PMC-EF2a

(2.04.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: S&C Electric Company **STATE:** IL

PROJECT TITLE: ARRA Green Industry Business Development Program

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	EE0000119		EE119

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The Illinois Department of Commerce & Economic Opportunity is providing $1,000,000 in Recovery Act funds to S&C Electric Company (S&C) to offset a portion of the cost to purchase and install new machinery, equipment and process improvements in connection with the company's construction of its new Advanced Technology Center (ATC) on its industrial campus in Chicago, Illinois. Government funding will only be associated with the purchase and installation of equipment, no funds will be associated with building construction activities. ATC building construction began in 2008 and the facility was operational as of early 2010. The completion of the ATC allowed the company to further develop and expand its manufacturing capacity for renewable energy and energy efficiency products.

Grant funding is specifically designated for the purchase and installation of specialty processing equipment and molding/machinery equipment. S&C has obtained all required licenses and permits for the project.

In view of the information provided by the State and recipient, that the work involved with the purchase and installation of equipment in a recently constructed building, the work described is consistent with activities identified in Categorical Exclusion B5.1 and can be excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the project officer, funding for this project is $1,000,000. Based on the information provided for NEPA review, it appears that the work presented has already been completed.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 5/27/10

PMC-EF2a

(2.04.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: Tangent Technologies, LLC **STATE:** IL

PROJECT TITLE : Tangent Grant App for ARRA Bus Dev Program

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	EE0000119		EE119

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The Illinois Department of Commerce & Economic Opportunity is providing $1,599,000 in Recovery Act funds to Tangent Technologies, LLC (Tangent) to offset Tangent's new plastics material processing operation within its 130,000 sq ft industrial park facility at1001 Sullivan Road Aurora, Illinois. The new processing operation will help Tangent recover 17,280 tons per year (4,000 #/hr) of post consumer HDPE bottles into PCR recycled resin. This work was initiated on February 17th, 2009.

The project includes the installation of three (3) outdoor storage silos, two (2) indoor recycled resin storage bins, and purchase and installation of equipment and materials. The outdoor storage silos will be placed adjacent to the existing manufacturing building within the existing Tangent industrial park, which is zoned as "Heavy Industrial", and will be in compliance with the City of Aurora Building and Zoning guidelines. These silos will not be installed until successful completion of the DOE grant agreement is finalized. Equipment purchases included one debaling, wash dry & pelletizing system, and one pellet silo lending & storage silo system. Tangent obtained the required licenses and permits for the project, and will obtain building permits for the outdoor silos prior to installation.

In view of the information provided by the State and recipient, that the work involved with the installation of the material processing operation in a pre-existing industrial park, the work described is consistent with activities identified in Categorical Exclusion B5.1 and can be excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the project officer, funding for this project is $1,599,000. Based on information provided for NEPA review, it appears that the work presented has in part already been completed.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 5/27/10

NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

☐ Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.

☐ Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____

Field Office Manager

PMC-EF2a

(2.04.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: State of Washington DE-0000139 **STATE:** WA

PROJECT TITLE : CAMPS (Cntr for Advd Manuf Puget Sound)

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	EE0000139	O-09-155-014	EE139

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

A9 Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.

A11 Technical advice and planning assistance to international, national, state, and local organizations.

Rational for determination:

The Washington Department of Commerce will provide $1,000,000 in Recovery Act funds to the Center for Advanced Manufacturing Puget Sound (CAMPS) to facilitate the transformation of established manufacturing and supply chain processes to the wind and solar market requirements, resulting in the localization of new and aftermarket products.

CAMPS, which is an organization of traditional suppliers to the aerospace, marine, and transportation industries, will accomplish its goal working through the collaborative efforts of manufacturers, supply chain companies, and key strategic partners. CAMPS manufacturing, supply chain, and workforce partners have committed to invest funds for engineering, new tools, fixtures, software, and support equipment in order to re-tool for the wind and solar markets.

CAMP efforts will include:

- Identify and pursue strong market opportunities in the wind and solar energy industries for new and aftermarket products
- Identify and help companies develop specific supply chain requirements for the wind and solar energy industries,
- Assist companies to transition their capabilities to comply with wind and solar manufacturing requirements,
- Provide Project Management support to ensure high performance results by establishing an ongoing manufacturing presence in the global wind and solar markets,
- Be the center of influence to partner with Original Equipment Manufacturers and pursue future generations of products and technologies in the wind and solar energy industries,
- Create a manufacturing data base of wind and solar energy manufacturing processes, product development and re-engineering,
- Leverage the region's value to Original Equipment Manufacturers as it relates to a standardized aftermarket and next generation product.

Based on the information provided by the State and recipient, the work outlined is consistent with activities identified in Categorical Exclusion A9 and A11.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Insert the following language in the award:

You are required to:
Seek approval from the DOE project officer and NEPA Compliance Officer for any Recovery Act funds that CAMP may wish to use to support the retooling; refurbishing; retrofitting; or purchasing of equipment, supplies, or materials for any of its member's projects.

Note to Specialist :

According to the project officer, funding for this effort is $1,000,000. Unless the scope of this effort changes significantly, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 5/27/10
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

☐ Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
☐ Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____
Field Office Manager

PMC-EF2a

(2.04.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: Texas Comptroller of Public Accounts **STATE:** TX

PROJECT TITLE: ARRA SEP Lampasas Solar Project

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-EE0000116	EE0000116		EE116

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

A11 Technical advice and planning assistance to international, national, state, and local organizations.

A9 Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.

Rational for determination:

The State of Texas will provide $2,000,000 of Recovery Act funds to the City of Lampasas to construct and install a solar photovoltaic generation plant at a former landfill site located between Highway 190 and Highway 183 approximately 1.5 miles southwest of Lampasas. The landfill was closed in 1988. The post closure report was finalized in 1993.

The 309kw, 1,472 panel solar plant is projected to produce about 433,000kwh of electric power that will displace about 0.5% of the city's electricity use and approximately 260 metric tons per year of CO2 greenhouse gas emissions. The site has significant buffer zones to the nearest residents and neighborhoods, no conflicting uses, and close proximity to a new power distribution line. The total landfill area is 186 acres of which 52 acres are being used for sludge disposal. Vegetation of the site includes oak, hackberry, and second growth scrubs, which will be cleared for installation of the system. The area is accessible via a partially paved road, which will be widened and improved in support of the project.

The project will include installation of the PV modules, mounting system, inverter, transformer, switchboard, water supply for PV washdown, lighting, and security system. Some earthwork is expected, but breach of the landfill cover will be avoided. The construction contract requires system installation in compliance with NEC-2008 and in accordance with recommended practices outlined in SAND96-2797. Outdoor installations will comply with ANSI C2, National Electical Safety Code.

This project is far along in the planning stages but still requires significant engineering design and site characterization work before a NEPA determination can be made. Accordingly, the project is to be phased. Phase 1 is to complete the engineering design, site characterization, permitting, and environmental information needed for DOE to make an informed NEPA determination. Phase 2 is to prepare the site, construct, and install the solar system based on the information collected in the Phase 1 effort.

Based on information provided by the State and recipient, the project requires further definition before a final NEPA determination can be made. Accordingly, the project is to be phased. Phase 1 is to finalize the engineering, site characterization, permitting, and environmental analyses required for DOE to make a NEPA determination. The phase 1 effort is categorically excluded via A9 and A11. The Phase 2 effort will follow through with the site preparation, construction, and installation of the solar system based on the information collected in Phase 1. The Phase 2 effort may require the preparation of an Environmental Assessment should the information collected in Phase 1 so dictate.

NEPA PROVISION

DOE has made a conditional NEPA determination for this award, and funding for certain tasks under this award is contingent upon

the final NEPA determination.

Insert the following language in the award:

You are restricted from taking any action using federal funds, which would have an adverse affect on the environment or limit the choice of reasonable alternatives prior to DOE/NNSA providing either a NEPA clearance or a final NEPA decision regarding the project.

Prohibited actions include:
Site preparation, construction, and installation of the solar system until completion of the Phase 1 effort and a final NEPA determination has been made based on the Phase 1 information.

This restriction does not preclude you from:
Conducting the engineering, site characterization, permitting, and environmental analyses required to prepare final project plans.
If you move forward with activities that are not authorized for federal funding by the DOE Contracting Officer in advance of the final NEPA decision, you are doing so at risk of not receiving federal funding and such costs may not be recognized as allowable cost share.

Insert the following language in the award:

You are required to:
Provide final site characterization, engineering and project plans, and related environmental analyses to the DOE project officer and NEPA compliance officer for review. You may not proceed with the Phase 2 activities until a final NEPA determination has been made.

Note to Specialist :

According to the project officer, funding for this project is $2,000,000. In view of the phased approach, it is recommended that $200,000 be released to complete the Phase 1 effort. The remaining $1,800,000 should be withheld pending receipt of the Phase 1 information and NEPA review of that information.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 5/27/10
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

☐ Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
☐ Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____
Field Office Manager

PMC-EF2a

(2.04.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: State of Wisconsin SEP ARRA EE0000163-TecStar **STATE:** WI

PROJECT TITLE : Expansion of Manufacturing Capabilities to create PV Frames for Panels

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE FOA 0000052		GFO-10-300-003	0

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The State of Wisconsin will provide $3,700,000 in Recovery Act funds to TecStar Manufacturing Company to purchase injection molding machines for producing frames for photovoltaic panels. The company is located at W190 N11701 Moldmakers Way, Germantown, Wisconsin 53022. The new equipment purchases will not require an expansion of the existing building nor require significant construction or repairs of the building. The equipment will not require new permitting or licensing or lead to significant changes in the routine operations of the plant.

Based on the information provided by the State and recipient, the work outlined is consistent with activities identified in Categorical Exclusion B5.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the project officer, funding for this project is $3,700,000. Unless the scope of this effort changes significantly, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 5/26/10

NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

PMC-EF2a

(2.06.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: Department of Commerce. Energy Office SEP ARRA EE0000106 **STATE:** AZ

PROJECT TITLE : State Energy Program: 21st Century Energy Grants- AAA Cab Service

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-EE0000106			0

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The State of Arizona will provide $30,000 in Recovery Act funds to AAA Cab Service to install an above-ground tank at their fueling station. The location of the station is between the Phoenix airport and the I-10 freeway. The fueling station, above ground storage tank, and new concrete driveway will be located on a dirt lot that has been previously disturbed. The lot is located in a highly industrialized area with some light commercial use.

The Arizona Department of Commerce has a biofuels grant program under their 21st Century Market title that received a CX determination for existing fueling facilities. This project; however, involves the installation of a new tank at the fueling station, which was not addressed in the previous NEPA determination. The fuel island installation will include a concrete pad for the above ground 12,000 gallon UL-2085 split tank. The tank will be double-walled for secondary containment in the event of a leak. The new island will include a 10' by 85' concrete drive for the fueling area. Additional equipment includes the E-85 fuel dispensers, safety equipment, lighting and security cameras, fuel tracking software, metered panel, explosion proof fittings, stainless steel piping, plumbing parts, curbing and site gates.

DOE's previous NEPA review indicated that there will be no adverse impact to threatened and endangered species, cultural resources, wetlands, floodplains or coastal zones. The nearest body of water, the Salt River, is over half a mile away. AAA Cab Services has received a building permit from the City of Phoenix and a fire permit from the City of Phoenix Fire Department which are attached.

In view of the information provided by the State and recipient and based on DOE's previous NEPA determination, the work outlined is consistent with activities identified in Categorical Exclusion B5.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the project officer, funding for this project is $30,000. Unless there is a significant change is the scope of this effort, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: David Boron Date: 5/26/2010

NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

☐ Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.

☐ Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____

Field Office Manager

PMC-EF2a

(2.04.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: WA Dept. of Commerce **STATE:** WA

PROJECT TITLE: GR Silicate

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	DE-EE0000139		0

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:
Description:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The Washington Department of Commerce will provide $1,400,000 in Recovery Act funds to G.R. Silicate in support of the company's plans to expand their Nano-fibers and Carbonates operations to commercial scale. The G.R. Silicate facility is located at its Grays Harbor Paper site in Hoquiam, Washington.

The G.R. Silicate facility was originally built using funds from DOE grant number DE-FC36-013ID14439. Current operations consist of a diatomaceous earth slurry tank; a lime slaking/slurry tank; a 5,000 gallon, 200 psig reactor; a product screening system; and product storage. The reactor is capable of producing batches of Scalenohedral Precipitated Calcium Carbonate (S-PCC) and certain silicate nano-fiber products. A number of the silicate nano-fiber products require higher temperature and pressure than the current reactor rating, and thus cannot currently be produced outside of the laboratory. The current single reactor system also cannot produce sufficient quantities for continuous production runs and cannot take advantage of potential energy (heat) recovery opportunities.

Recovery Act funding will be used to add two more reactors that are capable of producing silicate nano-fibers at 600 psig and 500°F in quantities suitable for continuous paper production at the Grays Harbor Paper mill. The existing reactor will be dedicated to production of S-PCC only. The CO2 source for the S-PCC production will be changed from using liquid CO2 to using CO2 from the No. 8 Hog Fuel Boiler flue gas. According to the recipient, this will remove approximately 7,329 tons per year of CO2 from the boiler emissions, captured as calcium carbonate.

The proposed project received a SEPA Determination of Non-Significance on April 8, 2010. The Washington Department of Archaeology and Historic Preservation has concurred that no historic properties would be affected by the project. The project site is not located in a floodplain. The project also has a Notice of Construction – Final Determination to Approve from the Olympic Region Clean Air Agency, dated January 25, 2010. The Final Determination to Approve includes conditions of approval that must be met by G.R. Silicate, which include:

- Technical specifications
- Lime receiver/filter opacity limit
- Lime silo baghouse opacity limit
- Diatomaceous earth dust collector opacity limit
- Monitoring requirements
- Operation plan
- Recordkeeping requirements

Based on the information provided above, the work outlined is consistent with activities identified in Categorical Exclusion B.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Insert the following language in the award:

You are required to:
Comply with the conditions for approval in the Notice of Construction – Final Determination to Approve from the Olympic Region Clean Air Agency, dated January 25, 2010.

Note to Specialist :

According to the project officer, funding for this project is $1,400,000. Unless there is a significant change in the scope of this effort, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 5/26/10
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

☐ Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
☐ Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____
Field Office Manager

PMC-EF2a

(2.04.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: State of Washington DE-EE0000139 **STATE:** WA

PROJECT TITLE: FPE Renewables, LLC

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	EE0000139		EE139

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:
Description:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The Washington Department of Commerce will provide $320,000 of Recovery Act funds to FPE Renewables, LLC to upgrade an existing anaerobic digester at Vander Haak Dairy in Lynden, Washington. This upgrade project will convert the digester from mespohillic operation to thermophillic operation. This conversion will require additional heat recovery capacity in a new genset, a collection pit to provide a more consistent feedstock mixture, and some mechanical and utility upgrades to accommodate the additional heat and electricity. This project will allow FPE Renewables to produce more gas from the same amount of inputs. The project will utilize the excess biogas for which the current generator does not have capacity. The work will be conducted on Haak Dairy property on previously disturbed land.

Recovery Act funds will be used primarily for construction services and equipment purchases. Major equipment purchases include the new biogas gen-set, inductor bank, and utility relay and breaker. Minor equipment purchases include pumps and mixers. The original anaerobic digester was exempt from air permitting requirements. The upgraded project may require a new source review permit from the Northwest Air Pollution Authority. FPE Renewables must comply with the requirements of any applicable air permit for the upgraded digester.

The original anaerobic digester installation was the subject of a USDA Environmental Assessment (EA) dated March 2004. The EA concluded that the project would not have significant impacts. The USDA has also prepared an EA (dated August 2009) for the upgraded digester project and it also concludes that the project would not have significant impacts. DOE has reviewed the USDA EAs and concurs with the findings.

Based on the information provided by the State and recipient, the work outlined is consistent with activities identifed in Categorical Exclusion B5.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Insert the following language in the award:

You are required to:

The original anaerobic digester was exempt from air permitting requirements. The upgraded project may require a new source review permit from the Northwest Air Pollution Authority. FPE Renewables must comply with the requirements of any applicable air permit for the upgraded digester.

Note to Specialist :

According to the project officer, funding for this project is $320,000. Unless there is a significant change in the scope of this effort, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 5/26/10

NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

☐ Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.

☐ Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____

Field Office Manager

PMC-EF2a

(2.04.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: State of Washington DE-EE0000139 **STATE:** WA

PROJECT TITLE: Rainier Biogass LLC

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	EE0000139		EE139

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

C12 Siting, construction, and operation of energy system prototypes including, but not limited to, wind resource, hydropower, geothermal, fossil fuel, biomass, and solar energy pilot projects.

Rational for determination:

The Washington Department of Commerce will provide $1,392,500 in Recovery Act funds to Rainier Biogass LLC for the installation of an anaerobic digester and cogeneration system at a dairy farm located at 42231 208 Ave SE, Enumclaw, WA. The digester will use dairy manure from over 1,000 cows at three dairy farms in the surrounding area. The biogas produced will be burned in a generator to produce electricity for export to the grid. Recovered heat will be used for facility process heating. Project components include a digester vessel, a mechanical building to house the 454kw generator, and equipment to store and transfer electricity and manure.

This project also includes funding from the U.S. Department of Agriculture, which has begun preparation of an Environmental Assessment.

The size, scope, and breadth of the project raises many questions concerning the potential impact of the project on the environment. Given the uncertainty of environmental impact, per the DOE NEPA implementing regulations (Appendix C to Subpart D to 10 CFR Part 1021 - C12, as noted above), preparation of an Environmental Assessment is required prior to allowing federal funds for this proposed project.

NEPA PROVISION

DOE has made a conditional NEPA determination for this award, and funding for certain tasks under this award is contingent upon the final NEPA determination.

Insert the following language in the award:

You are restricted from taking any action using federal funds, which would have an adverse affect on the environment or limit the choice of reasonable alternatives prior to DOE/NNSA providing either a NEPA clearance or a final NEPA decision regarding the project.

Prohibited actions include:

DOE funds are not authorized for project site preparation and all installation activities pending outcome of the environmental assessment.

This restriction does not preclude you from:

Washington Department of Commerce is authorized to initiate the preparation of an EA by a third-party contractor, consistent with DOE NEPA implementing regulations. DOE, Washington Department of Commerce and third-party contractor shall enter into a Memorandum of Agreement (MOA) defining the scope of services to be completed by the third-party contractor on behalf of DOE.

If you move forward with activities that are not authorized for federal funding by the DOE Contracting Officer in advance of the final NEPA decision, you are doing so at risk of not receiving federal funding and such costs may not be recognized as allowable cost share.

Insert the following language in the award:

You are required to:
Produce an Environmental Assessment (EA) following the guidelines and protocol established by the Department of Energy Golden Field Office (GO). The EA is to be delivered to GO for review. Work on this project can not commence until final review of the EA and the issuance of a Finding of No Significant Impact (FONSI) by GO.

Note to Specialist :

According to the project officer, funding for this project is $1,392,500. An EA is required based on complexity of the project. The project is also being supported by the USDA, which has initiated their EA process. We will look to team with USDA as a cooperating agency in preparation of the EA.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 5/26/10
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☑ Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

☐ Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
☐ Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____
Field Office Manager

PMC-EF2a

(2.04.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: Texas Comptroller of Public Accounts **STATE:** TX

PROJECT TITLE : ARRA SEP City of Weslaco Solar Project

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-EE0000116	EE0000116		0

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The State of Texas will provide $400,000 to the City of Westlaco to install a 454kw ground-mounted solar photovoltaic system at the City's wastewater treatment plant located at 5210 S. Midway RD, Westlaco, TX. The wastewater treatment plant is currently regulated under the Clean Water Act via TX/EPA Permit ID No. 01163947. The project activities will not affect the current permit or require new operation permits.

The area surrounding the plant is largely agricultural and brush with the exception of a nearby golf course to the south. The solar array will be installed within the plant's grounds. The system calls for high quality designed, engineered, and manufactured ground mounts. The PV modules are to be low-profile and mounted vertically on the rack in portrait-mode. A third party engineering company will be used to approve the design in accordance with local building and wind loading requirements. The design and installation aspects of the solar array on the plant's grounds combined with the plant's operations and its remote location mitigate the risk of aesthetic or environmental concerns.

Based on the information provided by the State and recipient, the work outlined is consistent with activities identified in Categorical Exclusion B5.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the project officer, funding for this project is $400,000. Unless there is a significant change in the scope of this effort, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 5/25/10

NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

☐ Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.

☐ Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____

Field Office Manager

PMC-EF2a

(2.04.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: Bley, LLC **STATE:** IL

PROJECT TITLE : Bley LLC Green Energy Component Manufacturing Capacity and Capability Development Initiative

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	EE0000119		EE119

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The Illinois Department of Commerce & Economic Opportunity is providing $5,000,000 in Recovery Act funds to Bley, LLC (Bley) to offset Bley's purchase, installation, and testing of new equipment for its facility located at 700 Chase Avenue, Elk Grove Village. The new equipment will help Bley expand its manufacturing services to produce high precision components for use in wind turbines sized between 3 and 4.5 megawatts. This work was initiated in 2009.

The project included the purchase, installation, and testing of three (3) new boring mills, one coordinate measurement machine, and coolant and chip recycling systems. A new facility was required to accommodate the largest boring mill; however, the construction and establishment of this facility was a separate effort that did not involve Recovery Act funds. All other boring mills and equipment purchases were housed within the existing 45,000 sq ft Bley manufacturing facility, which did not require alterations to the facility footprint. Bley obtained the required licenses and permits for the project.

In view of the information provided by the State and recipient, that the work involved the purchase of equipment for installation in a pre-existing facilty, and that the installation did not impact the footprint of the facility, the work described is consistent with activities identified in Categorical Exclusion B5.1 and can be excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the project officer, funding for this project is $5,000,000. Based on information provided for NEPA review, it appears that the work presented has already been completed.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 5/25/10

NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

☐ Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.

☐ Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____

Field Office Manager

PMC-EF2a

(2.04.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: Iowa Office of Energy Independence **STATE:** IA

PROJECT TITLE : UNI Multi-Modal Transportation Center PV Panels

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE FOA 000052	DE-EE0000162	GFO-09-144-006	0

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The State of Iowa will provide $250,000 in Recovery Act funds to the University of Northern Iowa to install a 228kW solar photovoltaic (PV) array above the top deck of the University's Multi-modal Transportation Center. The Center is located at 23rd and Merner Streets in Cedar Falls, IA. The array will consist of approximately 1000 PV panels supported on a steel frame that will extend above the top level of the new parking structure and transit pavilion.

The photovoltaic array structure is designed and will be constructed in accordance with International Building Codes (2006 edition). Engineering designs have included provisions for gravity (self-weight), wind, and snow loads. Engineering analysis of the base building indicates that the structure is capable of supporting the photovoltaic array and framing.

The PV system is to be connected to the campus utility distribution system via the parking facility's distribution panel, which is connected to the main electrical service for Bartlett Hall. The electric utility distribution system is privately owned and maintained by the university. Energy model data for the transportation pavilion and parking structure indicate an average annual energy of 272,000 kWh. Expected average annual output of the PV system is 269,300 kWh.

Based on the information provided by the State and recipient, the work outlined is consistent with activities identified in Categorical Exclusion B5.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the project officer, funding for this project is $250,000. Unless the scope of this effort changes significantly, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 5/25/10
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

☐ Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
☐ Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____
Field Office Manager