**ADVANCED RESEARCH PROJECTS AGENCY – ENERGY (ARPA-E)**

**ENVIRONMENTAL IMPACT QUESTIONNAIRE (EIQ)**

* The Lead Organization for the project must complete this form for project activities at all locations (including laboratory and field test sites) performed by the Lead Organization and its subrecipients/team members/collaborators, regardless of whether the activities are funded with federal funds, private funds, or at no cost.
* Complete this form in accordance with the *Environmental Impact Questionnaire (EIQ) Instructions.*
* **By submitting this EIQ to ARPA-E, you certify that: (1) the information provided herein is accurate and complete; (2) you are authorized to submit this questionnaire on behalf of the project team; and (3) you understand any false, misleading, or withheld information may be used by ARPA-E as basis for termination of award negotiations or pursuing available remedies under 2 C.F.R. § 200.338.**

**SECTION I. PROJECT INFORMATION**

|  |  |
| --- | --- |
| **Application Control Number:** | **Lead Organization:** |
| **Name(s) of All Organizations Performing Project Activities** | |
|  | |
| **Project Location(s) including laboratory and field test sites** | |
|  | |
| **Principal Investigator (PI):** | **Email & Phone Number:** |

**SECTION II. PROJECT EVALUATION**

Is the proposed project limited exclusively to [intellectual, academic, or analytical activities](http://energy.gov/nepa/categorical-exclusion-determinations-a9) (e.g., computer modeling or paper studies) that do not involve physical experiments, prototypes, pilot-scale, demonstration projects, or field tests?

|  |  |
| --- | --- |
| **YES**  *EIQ is complete. Verify that information provided in Section I is correct and submit form.* | **NO**  *EIQ is incomplete. Complete the remainder of Section II below.* |

**1. PUBLIC HEALTH AND SAFETY**

|  |  |  |
| --- | --- | --- |
|  | **YES** | **NO** |
| **1a.** Does the proposed project pose any special physical hazards or health risks to the public or project workers? **If YES, review the EIQ Instructions for this question and provide the requested information here:** |  |  |
| **1b.** Will all proposed project work be performed in accordance with location-specific and/or facility-specific environment, health, and safety programs and procedures? **If NO, review the EIQ Instructions for this question and provide the requested information here:** |  |  |

**2. NATURAL, HISTORIC, AND CULTURAL RESOURCES**

|  |  |  |
| --- | --- | --- |
| **If you checked “YES” to any of the questions below, review the EIQ Instructions for each question and provide the requested information in the gray text boxes provided.** | **YES** | **NO** |
| **2a.** Will the proposed project occur outdoors or have an outdoor component? |  |  |
| **2b.** Will the proposed project potentially affect, directly or indirectly, any federal or state-listed endangered, threatened, or candidate species or designated critical habitat, including species protected by individual statute (e.g., Bald and Golden Eagle Treaty Act, Migratory Bird Treaty Act, Marine Mammal Protection Act, Magnuson-Stevens Fishery Conservation and Management Act [Essential Fish Habitat])? |  |  |
| **2c.** Will the proposed project have potential to adversely affect, directly or indirectly, environmentally sensitive resources, including but not limited to park lands, prime farmlands, wild and scenic rivers, ecologically critical areas (e.g., coral reefs, geologic resources, or minerals)? |  |  |
| **2d.** Will the proposed project have potential to adversely affect, directly or indirectly, any water resources (e.g., wetlands; floodplains; alteration of drainage patterns; stream flows; special sources of water such as sole-source aquifers, coastal zones, wellhead protection areas; groundwater; surface water; or public water supply)? |  |  |
| **2e.** Will the proposed project cause loss or destruction of cultural or historical resources (e.g., districts, sites, structures, highways, or objects) listed in or eligible for listing on the National Register of Historic Places? |  |  |

**3. USE AND DISPOSAL OF MATERIALS**

|  |  |  |  |
| --- | --- | --- | --- |
| **If you checked “NO” to any of the materials below, review the EIQ Instructions for each material and provide the requested information in the gray text boxes provided.**  **If the proposed project involves generation, use, storage, transportation, and/or disposal of the materials listed below, will they be managed in compliance with facility-specific environment, safety, and health requirements, any applicable permits, and federal, state, and local requirements?** | **YES** | **NO** | **N/A**  Check this box only if the project will not involve an identified material. |
|  |  |
| **3a.** Toxic or hazardous materials/chemicals, including those which, because of their quantity, concentration, or physical, chemical, or infectious characteristics, may increase the risk of mortality or pose a substantial threat to human health or the environment when improperly stored, transported, disposed of, or otherwise managed |  |  |  |
| **3b.** Pesticides |  |  |  |
| **3c.** Radiological materials, including radioisotopes |  |  |  |
| **3d.** Nanoscale materials or nanoparticles |  |  |  |
| **3e.** Recombinant DNA or genetically engineered organisms |  |  |  |

**4. AIR EMISSIONS**

|  |  |  |
| --- | --- | --- |
| **If you checked “YES” to any of the questions below, review the EIQ Instructions for each question and provide the requested information in the gray text boxes provided.** | **YES** | **NO** |
| **4a.** Will the proposed project result in the emission of any air pollutant, such as greenhouse gases, particulate matter, and airborne pollutants, *excluding* de minimis emissions (minimal air emissions that do not have significant impacts to air quality, such as evaporations from organic solvents being captured by fume hoods)? |  |  |
| **4b.** Will any ozone-depleting substances be used as products or contained in equipment for the proposed project? |  |  |

**5. OTHER CONSIDERATIONS**

|  |  |  |
| --- | --- | --- |
| **If you checked “YES” to any of the questions below, review the EIQ Instructions for each question and provide the requested information in the gray text boxes provided.** | **YES** | **NO** |
| **5a.** Will the proposed project involve new construction or physical modification of existing facilities? |  |  |
| **5b.** Will the proposed project include any clearing or excavation (e.g., uncovering or disturbance of soil, sediments, or land subsurfaces) by digging, grading, or blasting? |  |  |
| **5c.** Is there potential for public controversy regarding the effects of the proposed project on the quality of the human environment? |  |  |
| **5d.** Are the potential effects of the proposed project on the human environment highly uncertain or do the effects of the project involve unique or unknown risks to the human environment? **Note**: Do not include technical risks associated with factors such as design, engineering, fabrication, and testing. |  |  |
| **5e.** Will the proposed project include human-subject research? (as defined under applicable regulations, e.g., including, but not limited to, collecting data through intervention or interaction with an individual, or manipulating the individual’s environment for research purposes) **If YES, review the EIQ Instructions for this question and provide the requested information here:** |  |  |
|  | | |

**6. CONSISTENCY WITH FEDERAL, STATE, TRIBAL, REGIONAL, & LOCAL REQUIREMENTS**

|  |  |  |
| --- | --- | --- |
|  | **YES** | **NO** |
| **6a.** Will each team member conduct all proposed project activities in compliance with applicable facility-specific environment, safety, and health requirements, any applicable permits, and federal, state, tribal, regional, and local requirements, including any regulatory reviews or permitting (e.g., electrical installation permits, air emission permits, hazardous waste disposal permits, water use/quality permits, Animal and Plant Health Inspection Service regulations, NIH Guidelines for Research Involving Recombinant DNA Molecules)? **If NO, review the EIQ Instructions for this question and provide the requested information here:** |  |  |
| **6b.** Will the proposed project require new permits or modifications to existing permits? **If YES, review the EIQ Instructions for this question and provide the requested information here:** |  |  |
| **6c.** Has the proposed project been or will the project be reviewed by another federal agency under NEPA (e.g., such as part of another agency’s additional financial assistance or permit application process)? **If YES, review the EIQ Instructions for this question and provide the requested information here:** |  |  |