



ARPA-E ENVIRONMENTAL QUESTIONNAIRE

Control Number:

Lead Organization:

Point of Contact:

Project Title:

The Department of Energy (DOE) National Environmental Policy Act (NEPA) Implementing Procedures (10 CFR Part 1021) require consideration of the potential environmental impacts of proposed actions before decisions are made. As an initial step, DOE must determine the appropriate level of review, i.e., whether a proposed action requires preparation of an environmental impact statement (EIS) or environmental assessment (EA) or the proposed action fits within one of DOE's categorical exclusions. For example, projects that involve only computer modeling or bench-scale research within existing facilities often fit within DOE's existing categorical exclusions, and thus, preparation of an EA or EIS is not required. To provide DOE with the information necessary to make this determination, this questionnaire must be completed by the applicant for each project proposed for funding.

Indicate (X) "Yes" or "No" for each item below

Yes	No		
		1	Is the proposal limited to activities such as literature searches and information gathering, data analysis, computer modeling, analytical reviews, conceptual design, feasibility studies, document preparation, data dissemination, and paper studies? An answer of "yes" would indicate that the proposal does not involve any physical experiments, demonstration projects, or similar activities. (If yes, then skip the remaining questions.)
		2	Would the proposed project (a) be limited to small-scale (including bench- or lab-scale) research, demonstration, or pilot projects within existing facilities; and (b) NOT involve a major change in facilities' missions and operations, land use planning, or new/modified regulatory/operating permit requirements?
<u>If you answered "yes" to questions 1 or 2, then skip the remaining questions.</u>			
		3	Would the proposed project involve new construction or expansion or modification of an existing facility?
		4	Would the project involve the use of radioactive materials; other hazardous or toxic materials; or recombinant DNA, new microorganisms, or similar technology?
		5a	Would the proposed project involve additional chemical storage or use; new sources of air emissions, liquid effluents; or solid or liquid non-sanitary waste? If yes, answer 5b.
		5b	If the answer to 5a is yes, would the changes involve new/modified regulatory/operating permit requirements or additional waste handling capabilities?
		6	Would the proposed project threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, including requirements of DOE and/or Executive Orders?

	7	Does the proposed project have the possibility to adversely affect environmentally sensitive resources including, but are not limited to:
	7a	Property (e.g., sites, buildings, structures, objects) of historic, archeological, or architectural significance designated by Federal, state, or local governments or property eligible for listing on the National Register of Historic Places?
	7b	Federally-listed threatened or endangered species or their habitat (including critical habitat), Federally-proposed or candidate species or their habitat, or state-listed endangered or threatened species or their habitat, or essential fish habitat?
	7c	Wetlands regulated under the Clean Water Act (33 U.S.C. 1344) or floodplains?
	7d	Areas having a special designation such as Federally- and state-designated wilderness areas, national parks, national natural landmarks, wild and scenic rivers, state and Federal wildlife refuges, and marine sanctuaries?
	7e	Prime agricultural lands?
	7f	Special sources of water (such as sole-source aquifers, wellhead protection areas, and other water sources that are vital in a region)?
	7g	Tundra, coral reefs, or rain forests?
	8	Would the proposed project have the possibility for a disproportionately high and adverse effect on low income or minority populations? (Executive Order 12898)
	9	Would the proposed project have the possibility to limit access to, or ceremonial use of, Indian sacred sites on Federal lands by Indian religious practitioners or adversely affect the physical integrity of such sacred sites? (Executive Order 13007)
	10	Is there scientific controversy about the environmental effects of the proposed project, or the potential for highly uncertain environmental effects or environmental effects involving unique or unknown risks?
	11	Would the proposed project have a direct relationship to other actions with individually insignificant but cumulatively significant environmental effects??
	12	Would the proposed project have significant adverse effects on public health or safety?
	13	Does the proposed project have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks?
	14	Could the proposed project have a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects?
	15	Could the proposed project have the possibility of violating a Federal law, or a State, local, or tribal law or requirement imposed for the protection of the environment?
	16	Could the proposed project have the possibility to significantly contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area or actions that may promote the introduction, growth, or expansion of the range of such species (Federal Noxious Weed Control Act and Executive Order 13112)?

If you answered “yes” to any of the questions from 3 through 16, please provide a brief explanation as to why you answered “yes” on the following page.

If “yes” is selected on any question from 3 to 16, please provide a brief (250 words or less) summary explaining your response.

Principal Investigator Signature: _____ Date: _____

Name (printed): _____