Appendix G – Environmental Considerations Summary

DOE’s decision whether and how to distribute federal funds under this FOA is subject to the National Environmental Policy Act (NEPA) (42 U.S.C. 4321, *et seq.)*. Your responses will assist DOE in determining the appropriate level of NEPA review (if your proposal is selected) and in preparing an environmental assessment (EA) or environmental impact statement (EIS), if necessary. While not all information may be available at the proposal stage, please provide as much detail and information as is currently available. Consultation with experts or advisors in your organization to assist with your responses is highly recommended.

1. **Please provide a brief summary of the proposed project.** *Describe proposed activities (not goals and objectives) and specify if this project is part of a larger project or connected to another project.*
2. **Is there ongoing or anticipated federal government involvement in any aspect of this project (e.g., funding, permitting, technical assistance, project located on federally administered land)?** *If “yes,” please list the agency and describe the nature of the involvement.*
3. **Is the project fully defined (i.e., all sites and activities are known)?** *If “no”, please describe the sites and/or activities/tasks that are yet to be defined.*
4. **Complete the table below for each location where proposed project activities would take place:**

|  |  |  |  |
| --- | --- | --- | --- |
| Proposed location (physical address or coordinates)  | Setting of the proposed location (e.g., urban, industrial, suburban, agricultural, university campus, manufacturing facility, etc.) and the current condition or use of the site  | General description of the proposed activities  | Land administration (e.g., federal [specify BLM, USFS, etc.], Tribal, state, local, private) |
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1. **Attach a map showing the location(s) of the proposed project, and a site layout map showing the proposed facilities and associated infrastructure.** *(A GIS shapefile is preferrable, if available.)*

**Describe new facilities to be constructed, any modifications of existing facilities, and any new infrastructure or facilities necessary for the construction or operation of the proposed project.** *(e.g., access roads, laydown areas, off-site parking areas, railroad links, docks, water outfalls and intakes, pipelines, electrical transmission, waste treatment facilities, etc.)*

**Identify and describe any existing, modifications to, or new permits, licenses, or authorizations that would be required to perform project activities.***(e.g., environmental permits, operating permits, or drilling permits)*

**Provide a brief description of the existing environmental burdens at the proposed project location(s) and surrounding areas, including those contributed to or exacerbated by existing facilities the H2Hub will leverage or modify.** *Existing environmental burdens can be identified using available tools, such as DOE’s Energy Justice Dashboard (beta) (*[*https://www.energy.gov/diversity/energy-justice-dashboard-beta*](https://www.energy.gov/diversity/energy-justice-dashboard-beta)*) or the U.S. Environmental Protection Agency’s EJSCREEN (*[*https://www.epa.gov/ejscreen*](https://www.epa.gov/ejscreen)*).*

1. **Would any of the following have the potential to be impacted (directly or indirectly) by the proposed project?** *If “yes”, provide a detailed description of: (1) the resources that could be affected, and (2) how project activities may affect those resources (including potential direct and indirect [visual, noise, etc.] impacts).*
2. Tribal lands or resources of Tribal interest and/or sensitivity
3. Environmental Justice (EJ) Populations *(EJ populations include minority, low-income, and Tribal populations)*
4. Historic, archeological, or cultural resources *(includes listed and eligible resources over 50 years old or of cultural significance)*
5. Areas having a special designation *(e.g., federal and state designated wilderness areas, national parks, national natural landmarks, wild and scenic rivers, state and federal wildlife refuges, and marine sanctuaries)*
6. Threatened or endangered species *(whether proposed or listed by state or Federal governments)*, including their habitat
7. Land resources *(e.g., prime farmland, unique farmland, or other farmland of statewide or local importance, tundra, rainforests)*
8. Floodplains
9. Wetlands
10. Air quality *(indoor and/or outdoor)*
11. *Greenhouse gas emissions*
12. Water quality *(surface and/or ground water and/or special sources of water including sole source aquifers)*
13. Ocean resources *(e.g., coral reefs)*
14. Coastal zones
15. Marine mammals or essential fish habitat
16. Land use
17. Socioeconomic conditions
18. Sensitive receptors *(e.g., hospitals, schools, daycare facilities, elderly housing)*
19. Navigable Airspace
20. Transportation infrastructure
21. **Please describe:**
22. any coordination or discussions that have been initiated or the plan to coordinate with state and/or federal agencies *(e.g., State Historic Preservation Office, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Nuclear Regulatory Commission, etc.)*
23. any coordination or discussions that have been initiated with any Tribal governments
24. any issues that would generate public controversy regarding proposed project
25. any studies, reviews, and/or plans that have been completed for the proposed project *(e.g., environmental site assessments, waste management plans, health and safety plans, cultural resource surveys, identification of prime or unique farmland, wildlife surveys, etc.)*
26. any environmental considerations and/or mitigation strategies that have been incorporated into the proposed project *(e.g., measures to reduce and/or avoid greenhouse gas emissions, and/or impacts to cultural resources, historic properties, state or federally protected species, wetlands, floodplains, traffic, ambient noise, etc.)*
27. any discussions with affected communities