

FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)
SITE INFORMATION, ENVIRONMENTAL REVIEW, AND CHECKLIST

A. PURPOSE:

Federal agencies are required by law to independently assess the potential environmental impacts resulting from their proposed actions. This form will be used to screen applications for necessary compliance with those laws. It will be used to assess the amount of available information for environmental compliance and the cost burden of environmental compliance relative to the total project cost. It is extremely important that the information provided be in accurate and sufficient detail to permit FEMA to evaluate the environmental conditions and/or features for providing financial assistance to Subapplicants.

Although the information may be obtained from FEMA's own observations, previous environmental studies and/or research must be utilized. Such information is available from the jurisdictional Federal, state and local resource/regulatory agencies responsible for protecting or regulating resources such as wetlands, floodplains, coastal zones, threatened and endangered species, farmland, or properties listed in or considered eligible for listing to the National Register of Historic Places.

This information is designed to obtain an understanding by FEMA of the project site's present environmental condition and the proposed project's elements that may affect the environment. It is important to understand the comprehensive nature of the information requested. Information must be provided for the site and immediate surrounding area that will be directly or indirectly affected by implementation (construction and operation) of the Subapplicant's proposal.

B. PURPOSE AND NEED:

FEMA will provide federal financial assistance to State and Local governments and certain non-profit entities to respond to, recover from or help mitigate disasters by providing financial assistance from the grant programs within its jurisdiction.

C. PROJECT DESCRIPTION:

APPLICATION ID:	DR-4558-0389
PROPOSED PROJECT LOCATION:	Pipeline Road, Arcata, Humboldt, CA, 95521 (ADDRESS, CITY, COUNTY, STATE, ZIP CODE)
LATITUDE/LONGITUDE:	40.90742/-124.0634
PROPOSAL:	HBMWD TRF Power Resiliency Generator Project
SITE SIZE:	81.5 feet x 80 feet, plus approximately 2,328 ft ² driveway and 1800 linear feet of 12" wide trench

D. PROJECT COORDINATION, PERMITS AND APPROVALS:

Will the proposal require the following agency coordination, permits and/or approvals?

	YES	NO
1. CWA Section 404/RHA Section 10	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Clean Water Act Section 401/402	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. EO 11988 Floodplains 8-step Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. EO 11990 Wetlands 8-step Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. CZMA CC/Negative Determination	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Section 7 ESA	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. NHPA Section 106	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. FLPA Farmland Conversion Form AD-1006	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9. CAA General Conformity Determination	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Migratory Bird Treaty Act	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Fish and Wildlife Coordination Act	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. Magnuson-Stevens Fishery & Management Act	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13. Other: _____	<input type="checkbox"/>	<input type="checkbox"/>

E. POTENTIAL ENVIRONMENTAL IMPACT:

Are any of the following land uses or environmental resources located on, or adjacent to the project site, and are directly or indirectly impacted by the proposed project?

Physical Characteristics of site(s) or vicinity:	YES	NO	POSSIBLE	EXHIBITS*
1. Flat, rolling, hilly, steep slopes, mountainous?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Soil type?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Any surface water bodies (streams, saltwater, lakes, ponds, rivers, wetlands) on or near the project area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Will the project require work over, in or adjacent to waters of the U.S.?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Alter existing drainage pattern of the site, alter course of surface waters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Create increased stormwater runoff or otherwise degrade water quality?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Source of collection and disposal of storm water runoff?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Will the proposal alter surface water quality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Affect a sole source aquifer?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Affect a Wild and Scenic River?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Involve construction in the Coastal Zone?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Could the proposal lead to increased erosion by clearing, grading, excavation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Could the proposal cause changes in geological substructures?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Do seismic hazards exist in the area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	YES	NO	POSSIBLE	EXHIBITS*
15. Could the proposal increase mudslides, landslides, ground failure, subsidence or liquefaction?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Located in a non-attainment or maintenance area for criteria air pollutants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Increase emission levels of regulated air pollutants and exceed <i>de minimis</i> standards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18. What types of noise would be created by this project (traffic, construction, operation)? Will the source produce short-term or long-term impacts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19. Affect sensitive receptors (residences, institutions, hospitals, schools within ¼ mile of project area)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20. Will views in the immediate vicinity be altered or obstructed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21. Would the proposal result in an aesthetically negative site open to public view?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Will the proposal produce light or glare?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23. Could light or glare be a safety hazard or interfere with views?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Biological Characteristics:

	YES	NO	POSSIBLE	EXHIBITS*
1. Vegetation type? (Deciduous, coniferous, shrubs, grasses, pasture, cropland, hydrophytic)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Wildlife observed on site or known to exist within immediate vicinity (Birds, mammals, fish)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Potential for endangered or threatened species and/or critical habitat in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4. Result in the deterioration of existing or critical habitat?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Have a substantial adverse effect on any riparian habitat?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Interfere substantially with the movement of any migratory fish?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Located in a migratory flyway or migration route?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Conflict with any local ordinances protecting resources such as tree preservation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Introduce or cause the spread of invasive species during construction and/or operation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Affect any national/state/local wildlife/waterfowl refuges on or adjacent to project area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Land Use and Socioeconomic Characteristics:

	YES	NO	POSSIBLE	EXHIBITS*
1. Have a disproportionate impact on low income or minority populations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Physically divide a community?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Induce substantial population growth?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Alter the present or planned use of an area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	YES	NO	POSSIBLE	EXHIBITS*
5. Displace a substantial number of people, housing or businesses?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Would the proposal affect existing housing?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Convert important farmland?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Be located within two miles of a public airport?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Has any part of the site been classified an environmentally sensitive area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Displace any existing recreational uses?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Historic and Cultural Characteristics:

	YES	NO	POSSIBLE	EXHIBITS*
1. Result in an effect to historic properties on-site or adjacent to the site listed on or eligible for listing on the National Register of Historic Places?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Is the proposed site on or adjacent to tribal lands?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Result in excavation of soil?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Would the proposal alter or destroy prehistoric or historic archeological sites?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Result in an effect to properties designated as National Historic Landmarks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Would the proposal result in an adverse physical or aesthetic affect to a historic property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Anticipated level of effort for Section 106 compliance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Hazardous/Toxic Materials:

	YES	NO	POSSIBLE	EXHIBITS*
1. Does the site presently have known USTs or ASTs?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Is there any evidence of existing USTs, such as vent pipes, fill caps, etc.?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Have UST's ever been located on the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Do the past uses of the site suggest hazardous or toxic materials may be present at or near the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Are there curb cuts, footings, or other evidence of former buildings on site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Does the site or building contain any of the following: <ul style="list-style-type: none"> • PCB electric transformers? • Urea formaldehyde? Friable asbestos? • Lead-based paints? Radioactivity? • Radon? • Soil contamination? 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Is the site on or near an EPA or State Superfund or priority cleanup?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Energy and Utilities:

	YES	NO	POSSIBLE	EXHIBITS*
1. What kinds of energy (electric, natural gas, oil) will be used to meet the project's needs for construction/operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	YES	NO	POSSIBLE	EXHIBITS*
2. Are utilities available to the site? What type (electricity, natural gas, water, garbage, telephone, sanitary sewer)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Public Services and Facilities:

	YES	NO	POSSIBLE	EXHIBITS*
1. Will the project result in an increased need for public services (fire, police, health care, schools)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Would the proposal result in a decrease in parks or open space?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Transportation:

	YES	NO	POSSIBLE	EXHIBITS*
1. Will the project change traffic patterns or volumes in the area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Does the site have access constraints?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Will the project require any new roads or streets, or improvements to existing roads or streets?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Will the proposal result in an increase of vehicular trips per day to the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Will the proposal result in increased hazards to motor vehicles, bicyclists or pedestrians?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Construction Activities:

	YES	NO	POSSIBLE	EXHIBITS*
1. Would the proposal result in the following?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a) increased ambient noise due to equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) degrade local air quality due to dust, equipment exhaust and/or burning debris?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) deteriorate water quality from erosion or pollutant runoff?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) disrupt off-site and local traffic patterns?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Alternatives Considered:

		EXHIBITS*
1. Alternative locations (identify):		<input checked="" type="checkbox"/>
Because the new generator and fuel tank need to be located within the boundary of the existing HBMWD TRF, there were limited options for alternate locations. One other location was considered, just west of the 2-MG Tank. This location required longer electrical conduit runs to the required locations to be powered and therefore, was not selected. See 12. Exh B for location.		
2. Alternative designs (identify):		<input type="checkbox"/>
No design was considered for the alternative location noted above because of the additional cost and disturbance that would be caused by additional conduit run lengths. An alternative for the generator size was considered as discussed in in the Subapplication #13.K.3: The second action Alternative is to provide a new generator that would be sized to only handle the essential backwash pumps and airwash pumps in the event of a power outage at the HBMWD TRF. Although this option would power the		

equipment necessary for the TRF to meet water quality standards of the effluent, for about the same cost, the slightly larger generator proposed will be able to handle the remaining minor loads not currently supported by an emergency generator at the TRF. These minor loads include the duct heaters, which will eliminate the concern of the nPoly tanks freezing up; the sludge pumps, which will eliminate the concern of the sludge tanks overflowing; also power the lighting throughout the facility for operational safety and convenience. Because adding the minor loads to the generator capacity is such a small additional cost to the overall project, this Alternative was not selected.

CEQ Significance Factors (40 CFR 1508.27):

	YES	NO	POSSIBLE	EXHIBITS*
1. Is there anything in the context of the project that would suggest impacts might be significant?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Is the intensity of any of the following factors such that the impacts might be significant?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a) Beneficial and adverse impacts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Human health or safety impacts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Impacts on unique characteristics of the area, such as historic or cultural resources, park lands, prime farmlands, wetlands, floodplains, wild and scenic rivers, or ecologically critical areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Impacts that are likely to be highly controversial?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Impacts that are highly uncertain or involve unique/unknown risks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) The action establishes a precedent for future actions with potentially significant effects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g) Impacts that are reasonably expected to be cumulative?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h) Adverse impacts on districts, sites, highways, structures, or objects listed in or eligible for listing in the National Register of Historic Places, or impacts that may cause loss or destruction of significant scientific, cultural, or historical resources?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i) Adverse impacts on threatened or endangered species or its critical habitat as determined under the Endangered Species Act?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j) The action threatens a violation of Federal, state or local law or requirements imposed for the protection of the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

F. Does the proposal result in FEMA’s ExtraordinaryCircumstances?

I. Greater scope or size than normal for a particular category of action?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
II. High level of public controversy?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
III. Potential to degrade already poor environmental conditions?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
IV. Use of unproven technology with the potential for adverse effect?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
V. Presence of endangered or threatened species or their critical habitat?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

- VI. Presence of archaeological, cultural or historic properties? Yes No
- VII. Presence of hazardous or toxic substances at levels that exceed Federal, state, or local regulations or standards requiring action? Yes No
- VIII. Potential to affect adversely special status areas such as wetlands, coastal zones, wildlife refuges, wilderness areas, wild and scenic rivers or sole source drinking water aquifers? Yes No
- IX. Potential to adversely affect human health and safety? Yes No
- X. Would the project violate federal, state, local laws or tribal law or requirement imposed for the protection of the environment? Yes No
- XI. Potential for significant cumulative impact with other RFFAs? Yes No
- XI. Potential for significant cumulative impact with other RFFAs? Yes No
- If yes, identify: _____

G. Is the proposed project for HMA funding part of a larger proposal that would subject the entire project to Federal environmental review? Yes No

H. Does the application contain measures to avoid, reduce, minimize, or compensate potential environmental impacts? Yes No

If yes, describe: The staging area is contained to previously paved area and the project area predominantly previously cleared, graded and seeded area to avoid unnecessary disruption to the natural environment. Construction is limited to weekdays, Monday - Friday, from 8am to 5pm to limit impacts on ambient noise. Additionally, a bird survey will be accomplished before the project to ensure proper distance is maintained from nesting birds.

I. Were mitigation measures included in the proposal's budget? Yes No

J. What is the potential EHP cost of compliance relative to the requested federal share (cost of compliance refers to FEMA or FEMA contractor preparation of compliance activities not cost for mitigation measures that the Subapplicant would be responsible for):

- High (>50% of requested Federal share)
- Medium (25-50% of requested Federal share)
- Low (<25% of requested Federal share)

K. What is the anticipated Environmental compliance costs associated with the overall project?

- High (>50% of requested Federal share)
- Medium (25-50% of requested Federal share)

Low (<25% of requested Federal share)
Not enough information to determine

*** IF APPLICABLE, ADDITIONAL INSTRUCTIONS FOR NARRATIVE RESPONSES AND EXHIBITS**

1. **Floodplains** – Provide FEMA FIRM Map with site location clearly marked.
2. **Wetlands** – If the primary site alternative and/or its practicable alternative require a Section 10 of the Rivers and Harbors Act or a CWA Section 404 permit. Provide status of USACE permit receipt. Attach NWI wetlands map, as necessary.
3. **Viewshed** – If the proposed project is located in or adjacent to a residential or historic district, perform and provide a Visual Impact Assessment.
4. **Existing habitat** – Identify and describe any existing, observed in the field, or known or expected to exist flora and fauna species at the project site and immediately surrounding the site.
5. **Endangered/threatened species and/or critical habitat** – Contact local Ecological Services Field Office of the U.S. Fish and Wildlife Service (FWS) and obtain information and listing of any E/T **known to exist at the site or in the immediate vicinity.**
6. **Migratory Flyway or migration barrier** – If the proposed project is new construction or extension of an existing tower of 30’ in height or more complete Tower Site Evaluation Form.
7. **Invasive Species** – Provide information about Subapplicant’s plans for re-vegetation and avoidance of spreading invasive species during construction.
8. **Minority of low-income populations** – If the proposed project will impact minority and low- income populations as identified in Executive Order 12898, perform evaluation in accordance with EPA guidance on performing Environmental Justice Analysis.
9. **Farmland** – If alternative would convert or impact important farmland, complete and submit NRCS Form AD 1006 to the Natural Resources Conservation Service for rating. Attached completed and signed form (by NRCS).
10. **Historic and Cultural Characteristics** – Identify any listed, eligible or potentially eligible historic/archaeological resources the APE. Provide CHRIS, data sheets or other sources obtained from State Historic Preservation Officers used to identify such properties.
11. **Hazardous Substances** – Provide a description of any hazardous, toxic materials found at the site.
12. **Roadway and Access** – Provide description of what, where, how, length, width, depth, material, permanent or temporary and drawings including site plan and cross sectional drawing. If roadway is temporary, how will fill material (If CWA fill permit required, see #2 above) or roadway surfacing be removed and site restored.
13. **Alternatives Considered** – Provide a description and a justification for elimination of other proposed project locations and designs considered.

PREPARED BY: Hannah Stewart, PE

TITLE: Project Engineer

TELEPHONE: 530-691-5785

DATE: March 4, 2021