary

and any insurance or self-insurance maintained by the City shall be excess for the City and not contribute with the coverage maintained by the Consultant.

The City shall not obtain worker's compensation insurance on behalf of the Consultant or the employees of the Consultant. The Consultant shall comply with the worker's compensation law concerning its business and its employees.

#### **WORKER'S COMPENSATION**

The City shall not obtain worker's compensation insurance on behalf of the contractor or the employees of the contractor. The contractor shall comply with the worker's compensation law concerning its business and its employees.

#### **ARTICLE 11 – SHIPPING, TITLE AND RISK OF LOSS**

All sales and deliveries are F.O.B. City.

#### **ARTICLE 12 – DELAY IN PERFORMANCE**

Neither City nor Consultant shall be considered in default of this contract for delays in performance caused by circumstances beyond the reasonable control of the nonperforming party. For purposes of this contract, such circumstances include, but are not limited to, abnormal weather conditions; floods; earthquakes; fire; epidemics; war, riots, and other civil disturbances; strikes, lockouts, work slowdowns, and other labor disturbances; sabotage; judicial restrains; and inability to procure permits, licenses, or authorizations from any local, state, or federal agency for any of the supplies, materials, accesses, or services required to be provided by either City or Consultant under this contract. If such circumstances occur, the non-performing party shall, within a reasonable time of being prevented from performing, give written notice to the other party describing the circumstances preventing continued performance and the efforts being made to resume performance of this contract.

#### **ARTICLE 13 – TERMINATION**

City may terminate or suspend performance of this contract for City's convenience upon written notice to Consultant. Consultant shall terminate or suspend performance of the services on a schedule acceptable to City. If termination or suspension is for City's convenience, City shall pay Consultant for all the services performed till the date of the termination by the City or suspension expenses. If contract is restarted, an equitable adjustment shall be made to Consultant's compensation.

This contract may be terminated by either party upon written notice in the event of substantial failure by the other party to perform in accordance with the terms of this contract. The nonperforming party shall have 15 calendar days from the date of the termination notice to cure or to submit a plan for cure acceptable to the other party. In the event that funding for the contract is discontinued, City shall have the right to terminate this contract immediately upon written notice to Consultant.

#### **ARTICLE 14– WAIVER**

A waiver by either City or Consultant of any breach of this contract shall be in writing. Such a waiver shall not affect the waiving party's rights with respect to any other or further breach.

#### **ARTICLE 15 – SEVERABILITY**

The invalidity, illegality, or unenforceability of any provision of this contract or the occurrence of any event rendering any portion or provision of this contract void shall in no way affect the validity or enforceability of any other portion or provision of this contract. Any void provision shall be deemed

severed from this contract, and the balance of this contract shall be construed and enforced as if this contract did not contain the particular portion or provision held to be void. The parties further agree to amend this contract to replace any stricken provision with a valid provision that comes as close as possible to the intent of the stricken provision. The provisions of this article shall not prevent this entire contract from being void if a provision which is of the essence of this contract be determined void.

#### **ARTICLE 16 – SUCCESSORS AND ASSIGNS**

City and Consultant each binds itself and its directors, officers, partners, successors, executors, administrators, assigns, and legal representatives to the other party to the contract and to the directors, officers, partners, successors, executors, administrators, assigns, and legal representatives of such other party in respect to all provisions of this contract.

#### **ARTICLE 17 – ASSIGNMENT**

Neither City nor Consultant shall assign any rights or duties under this contract without the prior written consent of the other party. Unless otherwise stated in the written consent to an assignment, no assignment will release or discharge the assignor from any obligation under this contract.

#### **ARTICLE 18– THIRD PARTY RIGHTS**

Nothing in this contract shall be construed to give any rights or benefits to anyone other than City and Consultant.

#### **ARTICLE 19– INDEPENDENT CONSULTANTS**

Each party shall perform its activities and duties hereunder only as an independent Consultant. The parties and their personnel shall not be considered to be employees or agents of the other party. Nothing in this contract shall be interpreted as granting either party the right or authority to make commitments of any kind for the other. This contract shall not constitute, create, or in any way be interpreted as a joint venture, partnership or formal business organization of any kind.

#### **ARTICLE 20– AUDIT**

Consultant agrees that the City, or a duly authorized representative, shall, until the expiration of three (3) years after final payment under this contract have access to and the right to examine and copy any pertinent books, documents, papers, records, or electronic records of the Consultant involving transactions related to this contract.

#### **ARTICLE 21 – EQUAL EMPLOYMENT OPPORTUNITY**

During the performance of this contract or purchase order, the Consultant agrees as follows: The Consultant will not discriminate against any employee or applicant for employment because of race, age, color, religion, sex, national origin or any other legally protected category. The Consultant will take affirmative action to ensure that applicants are employed, and that employees are treated fairly during employment, without regard to their race, age, color, religion, sex, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training including apprenticeship. The Consultant agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

The Consultant will, in all solicitations or advertisements for employees placed by or on behalf of the Consultant, state that all qualified applicants will receive consideration for employment without regard to race, age, color, religion, sex, or national origin.

The Consultant will send to each labor union or representative of workers with which Consultant has a collective bargaining agreement or other contract or understanding, a notice to be provided by a contract compliance officer advising the said labor union or workers' representatives of the Consultant's commitment under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The Consultant will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

The Consultant will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his or her books, records, and accounts by the Department and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

In the event of the Consultant's noncompliance with the non-discrimination clauses of this contract or purchase order with any of the said rules, regulations, or orders, this contract or purchase order may be canceled, terminated, or suspended in whole or in part, and the organization may be declared ineligible for any further government contracts or purchase order or federally assisted contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, or by rules, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

The Consultant will include the entire text of this Equal Employment Opportunity section and its subsections in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each sub-Consultant or vendor. The Consultant will take such action with respect to any sub-Consultant or purchase order as the City may direct as a means of enforcing such provisions, including sanctions of noncompliance; provided, however, that in the event a Consultant becomes involved in, or is threatened with litigation with a sub-Consultant or vendor as a result of such direction by the City, the Consultant may request the United States to enter into such litigation to protect the interest of the United States.

#### **ARTICLE 22 – ANTI-DISCRIMINATION AGAINST ISRAEL ACT**

Contractors working on behalf of the City of Independence are to abide by Missouri Revised Statute 34.600, otherwise known as the Anti-Discrimination against Israel Act.

#### **ARTICLE 23 – GOVERNING LAW**

This contract shall be governed by the laws of the State of Missouri. The City and the Consultant agree that the performance of this contract will be deemed to have occurred in the State of Missouri and that Consultant's performance under this contract will be deemed the transaction of business in Missouri. Jurisdiction and venue for any claim or cause of action arising under this contract shall be exclusively in the Sixteenth Judicial Circuit of Missouri and the Consultant submits to personal jurisdiction of and waives any personal jurisdiction or inconvenient forum objection to, that court.

#### **ARTICLE 24 – COMMUNICATIONS**

Any communication required by this contract to the Consultant shall be made in writing to the authorized representative named on the completed front page or response page of the solicitation. Any communication required by this contract with the City shall be to:

Karen Kelley, Water Department Production Manager

Nothing contained in this article shall be construed to restrict the transmission of routine communications between representatives of Consultant and City.

#### **ARTICLE 25 – SEPARATE CONTRACTS**

City and Consultant each reserve the right to, from time to time, enter into other contracts for specific projects. If such contracts are separately approved in writing by the parties, the terms and conditions of those contracts shall prevail for the specific projects set forth therein.

#### **ARTICLE 26 – ENTIRE CONTRACT**

This contract represents the entire agreement between the City and Consultant. All previous or contemporaneous agreements, representations, promises and conditions relating the Consultant's services described herein are superseded.

#### **ARTICLE 27 – SURVIVAL OF TERMS**

The following provisions shall survive the expiration or termination of this contract for any reason: if any payment obligations exist, Article 4 – Compensation; Article 5 – Permits and Licenses; Article 9 – Liability and Indemnification; Article 14 – Waiver; Article 15 – Severability; Article 17 – Assignment; Article 19 – Independent Consultants; Article 23 – Governing Law; Article 26 – Entire Contract; and this Article 27 – Survival of Terms.

IN WITNESS WHEREOF, City and Consultant, by and through their authorized officers, have made and executed this contract.

**City**

By \_\_\_\_\_

Date \_\_\_\_\_

**Consultant**

By  \_\_\_\_\_  
Joseph E. Drimmel

Title Senior Vice President \_\_\_\_\_

Date May 11, 2021 \_\_\_\_\_

**HDR Engineering, Inc.**

**Courtney Bend WTP, Wellfields and Reservoirs Arc Flash Study – Draft Scope and Fee  
City of Independence, MO - Water Department**

**General**

The following addresses the work tasks and deliverables requested by the City of Independence Water Department to complete an Arc Flash Study for the Courtney Bend Water Treatment Plant and associated wellfields, Van Horn Reservoir, 35<sup>th</sup> St. Reservoir and 39<sup>th</sup> St. Reservoir.

**Objectives**

The Water Department determined they had a need for an Arc Flash Study to be completed for several of their facilities. The study includes the following objectives:

1. Determine the amount of energy released if there is an arc in the system.
2. Provide data and assist the Water Department to standards to enable the Water Department to develop a safety plan, if desired.
3. Provide equipment labeling for arc flash hazards.
4. Provide a comprehensive one-line exhibit for the Courtney Bend Water Treatment Plant.

**Work Tasks**

**Task 1 – Project Initiation/Project Management**

Project management activities include contract execution and set-up, monthly budget tracking and invoicing, coordination of staff and coordination of quality control activities, and project close-out activities. This task includes a kick-off meeting/call with staff at the beginning of the project to review information, coordinate project schedule and execution, and review the following scope items:

1. One normal power scenario utilizing worst case utility fault current
2. Data to be printed on arc flash label
  - a. Date
  - b. Equipment ID
  - c. Voltage
  - d. Shock Hazard
  - e. Arc Flash Boundary
  - f. Incident Energy
  - g. PPE Data (Based on Water Department safety standard requirements and compliant with NFPA 70E)



3. Equipment included in study:
  - a. Medium Voltage and Low Voltage:
    - i. Courtney Bend WTP and wellfields – Starting at load side of Customer Owned transformer
    - ii. Reservoirs – Starting at load side of Utility transformer
  - b. Switchboards, panelboards, motor control centers, industrial control panel (containing motor starters/VFD's)

#### Task 2 – Courtney Bend WTP Arc Flash Study

1. Gather data and reference information including equipment nameplate data for electrical equipment and motors over 25HP.
2. Review record drawings, shop drawing data and reference information.
3. Utility coordination.
4. Generate a list of the included equipment and control panels.
5. Conduct two site visits to the water treatment plant to investigate and resolve information gaps.
6. Utilize electrical subconsultant that is medium and low voltage trained for assistance during site investigations and information gathering.
7. Coordinate and conduct data and reference information review meeting with the Water Department.
8. Develop SKM model for the study.
  - a. Short circuit study
    - i. Identify underrated equipment.
  - b. Protective coordination study
    - i. Recommend repair solutions if not coordinated.
  - c. Arc flash study
    - i. IEEE 1584-2018
    - ii. Recommend solutions to lower PPE Category, if necessary
9. Draft Arc Flash Study Report.
  - a. HDR to conduct internal Quality Control Review.
10. Conduct meeting with the Water Department to review draft report.
11. Finalize Arc Flash Study Report.

#### Task 3 – Wellfield Arc Flash Study

1. The following lists the number of wells in each wellfield:

- a. South Wellfield – 27 wells
  - b. North Wellfield – 8 wells
  - c. East Wellfield – 7 wells
2. Gather data and reference information including equipment nameplate data for electrical equipment and motors over 25HP.
3. Review record drawings, shop drawing data and reference information.
4. Utility coordination.
5. Generate a list of the included equipment and control panels.
6. Conduct one site visit to the wellfields to investigate and resolve information gaps.
7. Utilize electrical subconsultant that is medium and low voltage trained for assistance during site investigations and information gathering.
8. Coordinate and conduct data and reference information review meeting with the Water Department.
9. Develop SKM model for the study.
  - a. Short circuit study
    - i. Identify underrated equipment.
  - b. Protective coordination study
    - i. Recommend repair solutions if not coordinated.
  - c. Arc flash study
    - i. IEEE 1584-2018
    - ii. Recommend solutions to lower PPE Category, if necessary
10. Draft Arc Flash Study Report.
  - a. HDR to conduct internal Quality Control Review.
11. Conduct meeting with the Water Department to review draft report.
12. Finalize Arc Flash Study Report.

#### Task 4 – Reservoirs Arc Flash Study

1. Three reservoirs:
  - a. Van Horn Reservoir
  - b. 35th St. Reservoir
  - c. 39th St. Reservoir
2. Gather data and reference information including equipment nameplate data for electrical equipment and motors over 25HP.

3. Review record drawings, shop drawing data and reference information.
4. Utility coordination.
5. Generate a list of the included equipment and control panels.
6. Conduct one site visit to the reservoirs to investigate and resolve information gaps.
7. Utilize electrical subconsultant that is medium and low voltage trained for assistance during site investigations and information gathering.
8. Coordinate and conduct data and reference information review meeting with the Water Department.
9. Develop SKM model for the study.
  - a. Short circuit study
    - i. Identify underrated equipment.
  - b. Protective coordination study
    - i. Recommend repair solutions if not coordinated.
  - c. Arc flash study
    - i. IEEE 1584-2018
    - ii. Recommend solutions to lower PPE Category, if necessary
10. Draft Arc Flash Study Report.
  - a. HDR to conduct internal Quality Control Review.
11. Conduct meeting with the Water Department to review draft report.
12. Finalize Arc Flash Study Report.

**Deliverables:**

1. Arc Flash Study Report
2. Equipment labeling for Arc Flash hazards
  - a. Printed labels applied by Water Department personnel or electrician sub
3. Comprehensive one-line exhibit for the Courtney Bend Water Treatment Plant

**Schedule**

The anticipated duration for the proposed scope of work is approximately 6 months.

**Assumptions:**

Travel by HDR Engineer out of Omaha for kick off meeting and initial site visit. Additional follow up site visits and meetings attended by local KC area Engineers.

## City of Independence - ARC Flash Study

## Scope and Fee

Staff Name	Say	Witte	Howell	Ingerson	Edwards	Thernes	Campbell	Harkins	HDR Expenses	Superior Electric	Total
Rate Schedule Code	Engineer IV	Engineer III	Engineer IV	Engineer I	Engineer I	Technical Specialist	Project Assistant	Project Accountant I			
Billing Rate	\$195.00	\$165.00	\$195.00	\$110.00	\$110.00	\$250.00	\$95.00	\$95.00			
TASKS											
<b>A. Task 1 - Project Initiation/Project Management</b>											
1 Kick off meeting	1	1	1	1	1	1					\$1,025
2 Project initiation/monthly invoicing	6						6	6			\$2,310
<b>Subtotal Hours</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>6</b>	<b>6</b>			
<b>Subtotal Dollars</b>	<b>\$1,365</b>	<b>\$165</b>	<b>\$195</b>	<b>\$110</b>	<b>\$110</b>	<b>\$250</b>	<b>\$570</b>	<b>\$570</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,335</b>
<b>Total Task 1</b>											<b>\$3,335</b>
<b>B. Task 2 - Courtney Bend WTP Arc Flash Study</b>											
1 Gather data and reference information	1		1	2	2						\$830
2 Review record drawings, shop drawing data and reference information			2	16	16						\$3,910
3 Utility Coordination		1	1								\$360
4 General list of equipment			1	8	8				\$1,750	\$3,932	\$1,955
5 Conduct two (2) site visits	10	12	32								\$15,852
6 Process field data		4	8	16	16						\$5,740
7 Data and reference information review meeting	1		1	1	1						\$610
8 Develop SKM model			1	16	16						\$3,715
9 50% Draft Arch Flash Study Report			4	16	16		18				\$6,010
10 QA/QC	1					12					\$3,195
11 Meeting to review 50% draft report	3	3	2	2							\$1,690
12 100% Draft Arch Flash Study Report			12	16	16		10				\$6,810
13 One-line exhibit for CBP <sup>(1)</sup>		1	2	4	4	1					\$1,685
14 QA/QC	1					8					\$2,195
15 Meeting to review 100% draft report and one-line diagram	4	4	3	3							\$2,355
16 Finalize report			2	4	4		4		\$500	\$715	\$1,650
17 Print and apply equip labels for Arc Flash Hazards <sup>(2)</sup>	2	8	1	12							\$4,440
<b>Subtotal Hours</b>	<b>23</b>	<b>33</b>	<b>73</b>	<b>116</b>	<b>99</b>	<b>21</b>	<b>32</b>	<b>0</b>	<b>\$2,250</b>	<b>\$4,647</b>	<b>\$63,002</b>
<b>Subtotal Dollars</b>	<b>\$4,485</b>	<b>\$5,445</b>	<b>\$14,235</b>	<b>\$12,760</b>	<b>\$10,890</b>	<b>\$5,250</b>	<b>\$3,040</b>	<b>\$0</b>	<b>\$2,250</b>	<b>\$4,647</b>	<b>\$63,002</b>
<b>Total Task 2</b>											<b>\$63,002</b>
<b>C. Task 3 - Wellfield Arc Flash Study</b>											
1 Gather data and reference information	1		1	2	2						\$830
2 Review record drawings, shop drawing data and reference information			2	8	8						\$2,150
3 General list of equipment			1	4	4						\$1,075
4 Conduct one (1) site visit <sup>(3)</sup>		4	8						\$1,072		\$3,292
5 Process field data		2	4	8	8						\$2,870
6 Data and reference information review meeting	0.5		0.5	0.5	0.5						\$305
7 Develop SKM model			1	16	16						\$3,715
8 50% Draft Arch Flash Study Report			4	10	10		12				\$4,120
9 QA/QC	1					6					\$1,695
10 Meeting to review 50% draft report	1	1	1	1							\$665
11 100% Draft Arch Flash Study Report			4	6	6		4				\$2,480
12 QA/QC	1					2					\$695
13 Meeting to review 100% draft report	1	1	1	1							\$665
14 Finalize report			1	2	2		2				\$825
15 Print and apply equip labels for Arc Flash Hazards <sup>(2)</sup>	2	8	1	12					\$150	\$715	\$4,090
<b>Subtotal Hours</b>	<b>8</b>	<b>16</b>	<b>30</b>	<b>71</b>	<b>57</b>	<b>8</b>	<b>18</b>	<b>0</b>	<b>\$150</b>	<b>\$1,787</b>	<b>\$29,472</b>
<b>Subtotal Dollars</b>	<b>\$1,463</b>	<b>\$2,640</b>	<b>\$5,753</b>	<b>\$7,755</b>	<b>\$6,215</b>	<b>\$2,000</b>	<b>\$1,710</b>	<b>\$0</b>	<b>\$150</b>	<b>\$1,787</b>	<b>\$29,472</b>
<b>Total Task 3</b>											<b>\$29,472</b>

**City of Independence - ARC Flash Study**  
**Scope and Fee**

Staff Name	Say	Witte	Howell	Ingerson	Edwards	Thernes	Campbell	Harkins		
Rate Schedule Code	Engineer IV	Engineer III	Engineer IV	Engineer I	Engineer I	Technical Specialist	Project Assistant	Project Accountant I		
Billing Rate	\$195.00	\$165.00	\$195.00	\$110.00	\$110.00	\$250.00	\$95.00	\$95.00	HDR Expenses	Superior Electric
TASKS										Total
<b>D. Task 4 - Reservoirs Arc Flash Study</b>										
1. Gather data and reference information			1.5	3	3					\$953
2. Review record drawings, shop drawing data and reference information			1.5	6	6					\$1,613
3. Utility Coordination		3	3							\$1,080
4. General list of equipment			1.5	4.5	4.5					\$1,283
5. Conduct one (1) site visit <sup>(3)</sup>		4	8						\$1,072	\$3,292
6. Process field data		3	6	9	9					\$3,645
7. Data and reference information review meeting	1			1	1					\$610
8. Develop SKM model			3	15	15					\$3,885
9. 50% Draft Arch Flash Study Report			3	12	12		12			\$4,365
10. QA/QC	1					6				\$1,695
11. Meeting to review 50% draft report	1	1	1	1			4			\$665
12. 100% Draft Arch Flash Study Report			3	6	6					\$2,285
13. QA/QC	1					2				\$695
14. Meeting to review 100% draft report	1	1	1	1						\$665
15. Finalize report			1	2	2		2			\$825
16. Print and apply equip labels for Arc Flash Hazards <sup>(2)</sup>		8	1	9					\$90	\$715
<b>Subtotal Hours</b>	<b>7</b>	<b>20</b>	<b>36</b>	<b>70</b>	<b>59</b>	<b>8</b>	<b>18</b>	<b>0</b>	<b>\$90</b>	<b>\$1,787</b>
<b>Subtotal Dollars</b>	<b>\$1,365</b>	<b>\$3,300</b>	<b>\$6,923</b>	<b>\$7,645</b>	<b>\$6,435</b>	<b>\$2,000</b>	<b>\$1,710</b>	<b>\$0</b>	<b>\$90</b>	<b>\$31,255</b>
<b>Total Task 4</b>										<b>\$31,255</b>
<b>Total Hours</b>	<b>45</b>	<b>70</b>	<b>139</b>	<b>257</b>	<b>215</b>	<b>38</b>	<b>74</b>	<b>6</b>		<b>844</b>
<b>Total Billing Amount</b>	<b>\$8,678</b>	<b>\$11,550</b>	<b>\$27,105</b>	<b>\$28,270</b>	<b>\$23,650</b>	<b>\$9,500</b>	<b>\$7,030</b>	<b>\$570</b>	<b>\$2,490</b>	<b>\$8,222</b>
										<b>\$127,065</b>

Notes and Assumptions:

1. Base CAD file provided to HDR by Independence Water Department for generation of one-line diagram.
2. Assumed 100 warning labels and 50 danger labels for CBP. Assumed 50 labels for wellfields and 10 each for reservoirs. \$50 shipping cost included.
3. Travel expenses included in WTP task.
4. Fee based on all tasks being performed. Removal of task 3 could impact fee of task 2 as some information gathering for the wellfields would still be required.

Estimated Project Fee \$127,065

**HDR Engineering, Inc.**  
**2021 Hourly Billing Rates**

Enclosed are the 2021 Hourly Billable Rates for HDR Engineering, Inc. These billing rates shall be adjusted annually to reflect any salary adjustments incurred by employees. The rates listed below do not include reimbursable direct expenses as defined below.

<b>Description</b>	<b>Billing Rate/Hour</b>
Senior Technical Specialist/Senior Project Manager III	\$275
Technical Specialist/Senior Project Manager II	\$250
Senior Project Manager I	\$230
Project Manager III	\$195
Project Manager II	\$165
Project Manager I	\$135
Engineer V	\$230
Engineer IV	\$195
Engineer III	\$165
Engineer II	\$135
Engineer I	\$110
Cadd/GIS Technician V	\$165
Cadd/GIS Technician IV	\$140
Cadd/GIS Technician III	\$130
Cadd/GIS Technician II	\$110
Cadd/GIS Technician I	\$95
Environmental/Water Quality Scientist III	\$190
Environmental/Water Quality Scientist II	\$175
Environmental/Water Quality Scientist I	\$150
Senior Land Surveyor	\$165
Survey Technician III	\$120
Survey Technician II	\$85
Survey Technician I	\$65
Construction Manager II	\$160
Construction Manager I	\$140
Construction Engineer	\$120
Construction Inspector	\$110
Project Accountant II	\$110
Project Accountant I	\$95
Project Assistant	\$95
Admin Assistant	\$80

**Direct Expenses**

Mileage	CURRENT IRS RATE
Printing	AT COST
Travel	AT COST
Subconsultants	AT COST