

EmPower Louisiana

LOUISIANA DEPARTMENT OF NATURAL RESOURCES

American Recovery and Reinvestment Act of 2009



RENEWABLE ENERGY GRANT PROGRAM

Application Forms

SUBMITTAL DEADLINE

4:00 p.m. CST

May 14, 2010

EmPower Louisiana – Renewable Energy Grant Program
4171 Essen Lane
Baton Rouge, LA 70809



FORM A - APPLICATION SUMMARY PAGE

Applicant Information

Applicant Organization Name:	
DUNS Number:	
FEIN Number:	
Mailing Address:	
City:	
Zip Code + 4:	

Contact Name:	
Title of Contact:	
Email Address:	
Telephone Number:	
Fax Number:	
Funding Requested:	

Project Information

Project Title:	
Proposed Start Date:	
Planned Completion Date:	

Natural Gas Utility:	
Electric Utility:	
Project Site Address:	
City:	
Zip Code + 4:	

Project Category

 Innovative Comercial Technologies

 Conventional Comercial Technologies

Project Type

<input type="checkbox"/>	Solar Thermal
<input type="checkbox"/>	Solar Photovoltaic
<input type="checkbox"/>	Geothermal
<input type="checkbox"/>	Combined Heat and Power
<input type="checkbox"/>	Biogas

<input type="checkbox"/>	Wind Energy
<input type="checkbox"/>	Biomass
<input type="checkbox"/>	Hydropower Energy
<input type="checkbox"/>	Waste Heat Recovery
<input type="checkbox"/>	Other: _____

Reserved for Louisiana Department of Natural Resources Use

Date Received	Time Received	Proposal Number Assigned

FORM A - APPLICATION SUMMARY PAGE

Project Information (continued)

Entity Type

<input type="checkbox"/>	Private Business	<input type="checkbox"/>	K-12 School
<input type="checkbox"/>	Not for Profit	<input type="checkbox"/>	State Agency
<input type="checkbox"/>	Local Government	<input type="checkbox"/>	University, College
<input type="checkbox"/>	Other (please list)		

Brief Project Description:

Metrics Activity

Jobs Created/Retained:	<input type="text"/>	FTE	GHG Emissions Reduced:	<input type="text"/>	CO ₂ e
Annual Energy Generation:	<input type="text"/>	k-Wh	Cost Effectiveness:	<input type="text"/>	MMBtu/\$1000

Financial Information

	Amount (\$)	Percent
Funding Requested	<input type="text"/>	<input type="text"/>
Proposed Funds Leveraged	<input type="text"/>	<input type="text"/>
Total Project Cost	<input type="text"/>	100%

Signature

I hereby certify that I am authorized to submit this application and that the information presented in this application is true and accurate. In addition, I agree to abide by all the terms and conditions described in the Louisiana Department of Natural Resources "EmPower Louisiana - Renewable Energy Grant Program", application forms, and all supporting documents.

_____	_____	_____
Name	Signature	Date

FORM B - PROJECT BUDGET

Budget Summary

Budget Item	(A) Funding Requested (\$)	(B) Proposed Funds Leveraged (\$)	(C) = (A) + (B) Total Costs (\$)	Percentage (%)
Equipment				
Engineering/Design	N/A			
Site Preparation	N/A			
Installation				
Monitoring Systems				
Other (please explain below)				
Other (please explain below)				
Total				100%

Other Budget Items:

--

Detailed Budget

A. Equipment/Materials: List all items of equipment to be purchased valued greater than \$100.

Equipment/Material	Quantity	Unit Cost (\$)	Funding Requested (\$)	Proposed Funds Leveraged (\$)	Total (\$)
Total					

FORM B - PROJECT BUDGET

Detailed Budget (continued)

B. Direct Labor: List all applicable costs for design, construction, or installation.

Title/Job Classification	Number of Hours	Billing Rate (\$/hr)	Total Cost (\$)	Funding Requested (\$)
Total				

Leveraged Funds

List the sources of funding that will be leveraged for this project, including funding contributed by financial partners and other public funds. Identify the date when the funds were received by the Applicant.

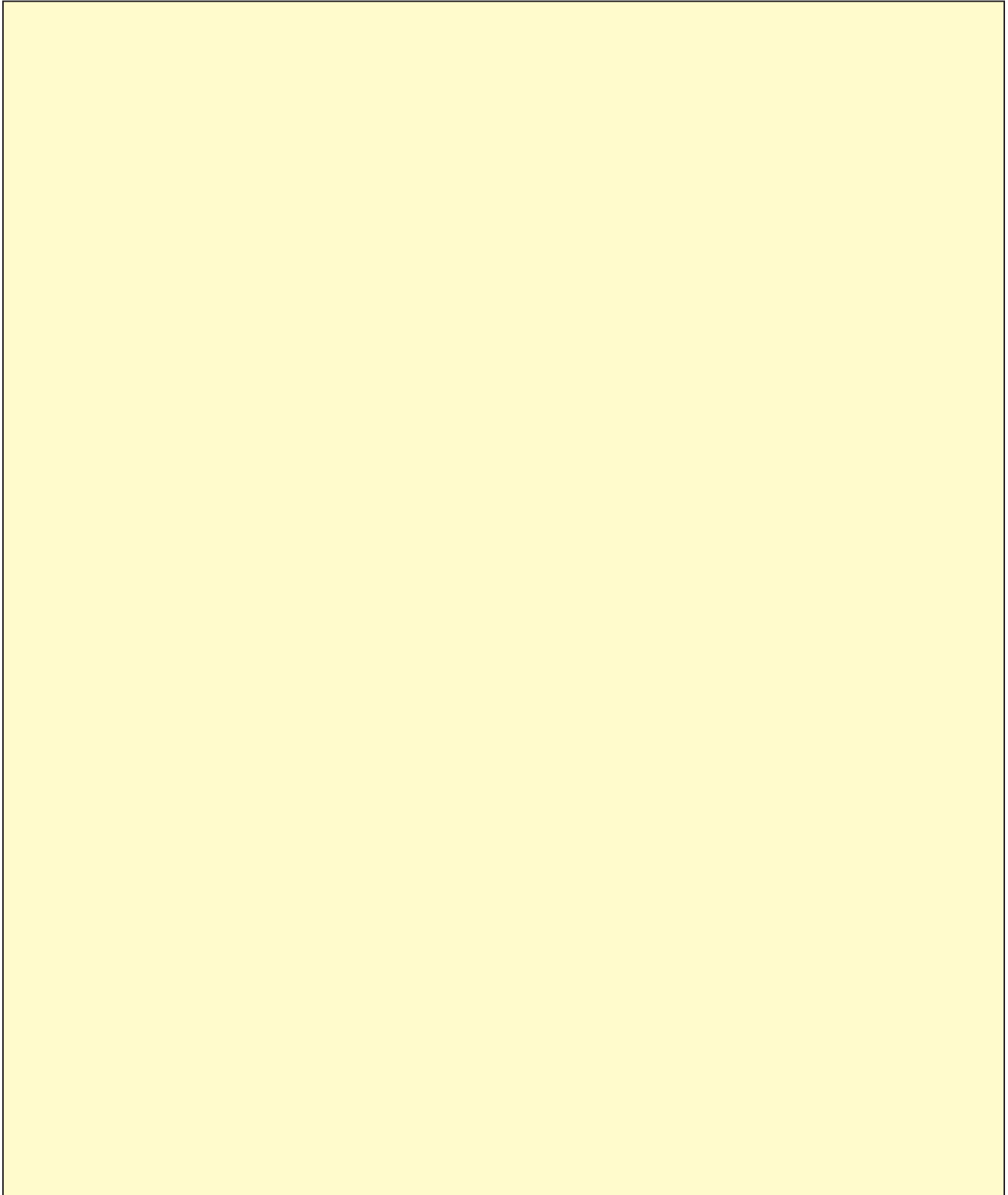
The Applicant must provide letters from each financial partner or funding entity indicating the amount of their support and the project commencement date expected for their partnership. In the event of funding by private foundations or public sources, if such a letter is not yet available, indicate the anticipated source and provide supporting or guidelines for the anticipated source.

Source	Date of Award	Total Funds (\$)
Total		

FORM C - WASTE STREAM

Waste Stream Description

Indicate if the proposed project will generate a waste stream. For activities that will generate a waste stream, describe the waste and your methodology for waste handling and disposal.



FORM D - NATIONAL ENVIRONMENTAL POLICY ACT

Applicability of NEPA to the Proposed Project

The proposed project is categorically excluded from NEPA because it falls within the following category and does not involve “extraordinary circumstances” within the meaning of 10 C.F.R. Section 1021.410:

Development, implementation, and installation of onsite renewable energy technology that generates electricity from renewable resources, provided that projects are limited to:

- Solar Electricity/Photovoltaic - appropriately sized system or unit on existing rooftops and parking shade structures; or a 60 KW system or smaller unit installed on the ground within the boundaries of an existing facility.
- Wind Turbine - 20 KW or smaller.
- Solar Thermal - system must be 20 KW or smaller.
- Solar Thermal Hot Water - appropriately sized for residences or small commercial buildings.
- Ground Source Heat Pump - 5.5 tons of capacity or smaller, horizontal/vertical, ground, closed-loop system.
- Combined Heat and Power System - boilers sized appropriately for the buildings in which they are located.
- Biomass Thermal - 3 MMBTUs per hour or smaller system with appropriate Best Available Control Technologies (BACT) installed and operated.

The proposed project falls within the categories listed above but may involve “extraordinary circumstances” within the meaning of 10 C.F.R Section 1021.410, for the following reason(s):

Form E - EF-1 Environmental Questionnaire has been completed.

The proposed project is not categorically excluded, for the following reason(s):

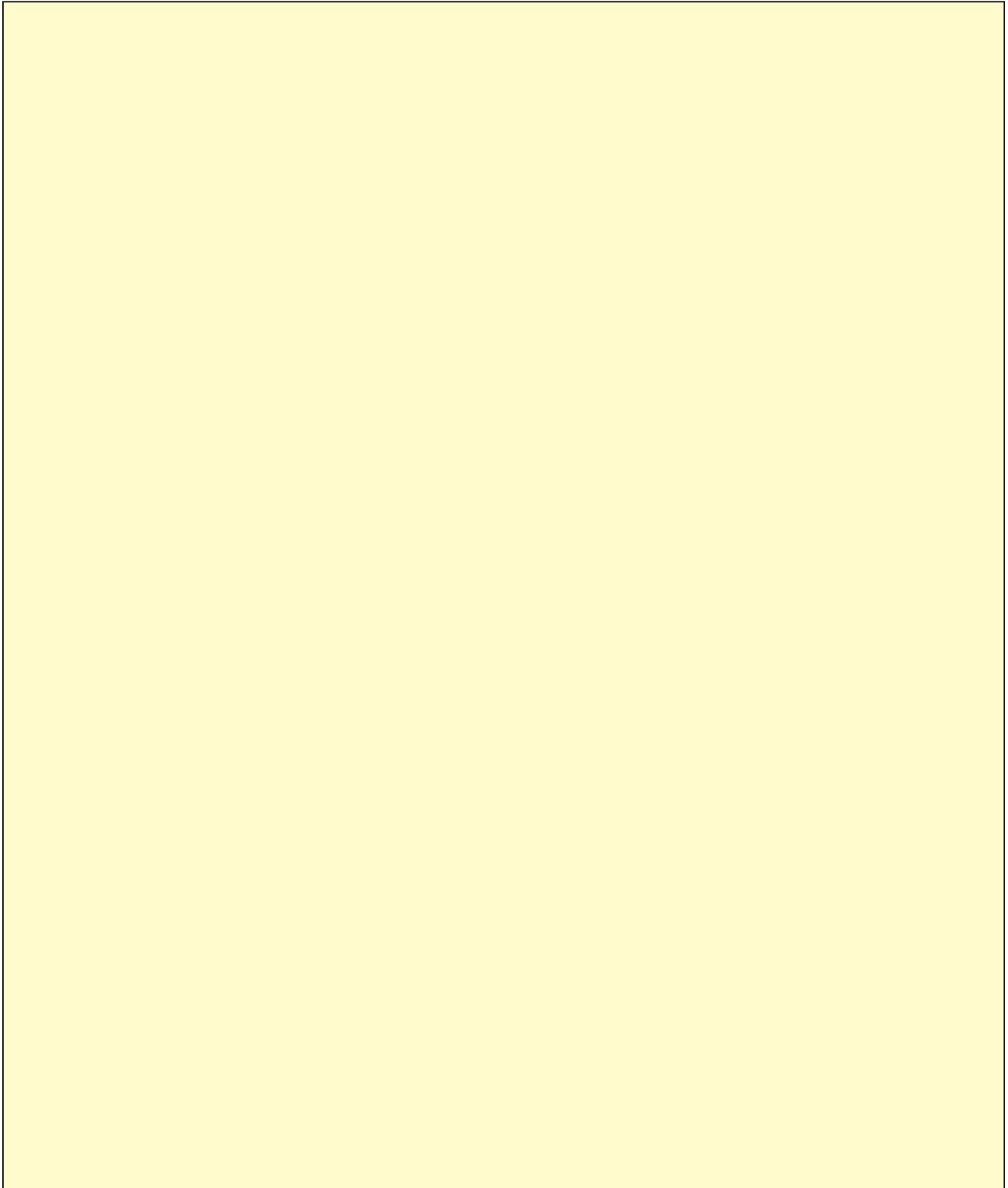
Form E - EF-1 Environmental Questionnaire has been completed.

For more information regarding NEPA see the Department of Energy (DOE) NEPA website: <http://www.gc.energy.gov/NEPA/>

FORM D - NATIONAL ENVIRONMENTAL POLICY ACT

NEPA Review

Indicate if any activities have already been conducted that may expedite a NEPA review for the proposed project, including any environmental assessments (EA) or environmental impact statements (EIS) that have been prepared or any other type of studies.



FORM E - EF-1 ENVIRONMENTAL QUESTIONNAIRE

NETL F 451.1-SEP
 (3/2009) OPI=320
 (Previous Editions Obsolete)

U.S. DEPARTMENT OF ENERGY
ENVIRONMENTAL QUESTIONNAIRE

I. BACKGROUND

The Department of Energy (DOE) National Environmental Policy Act (NEPA) Implementing Procedures (10 CFR 1021) require careful consideration of the potential environmental consequences of all proposed actions during the early planning stages of a project or activity. DOE must determine at the earliest possible time whether such actions will require either an Environmental Assessment or an Environmental Impact Statement, or whether they qualify for a Categorical Exclusion. To comply with these requirements, an Environmental Questionnaire must be completed for each proposed action to provide DOE with the information necessary to determine the appropriate level of NEPA review.

II. INSTRUCTIONS

Separate copies of the Environmental Questionnaire should be completed by the principal proposer and appropriate proposer’s subcontractor. In addition, if the proposed project includes activities at different locations, an independent questionnaire should be prepared for each location. Supporting information can be provided as attachments.

In completing this Questionnaire, the proposer is requested to provide specific information and quantities, when applicable, regarding air emissions, wastewater discharges, solid wastes, etc., to facilitate the necessary review. The proposer should identify the location of the project and specifically describe the activities that would occur at that location. In addition, the proposer will be required to submit an official copy of the project’s statement of work (SOW) or statement of project objective (SOPO) that will be used in the contract/agreement between the proposer and DOE.

III. QUESTIONNAIRE

A. PROJECT SUMMARY

1. Solicitation /Project Number:	
2. Proposer:	
3. Principal Investigator:	
Telephone Number:	
4. Project Title:	
5. Duration:	
6. Location(s) of Performance (City/Township, County, State):	

7. Identify and select checkbox with the predominant project work activities under Group A-7b or A-7c

Group A-7b

Work or project activities does NOT involve new building/facilities construction and site preparation activities. This work typically involves routine operation, modification, and retrofit of existing utility and transportation infrastructure, laboratories, commercial buildings/properties, offices and homes, test facilities, factories/power plants, vehicles test stands and components, refueling facilities, greenspace infrastructure, or other existing facilities.

Group A-7c

Work or project activities typically involves major building or facility construction, site preparation; the installation, replacement, or major modifications of energy system prototypes and infrastructure, access right-of-ways and roads; utility, greenspace, and transportation infrastructure, vehicle test facilities; commercial buildings/properties, fuel refinery/mixing facilities, factories/power plants; and other types of energy efficiency/conservation related systems, structures, and facilities. This work can require new or modified regulatory permits, environmental sampling and monitoring requirements, master planning, public involvement, and environmental impact review

FORM E - EF-1 ENVIRONMENTAL QUESTIONNAIRE

U.S. DEPARTMENT OF ENERGY

Other types of work or project activities not listed. (please describe):

[Yellow response area]

8. Summarize the objectives of the proposed work. List activities planned at the location as covered by this Environmental Questionnaire.

[Yellow response area]

9. List all other locations where proposed work or project would be performed by project's proposer and subcontractors.

[Yellow response area]

10. Identify major project operation related materials and waste that would be used, consumed, and produced by this project or activity.

[Yellow response area]

11. Provide a brief description of the project location (physical location, surrounding area, adjacent structures).

[Yellow response area]

12. Attach a site plan or topographic map of the project work area.

B. ENVIRONMENTAL IMPACTS

This section is designed to obtain information for objectively assessing the environmental impacts of a proposed project. NEPA procedures require evaluations of possible effects (including land use, energy resource use, natural, historic and cultural resources, and pollutants) from proposed projects on the environment.

1. Land Use

a. Characterize present land use where the proposed project would be located.

- Urban Industrial Commercial Agricultural
- Suburban Rural Residential Research Facilities
- Forest University Campus Other

b. Describe how land use would be affected by planned construction and project activities.

No construction would be anticipated for this project.

[Yellow response area]

c. Describe any plans to reclaim/replant areas that would be affected by the proposed project.

No land areas would be affected.

[Yellow response area]

d. Would the proposed project affect any unique or unusual landforms (e.g., cliffs, waterfalls, etc.)?

No Yes (describe)

[Yellow response area]

e. Would the proposed project be located in or near a national park or wilderness area?

No Yes (describe)

[Yellow response area]

*If project work activities falls under item A-7b; then proceed directly to question B.6 (Atmospheric Conditions/Air Quality) and continue to fill out questionnaire.
If project work falls under item A-7c; then proceed directly below to question B.2 (Construction Activities and/or Operations) and continue to fill out questionnaire.*

FORM E - EF-1 ENVIRONMENTAL QUESTIONNAIRE**U.S. DEPARTMENT OF ENERGY****2. Construction Activities and/or Operations**

a. Identify any roads, trails, or utility right of ways that traverse the proposed site or will be constructed and clearly mark them on project site maps.

None

b. Would the proposed project require the construction of settling ponds?

No Yes (describe and identify location, and estimate surface area disturbed)

c. Would the proposed project affect any existing body of water?

No Yes (describe)

d. Would the proposed project be located in or impact a floodplain or wetland?

No Yes (describe)

e. Would the proposed project be likely to cause runoff/sedimentation/erosion?

No Yes (describe)

3. Vegetation and Wildlife Resources

a. Identify any State- or Federal-listed endangered or threatened plant or animal species affected by the proposed project.

None

b. Would any foreign substances/materials be introduced into ground or surface waters, or other earth/geologic resource because of project activities? Would these foreign substances/materials affect the water, soil, and geologic resources?

No Yes (describe)

c. Would any migratory animal corridors be impacted or disrupted by the proposed project?

No Yes (describe)

4. Socioeconomic and Infrastructure Conditions

a. Would local socio-economic changes result from the proposed project?

No Yes (describe)

b. Would the proposed project generate increased traffic use of roads through local neighborhoods, urban or rural areas?

No Yes (describe)

c. Would the proposed project require new transportation access (roads, rail, etc.)? Describe location, impacts, costs.

No Yes (describe)

d. Would any new transmission lines and/or power line right-of-ways be required?

No Yes (describe location, voltage, and length of line)

FORM E - EF-1 ENVIRONMENTAL QUESTIONNAIRE

U.S. DEPARTMENT OF ENERGY

5. Historical/Cultural Resources

a. Describe any historical, archeological, or cultural sites in the vicinity of the proposed project; note any sites included on the National Register of Historic Places.

None

b. Would construction or operational activities planned under the proposed project disturb any historical, archeological, or cultural sites?

No planned construction Yes (describe)

c. Would the proposed project interfere with visual resources (e.g., eliminate scenic views) or alter the present landscape?

No Yes (describe)

For all proposed project work activities identified under item A-7b, respond to item B6 directly below and continue filling out environmental questionnaire

6. Atmospheric Conditions/Air Quality

a. Identify air quality conditions in the immediate vicinity of the proposed project with regard to attainment of National Ambient Air Quality Standards (NAAQS). This information is available under the NAAQS tables from the U.S. EPA Air and Radiation Division.

	Attainment	Non-Attainment
O ₃	<input type="checkbox"/>	<input type="checkbox"/>
SO _x	<input type="checkbox"/>	<input type="checkbox"/>
PM ₁₀	<input type="checkbox"/>	<input type="checkbox"/>
CO	<input type="checkbox"/>	<input type="checkbox"/>
NO ₂	<input type="checkbox"/>	<input type="checkbox"/>
Lead	<input type="checkbox"/>	<input type="checkbox"/>

b. Would proposed project require issuance of new or modified major source air quality permits?

No Yes (describe)

c. Would the proposed project be in compliance with the National Emissions Standards for Hazardous Air Pollutants?

No (explain) Yes

d. Would the proposed project be classified as either a New Source or a major modification to an existing source?

No Yes (describe)

e. Would the proposed project be in compliance with the New Source Performance Standards?

Not applicable No (explain) Yes

FORM E - EF-1 ENVIRONMENTAL QUESTIONNAIRE**U.S. DEPARTMENT OF ENERGY****6. Atmospheric Conditions/Air Quality (continued)**

f. Would the proposed project be subject to prevention of significant deterioration air quality review?

Not applicable No (explain) Yes

g. What types of air emissions, including fugitive emissions, would be anticipated from the proposed project?

h. Would any types of emission control or particulate collection devices be used?

No Yes (describe, including collection efficiencies)

i. If no control devices are used, how would emissions be vented?

7. Hydrologic Conditions/Water Quality

a. What is the closest body of water to the proposed project area and what is its distance from the project site?

b. What sources would supply potable and process water for the proposed project?

c. Quantify the daily or annual amount of wastewater that would be generated by the proposed project.

d. Identify the local treatment facility that would receive wastewater from the proposed project.

No discharges to local treatment facility

e. Describe how wastewater would be collected and treated.

f. Would any run-off or leachates be produced from storage piles or waste disposal sites?

No Yes (describe source)

g. Would project require issuance of new or modified water permits to perform project work or site development?

No Yes (describe)

h. Where would wastewater effluents from the proposed project be discharged?

No wastewater produced

FORM E - EF-1 ENVIRONMENTAL QUESTIONNAIRE**U.S. DEPARTMENT OF ENERGY****7. Hydrologic Conditions/Water Quality (continued)**

i. Would the proposed project be permitted to discharge effluents into an existing body of water?

No Yes (describe water use and effluent impact)

j. Would a new or modified National Pollutant Discharge Elimination System (NPDES) permit be required?

No Yes (describe)

k. Would the proposed project adversely affect the quality or movement of groundwater?

No Yes (describe)

8. Solid and Hazardous Wastes

a. Describe and estimate major nonhazardous solid wastes that would be generated from the project. Solid wastes are defined as any solid, liquid, semi-solid, or contained gaseous material that is discarded or has served its intended purpose, or is a manufacturing or mining by-product (40 CFR 260, Appendix I).

b. Would project require issuance of new or modified solid waste and/or hazardous waste related permits to perform project work activities?

No Yes (explain)

c. How and where would solid waste disposal be accomplished?

On-site (identify and describe location)

Off-site (identify location and describe facility and treatment)

d. How would wastes for disposal be transported?

e. Describe and estimate the quantity of hazardous wastes (40 CFR 261.31) that would be generated, used, or stored under this project.

None

f. How would hazardous or toxic waste be collected and stored?

None used or produced

g. If hazardous wastes would require off-site disposal, have arrangements been made with a certified TSD (Treatment, Storage, and Disposal) facility?

Not required Arrangements not yet made Arrangements made with a certified TSD facility (identify):

FORM E - EF-1 ENVIRONMENTAL QUESTIONNAIRE

U.S. DEPARTMENT OF ENERGY

C. ENVIRONMENTAL IMPACTS

DESCRIBE ANY ISSUES THAT WOULD GENERATE PUBLIC CONTROVERSY REGARDING THE PROPOSED PROJECT.

IV. CERTIFICATION BY PROPOSER

I hereby certify that the information provided herein is current, accurate, and complete as of the date shown immediately below.

SIGNATURE: _____

DATE: ____/____/____

TYPED NAME: _____

TITLE: _____

ORGANIZATION _____