



COLORADO

Department of Local Affairs
Division of Local Government

FY 2020 Dec. 2 EIAF Tier I/Tier II Grant Application

Local Government/Organization: [Erie, Town of](#)
Status: [Accepted](#)
Filed On: [2019-11-26T16:21:02](#)
Filed By: [TFESSENDEN](#)
Reviewed On: [2019-12-04T10:53:11](#)
Reviewed By: [TKATERS](#)
Reviewer Notes:

Application Overview ☐

You are Required to Work with your Regional Manager prior to Completing an Application

The Department of Local Affairs' (DOLA) Energy and Mineral Impact Assistance Fund (EIAF) program was created to assist political subdivisions that are socially and/or economically impacted by the development, processing, or energy conversion of minerals and mineral fuels. Funds come from the state severance tax on energy and mineral production and from a portion of the state's share of royalties paid to the federal government for mining and drilling of minerals and mineral fuels on federally-owned land. The creation of the fund is outlined in C.R.S. 34-63-102 (Federal Mineral Lease) and C.R.S. 39-29-110 (Severance). Grant dollars are to be awarded for the planning, design, construction, and maintenance of public facilities and for the provision of services by political subdivisions.

A. APPLICANT/CONTACT INFORMATION ☐

1. Local Government/Organization: [Erie, Town of](#)

In the case of a multi-jurisdictional application, select the other participating eligible organizations:

2. Principal Representative:

(In the case of a multi-jurisdictional application, principal representative of the lead organization.)

Honorific:

First Name: [Todd](#)

Middle Name:

Last Name: [Fessenden](#)

Suffix:

Role:

Mailing Address: PO 750

Address 2:

City: Erie

State: CO

Zip Code: 80516

Phone #: 303-926-2870

Email Address: tfessenden@erieco.gov

3. Responsible Administrator (will receive all mailings) for the Application:

Honorific:

First Name: Wendi

Middle Name:

Last Name: Palmer

Suffix:

Role:

Mailing Address: PO 750

Address 2:

City: Erie

State: CO

Zip Code: 80516

Phone #: 303-926-2875

Email Address: wpalmer@erieco.gov

B. CHIEF ELECTED OFFICIAL INFORMATION



Please provide contact information for the chief elected official.

a. Name

In the case of a multi-jurisdictional application, chief elected official of the "lead" political subdivision.

Jennifer Carroll

b. Title

Mayor

c. Street Address

645 Holbrook

d. City

Erie

e. State

Please use the two letter abbreviation

CO

f. Zip

80,516

g. Phone

Use xxx-xxx-xxxx format

303-926-2700

h. Email Address

jcarroll@erieco.gov

C. PROJECT DESCRIPTION AND DEMOGRAPHIC INFORMATION**a. Project Title**

Begin the project name with your community name. Example: "Oak Creek *Project Name*", "Gunnison County *Project Name*"

Erie Horizontal Well Pilot Project

b. Amount of grant funds requested

** The amount requested should equal "Grant Request Total" line from the project budget below.*

785,955.00

c. Matching Funds

785,955.00

d. Description of the project scope of work

Description of the various tasks involved in the project including specific data such as quantities, mileage, square feet, linear ft. etc. as well as specific project location within city and/or county etc. (word limit: 4,000 characters)

This project involves the design, construction, and operation of a horizontal water well near the Town of Erie's North Water Reclamation Facility (NWRP). The Town is developing an indirect potable (and non-potable) reuse system capable of maximizing the efficient use of their new and existing Boulder Creek water rights. The horizontal well will be designed to maximize yield while also providing riverbank filtration (RBF) water quality improvements that will act as water pre-

treatment, reducing water treatment plant upgrades. The Town will use the Horizontal Well Pilot results to improve designs for the rest of the system, which may ultimately include five (5) more horizontal wells. The Horizontal Well Pilot results will also be distributed to other entities considering water supply development in shallow alluvial aquifers. The project will include three tasks: 1. Design Hydrogeology and Engineering 2. Horizontal Well Construction and Development 3. Pilot Operations, Reporting and Community Workshop

e. Describe the problem, opportunity or challenge that resulted in the request.

(word limit: 4,000 characters)

Many water wells in Colorado are in shallow alluvial aquifers, some downstream of wastewater effluent discharges. These conditions present yield and water quality issues that are challenging for conventional vertical wells. Horizontal wells have been used extensively in other fields (oil and gas, dewatering, environmental), but have yet to be used extensively in water resources.

f. Local Priority

If more than one application from the same government (1 of 2, 2 of 2, etc.)

2

g. State historic registry designation

Is the project on a State registered historic site or in a State registered Historic District?

No

g.1 State historic registry number

If the project is on the state registry, please provide the registry number. The department may need to seek a determination of effect from the State Historic Society.

h. 2010 population of the applicant jurisdiction

18,000.00

i. Current population

Current/most recent conservation trust fund/lottery distribution estimate is acceptable.

28,308.00

i.1 Current population estimate source

<https://www.erieco.gov/ArchiveCenter/ViewFile/Item/2980>

j. 5 year population projection

34,000.00

j.1 Population projection source

Town Building Department

k. Have you contacted your DOLA regional manager to discuss this project?

You are **required** to contact your DOLA regional manager prior to submitting your application. Please indicate the date and method of your contact with your regional manager.

Y

k.1 Date

You are **required** to complete this field.

07/15/2019

k. 2 Method of contact

You are **required** to complete this section.

Email

l. Supporting documents

Upload any supporting documents (PDF document).

Download

Erie Horiz Well - Budget and Schedule 20191201.pdf

D. DEMONSTRATION OF NEED

The statutory purpose of the Energy and Mineral Impact Assistance program is to provide financial assistance to “political subdivisions socially or economically impacted by the development, processing or energy conversion of minerals and mineral fuels.”

a. Demonstration of need

Why is the project needed at this time? (word limit: 4,000 characters)

Erie is developing a water reuse system to divert new and existing water rights out of Boulder Creek through the alluvial aquifer. Boulder Creek is impacted by wastewater effluent discharges and presents water quality challenges. The alluvial aquifer is thin in the area. Vertical wells typically have reduced yields and operations/maintenance issues related to water quality impacted by wastewater effluent. Horizontal water wells are rare in Colorado water resources, and yet show great potential for increasing the yields and water quality available to water entities who develop shallow alluvial groundwater sources. A horizontal pilot project will demonstrate the potential benefits while developing best practices for the design, construction and operations of horizontal wells.

b. Project implementation

How does the implementation of this project address the need? (word limit: 4,000 characters)

This project will simultaneously expand Erie's water supply through efficient reuse (minimizing need for agricultural buy and dry or transmountain diversions), while developing best practices for innovative horizontal wells. Horizontal wells provide increased yields and water quality

improvements to indirect potable reuse systems. This Pilot project will demonstrate these benefits and provide Best Practices for other water users across the State.

c. Does this project address the stated need

Does this project, as identified in this application, completely address the stated need? If not, please describe additional work or phases and the estimated time frame. Do you anticipate requesting Energy and Mineral Impact Assistance funds for future phases? (word limit: 4,000 characters)

This project will address the initial need, and will be the first of up to six (6) horizontal wells. It is unknown whether EIAF funds will be requested for future phases.

d. What other implementation options have been considered?

(word limit: 4,000 characters)

Other options considered include direct diversion off of Boulder Creek and additional purchases of Northern Water - Windy Gap shares.

e. What are the consequences if the project is not awarded funds?

(word limit: 4,000 characters)

The Town will have to divert funding from other improvement projects.

E. FINANCIAL INFORMATION (CURRENT YEAR)



Lead Applicant

a. Assessed Valuation (AV)

Assessed Valuation in most recent year.

447,031,662.00

b. Total Mill Levy

15.09

c. Property Tax Revenue Generated

(mill levy x AV / 1,000)

d. Sales Tax

Sales Tax Rate

d.1 Sales Tax Estimated Annual Revenue

e. General Fund Budgeted Revenue

30,196,500.00

f. General Fund Budgeted Expenditures

32,299,600.00

g. General Fund Balance as of December 31st of the previous year

27,684,685.00

h. Portion of General Fund which is Unassigned

17,436,060.00

i. Total Budgeted Revenue (All Funds)

83,739,200.00

j. Total Budgeted Expenditures (All Funds)

104,085,000.00

k. Total Fund Balance (All Funds)

173,332,285.00

l. Total Outstanding Debt (All Funds)

74,382,891.00

Co-Applicant Financials (only where applicable)**a. co-applicant financials**

Upload only in cases where more than one applicant is relevant.

Please use the worksheet linked

here: <https://drive.google.com/file/d/1CFEgyuaKoKTmRS5SyL5IKB0RPaHzksBM/view>

Download

Special Fund(s)

For projects to be managed through a Special Fund other than the General Fund (e.g. County Road and Bridge Fund) or managed through an Enterprise Fund (e.g. water, sewer, county airport), complete items “k through o”.

Complete items “l through p” for ALL project types.

a. Identify the relevant Special Fund or Enterprise Fund (e.g. water, sewer, CIP fund)
(only use if needed)**Water (Enterprise) Fund****a.1 Special or Enterprise Fund Budgeted Revenue**

30,014,700.00

a.2 Special or Enterprise Fund Budgeted Expenditures

41,013,800.00

a.3 Special or Enterprise Fund Outstanding Debt

42,235,000.00

a.4 Special Fund Mill Levy (if applicable)

a.5 Special or Enterprise Fund Balance as of December 31st of the previous year

44,961,120.00

b. Identify the relevant Special Fund or Enterprise Fund (e.g. water, sewer, CIP fund)
(only use if needed)

b.1 Special or Enterprise Fund Budgeted Revenue

b.2 Special or Enterprise Fund Budgeted Expenditures

b.3 Special or Enterprise Fund Outstanding Debt

b.4 Special Fund Mill Levy (if applicable)

b.5 Special or Enterprise Fund Balance as of December 31st of the previous year

c. Identify the relevant Special Fund or Enterprise Fund (e.g. water, sewer, CIP fund)
(only use if needed)

c.1 Special or Enterprise Fund Budgeted Revenue

c.2 Special or Enterprise Fund Budgeted Expenditures

c.3 Special or Enterprise Fund Outstanding Debt

c.4 Special Fund Mill Levy (if applicable)

c.5 Special or Enterprise Fund Balance as of December 31st of the previous year**For Water and Sewer Projects Only****Water Tap Fee**

29,214.00

Number of total water taps served by applicant

9,792

Average Water Monthly User Charge

Divide sum of annual (commercial and residential) revenues by 12 and then divide by the number of total taps served. **NOTE: Commercial and Residential Combined**

87,790

Sewer Tap Fee**Number of total sewer taps served by applicant****Average Sewer Monthly Water Charge**

Divide sum of annual (commercial and residential) revenues by 12 and then divide by the number of total taps served. **NOTE: Commercial and Residential Combined**

F. PROJECT BUDGET

List expenditures and sources of revenue for the project. The total expenditures must equal the total sources of revenue.

Expenditures

List Budget Line Items and Costs.

Budget Line Item

(Examples: architect, engineering, construction, equipment items, etc.)

Task 1 - Design Hydrogeology and Engineering**Line Item Cost**

212,713.00

Budget Line Item

Task 2 - Horizontal Well Construction and Development

Line Item Cost

1,018,743.00

Budget Line Item

Task 3 - Pilot Operations, Reporting and Community Workshop (Study)

Line Item Cost

245,135.00

Budget Line Item

Line Item Cost

Budget Line Item

Line Item Cost

Budget Line Item

Line Item Cost

Budget Line Item

Line Item Cost

Budget Line Item

Line Item Cost

Budget Line Item

Line Item Cost

Budget Line Item

Line Item Cost

Sources of Revenue

Dollar for Dollar Cash Match is Required, unless financial circumstance warrants a reduction. List the sources of matching funds and indicate either cash or documentable in-kind contribution

Energy/Mineral Impact Fund Grant Request

785,955.00

Energy/Mineral Impact Fund Loan Request (If applicable)

Source of Revenue/Match

Town of Erie Funding

Cash

785,955.00

In-Kind

If match is not cash, enter dollar amount of in-kind contribution.

Funding Committed

Y

Source of Revenue/Match

Cash

In-Kind

If match is not cash, enter dollar amount of in-kind contribution.

Funding Committed

Y

Source of Revenue/Match

Cash

In-Kind

Funding Committed**Source of Revenue/Match**

Cash

In-Kind

If match is not cash, enter dollar amount of in-kind contribution.

Funding Committed**Source of Revenue/Match**

Cash

In-Kind

If match is not cash, enter dollar amount of in-kind contribution.

Funding Committed**Source of Revenue/Match**

Cash

In-Kind

If match is not cash, enter dollar amount of in-kind contribution.

Funding Committed**Source of Revenue/Match**

Cash

In-Kind

If match is not cash, enter dollar amount of in-kind contribution.

Funding Committed**Source of Revenue/Match****Cash****In-Kind**

If match is not cash, enter dollar amount of in-kind contribution.

Funding Committed**Project Contingency**

1. Please identify the contingency associated with the project budget.
 1. If a contingency has not been identified as part of the budget, please explain why not?
 2. Contingency % of Budget.
 3. Contingency Dollar value

A 20% contingency of \$295,318 was added to the overall project budget.

How recently were the budget and contingency determined

Month/Year

08/01/2019

Additional Line Items

If more budget line items are needed, please upload a PDF of your project budget

Download

Erie Horiz Well - Budget.pdf

G. MEASURABLE OUTCOMES**a. Describe the expected measurable outcomes**

How will the project enhance the livability* of your region, county, city, town or community (e.g. constructing a new water plant will eliminate an unsafe drinking water system and provide safe and reliable drinking water; the construction of a new community center will provide expanded community services, or projects achieving goals regarding energy conservation, community heritage, economic development/diversification, traffic congestion, etc.)?

***(Livability means increasing the value and/or benefit in the areas that are commonly linked in community development such as jobs, housing, transportation, education, emergency mitigation, health and environment)**

(word limit: 4,000 characters)

The Horizontal Well Pilot project will improve the design of future horizontal wells that are critical infrastructure for expanding the Town's water supply. The project will design, construct, and operate a Horizontal Well Pilot facility in 2020 and 2021. This pilot facility will guide the design of up to five (5) additional horizontal wells.

b. Historic structure preservation

Does this project preserve and protect a registered state historic building, facility or structure? If yes, please describe, including year of construction. (word limit: 2,500 characters)

No.

c. Energy efficiency

Will this project implement an energy efficiency/strategy that could result in less carbon footprint or conserve energy use or capitalize on renewable energy technology? If yes, please describe. (word limit: 2,500 characters)

No.

d. Resiliency framework

Will the project increase the community's long-term resilience and ability to anticipate, withstand, and/or rebound from a natural or manmade hazard event? For example, will the project factor in natural design concepts and will construction utilize sustainable materials? If yes, please describe. (word limit: 4,000 characters)

This project will improve the resiliency of the Town's water supply by making it possible for reuse of existing water supplies that are discharged from the Town's system. Water reuse will improve efficiency in water supply development and in water treatment.

H. LOCAL EFFORT



a. Relationship to Community Goals

Is the project identified in the applicant's budget or a jurisdictionally approved plan (e.g. capital improvement plan, equipment replacement plan, comprehensive plan, utility plan, road maintenance and improvement plan or other local or regional strategic management or planning document)? What is its ranking? (word limit: 4,000 characters)

This project relates to Erie's water planning goals, including those set forth in the Non-Potable Water Master Plan and Water Conservation Plan. Although it is not explicitly referenced, the Horizontal Well Pilot Project will be a component of increasing water conservation through water reuse.

b. Why can't this project be funded locally?

(word limit: 2,500 characters)

The Town currently has many ongoing large projects, including the Northern Integrated Supply Project (NISP) and the Windy Gap Project. An award of this grant will reduce the Town's expenses

for the Horizontal Well Project. Without the grant, the Town will have less funds available for other projects. This will result in increased debt levels in the future.

c. Has this project been deferred because of lack of local funding? If so, how long?

(word limit: 2,500 characters)

No, this is a new project.

d. Explain the origin and status of your local cash match.

(Note: Whenever possible, local government cash match on a dollar for dollar match basis is encouraged.) Are the local funds committed or pending? If there are pending funds, when will the status of those funds be determined? (word limit: 2,500 characters)

The local cash match is in the Capital Improvement Budget (Water Fund). The board has already approved the 2020 budget which includes this project.

e. Community partners

What other community entities, organizations, or stakeholders recognize the value of this project and are collaborating with you to achieve increased livability of the community? Please describe how your partners are contributing to achieve the improvement to the livability of the community through this project. If in-kind contributions are included in the project budget, detailed tracking will be required on project monitoring report. (word limit: 2,500 characters)

None.

f. Tax rate, usage charges, or fees

Have the applicant's tax rates, user charges or fees been reviewed recently to address funding for the proposed project?

Yes

f.1 Tax rate or usage charge modifications

If the tax rate, user charges or fees were modified, what was the modification and when did this change occur? (word limit: 2,500 characters)

Currently being reviewed as part of overall budget for current rate study, which is being done by Raftelis Financial Consultants.

g. Has the applicant contacted representatives from local energy or mineral companies to discuss the

(word limit: 2,500 characters)

No.

I. READINESS TO GO

☐

a. When will the project begin

Select one

3-6 months

b. What is the time frame for completion

Select one

9-12 months

c. Is planning or design work a component of this project?

Y

c.1 What additional design work remains?

What percentage of design work is complete? (word count: 2,500 characters)

10% conceptual designs have been completed. 90% design is expected to be complete by April 1, 2020.

c.2 How were project cost estimates determined?

How did the applicant develop project cost estimates? (word count: 2,500 characters)

The project costs represent a Class 5 or better cost estimate. Costs were estimated by contacting construction contractors for soft bids, and/or have been based on recent similar projects.

c.3 Is the project supported by bids, professional estimates or other credible information?

Yes

c.3.i Bids

Please attach a copy of any supporting documents (PDF Document).

Download

c.4 Are any Local, State or Federal permits required before the project can proceed?

If yes, please describe and note the status of permit acquisition (word count: 2,500 characters).

Colorado Division of Water Resource well permits are required and will be applied for in early 2020 when designs are finalized. Other permits will be evaluated during the Task 1 design phase.

J. ENERGY & MINERAL RELATIONSHIP



a. Community energy or mineral impact

Describe how the applicant is, has been, or will be impacted by the development, production, or conversion of energy and mineral resources (word limit: 4,000 characters).

The Town of Erie has been heavily impacted by the development and production of energy and

mineral resources - it has impacted development, residents, roads, and air quality. Many studies have been conducted on the impact of these operations including reports by NOAA on air quality and CDPHE on health effects. Extensive information can be found on the Town's website linked below which has a dedicated page discussing Oil and Gas Operations. <https://erieco.gov/129/Oil-Gas-Operations>

b. Use data

Cite actual use data that documents direct impact as it relates to the need for the project. For example, "heavy truck traffic directly related to energy development activities is impacting County Road X. a traffic count done in May 2015 showed energy related truck traffic increased from 100 trips per day to 300." (word limit: 2,500 characters)

[Please see above response.](#)

K. MANAGEMENT CAPACITY**a. Fund management**

How will you separate and track expenditures, maintain funds and reserves for the capital expenditures and improvements as described in this project? (word limit: 2,500 characters)

[The Town has a separate budget line item for this project, under which they will track all related costs. The Town also has a robust financial accounting system, which can produce additional reports as needed.](#)

b. Project sustainability

Describe the funding plan in place to address the new operating and maintenance expenses generated from the project? (word limit: 2,000 characters)

[Operations will be part of regular water treatment plant operations. Operations and maintenance expenses will be tracked as a separate line item in the annual budget.](#)

c. Expertise

Describe the technical and professional experience/expertise of the person(s) and/or professional firms responsible to manage this project. (word limit: 2,000 characters)

[Leonard Rice Engineers, Inc. \(LRE\) contracted with the Town of Erie to provide engineering services for the Horizontal Well Project. The Town elected to deliver the project using a construction management at risk \(CMAR\) model. A construction contractor will be selected in the first quarter of 2020 using quality-based selection \(QBS\) criteria. The construction contractor will provide pre-construction services, including constructability reviews, developing the construction schedule, identifying discrete construction work packages and developing the project guaranteed maximum price for the Horizontal Well Pilot Project. LRE will develop the final design documents with input from the Town and the contractor.](#)

d. Duplication of services

Does the project duplicate service capacity already established? Is the service inadequate? Has consolidation of services with another provider been considered? (word limit: 2,000 characters)

NA - Town has existing emergency interconnects with Lefthand Water and City of Lafayette. However, neither of these supplies are sufficient to eliminate need for town having its own water supply system.

L. HIGH PERFORMANCE CERTIFICATION (HPCP) PROGRAM COMPLIANCE ☐

Colorado Revised Statutes (C.R.S. 24-30-1305.5) require all new facilities, additions, and renovation projects that meet the following criteria to conform with the High Performance Certification Program (HPCP) policy adopted by the Office of the State Architect (OSA) if:

- The project receives 25% or more of state funds; **and**
- The new facility, addition, or renovation project contains 5,000 or more building gross square feet; **and**
- The building includes an HVAC system; **and**
- In the case of a renovation project, the cost of the renovation exceeds 25% of the current value of the property.

The HPCP requires projects that meet the criteria above to achieve third party verification with the target goal of LEED Gold or Green Globes-Three Globes. Projects are strongly encouraged to meet the Office of the State Architect's (OSA) Sustainable Priorities in addition to the LEED prerequisites. Projects funded through DOLA that meet the above applicability criteria are required to complete the DOLA registration and tracking process. See DOLA's HPCP web page for more information or contact your DOLA regional manager.

In instances where achievement of LEED Gold or Green Globe-Three Globes certification is not achievable, an applicant may request a modification of the HPCP policy or a waiver if certain conditions exist. DOLA staff will work with applicants to identify workable solutions to meet the program's intent to maximize building energy efficiencies.

Note: If this application is for design services for a planned building project that meets the HPCP applicability criteria and the applicant intends to seek state funding for 25% or more of the total project cost, then the design should maximize high performance building certification standards (by completing the HPCP checklist) and build in anticipated project costs, as appropriate.

a. HPCP project details

Is the applicant seeking state funding for 25% or more of the total project cost (including all phases, if applicable)?

(If no, the project does not meet the HPCP requirement and the rest of this section does not need to be completed)

b. HVAC details

Does the building include an HVAC system?

b.1 Type of HVAC system

Please select whether the HVAC is an upgrade or a new system from the following drop down:

c. Project type

Please select the type of construction project

c.1 Square footage in excess of 5,000 square feet

Is the building square footage (new construction and/or renovation) 5,000 SF or more?

c.2 Building square footage

What is the building square footage, indicate whether the square footage is new, renovation, or both.

d. Does the cost of renovation exceed 25% of the current value of the property?

Select from the drop down list.

d.1. What is the current property value?

Determine based on assessed or appraised value. What is the total project cost for the renovations? Please provide both amounts in your response.

e. Does this project meet the HPCP criteria?

If you answered “yes” to questions a, b, c, and d, then your project meets the HPCP applicability criteria. Complete the HPCP registration form and preliminary checklist and upload below. (See DOLA’s HPCP web page for registration and checklist form.)

e.1 HPCP registration form and checklist

If you answered yes above, please upload the HPCP registration and checklist form below.

Download

f. Third party verification

Have you included any additional costs in this grant application for third party verification to comply with the High Performance Certification Program?

f.1 Third party verification cost

If you answered yes above, please specify the estimated cost for third participation verification/certification

f.2 Third party verification resources

Will you need assistance locating resources, third party consultants, or technical assistance for HPCP third party verification requirements, preparing cost estimates, or otherwise

complying with the HPCP?

f.2.i Third party verification resources required

If you answered yes above, please describe the type of resource identification assistance you need.

M. TABOR COMPLIANCE AND ENVIRONMENTAL REVIEW



a. Voter authorization

Does the applicant jurisdiction have voter authorization to receive and expend state grants without regard to TABOR spending limitations?

No

a.1 If yes, please explain

(word limit: 500 characters)

b. State severance funds

If the applicant jurisdiction receives a grant with State Severance funds, will the local government exceed the TABOR limit and force a citizen property tax rebate?

No

b.1 If yes, please explain

(word limit: 500 characters)

c. TABOR refunds

No

c.1 If yes, please explain

d. Has the applicant sought voter approval to keep revenues above fiscal spending limits?

No

d.1 If yes, please explain

(word limit: 500 characters)

N/A

e. Spending limits

Are there any limitations to the voter approved revenues? (e.g., Can revenues only be spent on law enforcement or roads?)

N

e. 1 If yes, please explain

(word limit: 2,500 characters)

f. Enterprise status

If the applicant jurisdiction is classified as an enterprise under TABOR, will acceptance of a state grant affect this status?

N/A

f. 1 Explain

(word limit: 2,500 characters)

N. ENVIRONMENTAL REVIEW☐

Indicate below whether any of the proposed project activities:

a. Will be undertaken in flood hazard areas?

Y

a.1 List flood plain maps/studies reviewed. Describe alternatives considered.

(word limit: 1,000 characters)

Any project components within flood hazard areas are designed to be there.

b. Will affect historical, archaeological, or cultural resources or be in a geological hazard area?

Select from the drop down menu.

N

b.1 If yes, describe alternatives considered and mitigation proposed.

(word limit: 1,000 characters)

c. Address any other public health or safety related concerns not previously identified

Select from the drop down menu

N

c.1 If yes, please explain.

(word limit: 1,000 characters)

O. OFFICIAL BOARD ACTION☐

a. Date of official board action

Enter the date this project was approved for submission by the board

12/10/2019