

**State Plan - Master File Worksheet****State: NM Program Year: 2009**

This worksheet should be completed as specified in Section III of the State Energy Program Application Package.

**1. Description of State Energy Goals to be achieved (10CFR 420.13.b.2)**

The New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Energy Conservation and Management Division (ECMD) submits this State Energy Program (SEP) Comprehensive Plan (Plan) for the American Recovery and Reinvestment Act (ARRA) of 2009, Public Law 111-5. This Plan establishes the framework that commits New Mexico to meet ARRA's goals to stimulate the economy and create and retain jobs in New Mexico. EMNRD is committed to meeting the goal of using at least 50 percent of the funds for shovel-ready project activities that can be initiated immediately. In addition, EMNRD is committed to aligning its energy efficiency and renewable energy goals to the national energy goals through economic and market transformation activities and efforts. ECMD is the division within EMNRD that is designated as the New Mexico State Energy Office (NMSEO) and is responsible for developing and implementing the SEP-ARRA Plan.

The NMSEO's SEP-ARRA goals and objectives for 2009 through 2012 include the following: expand its three broad clean energy programs - Energy Efficiency, Renewable Energy, and Transportation - to include implementation of activities and projects that create new initiatives for meeting the overall objectives of ARRA, and the general advancement of clean energy program efforts around the state. The three programs allow expeditious implementation of projects that achieve ARRA objectives within the required timeframe and that provide measurable and documented outcomes.

**MARKETS AND TOPICS**

Plan implementation includes activities in six markets: Buildings, Electric Power and Renewable Energy, Energy Education, Industry, Policy Planning and Energy Security, and Transportation. Each market incorporates involvement in several overall program market sectors. For example, the *Energy Efficiency Program for Buildings* will include activities addressing energy building code adoption, green building professionals training, energy audits and implementation of building energy efficiency measures. More information on implementation of the three broad clean energy programs and the estimated specific metric benefits related to jobs created, energy usage reduced, and renewable energy produced are found in the Narrative Information worksheets attached to this Plan.

**IMPLEMENTATION**

**Prompt, Fair and Reasonable Awards:** Funding will be used for the advancement of energy efficiency and renewable energy deployment around the state. The NMSEO's SEP ARRA goal is to promote and increase energy efficiency and the use of renewable energy to create jobs and boost the economy; reduce reliance on imported energy; and reduce greenhouse gas emissions. The objective is to reduce energy consumption and to generate new jobs by promoting energy efficiency and statewide use of clean energy technologies including renewable energy (solar, wind, geothermal, landfill gas, biomass), clean fuels (natural gas, ethanol, biodiesel), and energy efficiency to reduce the impacts of energy use and production on the environment.

The Plan will be implemented in three phases. Phase I comprises shovel-ready projects and other activities that will be deployed by June 17, 2009. Phase II encompasses demonstration projects selected through a competitive solicitation/application process to targeted recipients (state agencies, cities, counties, universities, school districts, tribes and pueblos and other governmental subdivisions) for deployment no later than September 30, 2009. Phase III addresses initiatives in the public and private sectors. All requests for applications and proposals

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will be issued to establish agreements with the public and private sectors. The requirement is that selected projects and initiatives must have funds obligated no later than September 30, 2010.

**Phase I: Planned Projects (requires access to the 40 percent ARRA funding)**

**Shovel-Ready Projects:** The NMSEO has evaluated its pool of existing project proposals from past solicitations but for which adequate funding was not available. Projects with high energy-efficiency-return, which can be deployed immediately, have been identified. Upon Plan approval by the U.S. Department of Energy these projects will be deployed to meet the first year spending requirements. Selection is based on SEP ARRA Guidelines to maximize the number of jobs created and the amount of energy reduced and renewable energy generated.

- o **LED Traffic Signals Demonstration Project:** EMNRD, in partnership with the New Mexico Department of Transportation (DOT), will purchase and install commercially-available LED traffic signal lighting for every designated site statewide. This investment will benefit a total of 52 communities across the state. The return has been shown to be an 80 percent energy savings to the cities/counties where LED traffic signals are now located. Investment payback is one year, with energy savings continuing for years thereafter for this statewide project. DOT has an existing price agreement for the procurement of equipment and for installation.
- o **State Government Building Energy Efficiency Projects:** Funds will be used to implement energy efficiency measures at public facilities - the largest consumers of energy in the executive branch of state government are targeted. Measures include: energy audits; upgrades and control improvements for heating, cooling, ventilation and lighting systems; and basic weatherization, resulting in reduced energy consumption and operational costs.
- o **Other Shovel-Ready Projects:** Additional projects are being evaluated and prioritized from the above mentioned existing project proposals. This evaluation process is being conducted to ensure that projects have the potential to deliver and document energy efficiency and renewable energy production, promote energy conservation, and reduce energy consumption in all sectors of the New Mexico economy, including commercial, industrial, transportation, and institutional (government, schools); encourage energy efficient and sustainable ("green") building construction; reduce greenhouse gas emissions; and are ready for deployment.

**Phase II: Other Demonstration Projects (requires access to the next 20 percent ARRA funding)**

A competitive application selection process will be used to select projects based on ARRA goals and NMSEO's established strategic plan goals to promote the increased production and use of clean energy in New Mexico; increased energy efficiency; increased economic development for New Mexico; and environmental and natural resource conservation and protection by reducing greenhouse gas emissions.

Public entities including public schools (K-12), local governments such as municipalities and counties, state agencies, colleges and universities, and Indian tribes and pueblos are eligible to apply and compete for funding. Competitive grants and contracts will allow public entities to develop clean energy projects such as building projects, transportation projects, energy-related community projects, energy education projects, or combinations

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thereof. These may include use of renewable energy (solar, wind, biomass, geothermal) and clean-burning transportation fuels (compressed natural gas, propane, electricity, hydrogen, cellulosic ethanol, methanol, biodiesel).

The Demonstration Program initiatives will include but not be limited to: renewable energy/clean energy projects that demonstrate the use of renewable energy in communities statewide by providing grants for clean energy projects (renewable energy: solar, wind, biomass, geothermal); energy efficiency projects resulting in reduced or improved use of energy in all sectors of the economy; and clean-burning transportation fuels (compressed natural gas, propane, electricity, hydrogen, cellulosic ethanol, methanol, biodiesel).

The SEP ARRA Demonstration Program will:

- Result in significant *Energy Savings in the New Building Sector*: Updating and revising energy codes and local building codes that will significantly increase energy efficiency, while furthering the training and education of professionals such as architects, engineers and designers, contractors, and state and local building inspectors. Updating state and local building energy codes is essential and will result in substantial energy use reductions and promote energy efficient building practices.
- Demonstrate *Energy Efficiency Gains in Existing Buildings*: Most existing buildings leak cold air in the summer and hot air in the winter. Grants from this funding can support local programs to conduct energy audits to identify and enact cost-effective retrofits and remove outdated and inefficient technology.
- Promote *Community-based Transportation Programs*: Cities and counties are well positioned to launch programs that encourage such activities as car pooling, increased transit ridership, and other initiatives to reduce vehicle miles traveled.
- Promote *Alternative Energy Technologies*: Governments are often the laboratories for the application of new energy technologies that are commercially available but require demonstration before they are fully accepted by the broader public. By establishing and fostering such demonstration programs, the acceptance of new and innovative technologies can be expedited and result in significant energy savings.
- Promote *Energy Efficient Communities*: Design for more energy efficiency through transit-oriented development, mixed-use development, alternative transportation use, and other design approaches that encourage fewer vehicle miles traveled.
- Promote *Energy Conservation Programs*: The most cost-effective and immediate way to cut energy use is through personal behavioral change and participation in energy conservation programs. Providing for education and public awareness, and organization of these voluntary programs, can reduce energy consumption through conversion to compact fluorescent lighting, performance of home energy audits, neighborhood energy blitzes, and community recycling programs. These projects will promote energy conservation and reduce energy consumption in all sectors of the New Mexico economy, including commercial, industrial, transportation, residential and institutional (government/schools).
- Support and promote *Energy Audits and Project Financing through the Energy Efficiency and Renewable*

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*Energy Bonding Act:* EMNRD/NMSEO will promote financing energy efficiency and performance contracting programs and provide assistance to public projects to meet the Energy Efficient Green Building Standards for State Buildings in New Mexico. Projects for state and local government agencies, schools, and higher educational institutions will be selected based on need, expected energy reductions, the energy consumption history of the facility, and assurance that implementation of energy efficiency measures will result in reduction of energy consumption and utility cost savings with pay back within ten years. An energy audit will be conducted to verify the anticipated net energy savings. If adequate energy savings can be guaranteed over the projected life of the energy efficiency measures, the project is eligible to request bond funding or performance contract funding. This funding will provide for implementing energy efficiency measures with the largest savings over the life of the building while creating a comfortable and healthy environment for the occupants. All state agencies and public school districts that occupy and maintain buildings owned by the state or district are eligible to participate in this program.

To implement projects, the NMSEO shall develop and establish various types of agreements with public and private entities such as Joint Power Agreements (JPAs), Governmental Services Agreements (GSAs), Memoranda of Understanding (MOUs), or Professional Services Agreements (PSAs). The selected entities may work with other associations, institutions or private contractors by establishing separate agreements for project implementation.

**Phase III: Initiatives in the Public and Private Sectors (other than grants) (*requires planning funding and access to the final 30 percent ARRA funding*)**

This phase involves development, planning and expansion of the energy efficiency program to be implemented using professional service contractors. They will be selected through a competitive selection (Request for Proposal) process for programs to increase workforce readiness in energy-related fields or green building disciplines, including improved building code implementation.

**~~New and Augmented Energy Efficiency Programs in the Residential, Commercial, and Light Industrial Sectors:~~**

NMSEO intends to develop energy efficiency programs to assist the private sector with energy audits and energy efficiency improvements. Examples that may be employed in the residential sector include assessments of homes' energy usage, prioritized lists of recommended energy-efficiency measures with a process to implement them, and a training program for homeowners to help them further conserve energy. Similarly, in the commercial and light industrial sectors, a program offering energy audits, recommendations for energy improvements and their paybacks, and a process to implement them will be considered. Energy efficiency renovations will focus on cost-effective measures.

To support the New Mexico Efficient Use of Energy Act (Act), NMSEO will develop a program that assists investor-owned utilities and rural electric cooperatives further develop or expand robust energy efficiency programs. NMSEO will also create additional energy efficiency initiatives as needs are identified. The Act allows, encourages, and directs electric and gas utilities to develop and implement comprehensive, cost-effective energy efficiency programs (reviewed and approved by the Public Regulation Commission) to reduce utility-related expenditures for New Mexicans and businesses. In addition, the Act establishes targets for electric utilities that must be met: 5 percent EE savings from 2005 energy usage by 2014, and

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10 percent by 2020. NMSEO's assistance to utilities will result in customer energy usage savings levels that far exceed these targets. Although not covered by the Act, NMSEO will encourage and assist municipal utilities develop similar programs.

NMSEO will enhance the above efforts through a green professionals training program to leverage and complement current workforce training initiatives. This program will address areas such as HERS rating, energy auditing, weatherization, energy modeling, and green design and construction and include a process to provide subsequent on-the-job experience and employment.

## 2. Selection of State Goals (10CFR 420.13.b.2.ii)

The EMNRD/NMSEO staff is committed to meeting the EPA goal of increasing energy efficiency by 25 percent by 2012, the Advanced Energy Initiative (AEAI) goals, and the "20-in-20" DOE initiative goals. New Mexico has established programs and current clean energy goals to promote energy efficiency in our state and to establish processes to collect and evaluate energy usage data to evaluate and report compliance with the 25 percent by the 2012 goal.

The Demonstration Program goals focus on implementing renewable energy and energy efficiency projects that: 1) attract new industry and create jobs; 2) advance renewable energy development in New Mexico; 3) promote energy conservation and reduce energy consumption in all sectors of the New Mexico economy, including commercial, industrial, transportation, residential and institutional (government/schools); 4) encourage energy efficient and sustainable ("green") building construction; encourage, facilitate and incentivize sustainable, "green" building construction practices and 5) reduce greenhouse gas emissions and increase use of clean-burning fuels to decrease dependence on foreign oil.

## 3. Measuring Achievements (10CFR 420.13.b.2.iii)

To measure achievements of the plan, and to determine and ensure that the state goals and projects' benefits are consistent with federal criteria, an *Evaluation Component* will be incorporated. The procedures or methodology to be applied to evaluating the benefits derived from the projects and initiatives will permit a qualitative and quantitative assessment of expected project impacts. The parameters to be evaluated to document the success of the proposed projects will be measured relative to amount of energy saved, renewable energy produced and number of jobs retained and/or created, and/or the number of individuals trained. Project participants must agree to establish an energy usage reporting mechanism, such as EPA's Portfolio Manager (or other reporting mechanism approved by NMSEO) to provide data analysis of energy savings and, if applicable, simple payback. The data received from all projects will be compiled, evaluated and reported to the U.S. Department of Energy and to any other entities as may be required. Continuous feedback will be essential in improving evaluation procedures, documenting and verifying results.

### **Program Area: Energy Efficiency**

#### **Markets:**

#### **1. Buildings**

- Energy Codes (Adopt IECC 2009 and ASHRAE 90.1-2007)
- Green Building Professional's Training
- "Green Up" existing public buildings (i.e. retrofits)
- Commercial audits/abridged (or unabridged) renovations

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- Non-low income residential audits/energy saving measures
  - New Construction
    - Public buildings
    - Commercial (building on Sustainable Building Tax Credit)
    - Residential (building on Sustainable Building Tax Credit)
  - Promote and support the use of the Energy Efficiency and Renewable Energy Bonding Act/Qualified Energy Conservation Fund (QECF)
- 2. Energy Education**
- Statewide professionals training
  - Green Collar workforce development
  - Energy Codes Inspector's training
  - General Public Outreach and Education
- 3. Industry**
- Combined Heat & Power
  - Facility Managers/Energy Managers Education & Training
  - Industry audits, abridged (or unabridged) renovations, & recognition programs
- 4. Policy, Planning, and Energy Security**
- Development of zoning and other land use guidelines to promote energy efficient land use development.
  - Community comprehensive plans that emphasize and promotes energy efficiency
  - Utility demand-side policy promotion and expansion.
- 5. Transportation**
- Support projects that interface between conventional or renewable electrical power sources and plug-in electric vehicles
  - Provide photovoltaic power production structures with rain catchment systems as covered parking for electric vehicles

**Program Area: Renewable Energy****Markets:****1. Buildings**

- Professional training for installing and inspecting solar systems
- Commercial audits/abridged (or unabridged) renovations, including solar thermal
- Non-low income residential audits/energy saving measures including solar thermal
- New construction and retro homes
  - Public buildings and residential homes
  - Commercial (STC, SGRT, Renewable financing)
  - Residential (STC, SBRT, renewable financing)
- Promote and support the use of the state Energy Efficiency and Renewable Energy Bonding Act, the federal Qualified Energy Credit Fund Bond Program and other recently enacted state legislation.
- Outreach and education

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- Commercial, residential and public buildings
- Federal and state incentives

## 2. Electric Power and Renewable Energy

- Promote and support the use of the state Energy Efficiency and Renewable Energy Bonding Act, the federal Qualified Energy Credit Fund Bond Program and other recently enacted state legislation
- Non-low income residential audits/energy saving measures, including solar thermal
- "Green Up" of existing and new schools, including solar
- Commercial audits/abridged (or unabridged) renovations, including solar thermal
- Statewide geothermal resource assessment database
- Promote biomass-fueled systems near wood pellet production facilities
- Foster rural community support for a central biomass gasification facility

## 3. Energy Education

- Professional training for installing and inspecting solar systems
- Commercial, residential and public buildings
- Outreach for State and federal incentives

## 4. Industry

- Commercial audits/abridged (or unabridged) renovations to include solar thermal
- NM Rural Electric Cooperative Association EE program
- NM Investor Owned Utility EE program
- Develop biomass-to-heat commercial greenhouse projects
- Assist rural and existing greenhouses to convert to biomass heating systems where feasible
- Encourage local and regional use of wood pellets by funding start up pellet distribution systems where pellets are locally produced
- Assist communities create a demand where businesses that sell pellet stoves and where the fuel supply is available to promote wood pellet distribution and delivery systems

### **Program Area: Clean Fuels and Efficient Transportation:**

#### **Markets:**

### 1. Transportation

- Vehicle miles travelled (VMT) reduction for NM public fleets
- Implement trip efficiency strategies
  - Idle reduction, speed reduction, maintenance improvements, trip chaining, carpooling, telecommuting or teleconferencing, cycling and walking
  - Offset cost of vehicle replacements to purchase fuel efficient vehicles and advanced power-train vehicles
  - Use alternative fuels with incentive to purchase New Mexico produced fuels
  - Offer ride-finding services and low-cost rideshare vans
  - Sponsor employee transportation events that reward those who reduce VMT
  - Encourage alternative transportation use in communities, municipalities and educational institutions
- State of New Mexico funds Alternative Fuels Acquisition Act Implementation:

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- Develop a process to launch the Alternative Fuels Acquisition Act of 1992 to include compressed natural gas, propane, ethanol, biodiesel, hydrogen, electric and fuel-efficient vehicles
- Enable public entities to procure alternative fuel and fuel efficient vehicles
- Support the 5% biodiesel governmental and state-wide legislation and Governor's Executive Orders by funding of public biodiesel infrastructure throughout the state
- Develop incentives to expand the use of biofuels state-wide by the public
- Promote biofuels that are produced regionally and sustainably
- Promote production of biofuels gasification
- Promote cycling, walking or carpooling to school educational and safety programs to encourage VMT reduction, alternative transportation use and promote health
- Encourage multi-modal transportation solutions
- Assist k-12, college and university institutions reduce fuel consumption, replace conventional diesel fuel and supporting replacement of conventional diesel with biodiesel or alternative fuel, for example propane or natural gas
- Encourage student use of public transport, car pooling, cycling and walking through advertising

**2. Energy Education**

- Educate citizens about the true costs of transportation (monetary and environmental).
- Conduct outreach and public education efforts to expand the use of alternative fuels and reduction of VMT statewide

**3. Policy, Planning, and Energy Security**

- Provide technical assistance to public and private fleets
- Propose policies to encourage and enhance transportation fuel conservation, efficiency and renewable fuel use and promote and expand alternative fuel use

**4. State Strategy (10CFR 420.13.b.2.iv)**

The Energy Minerals and Natural Resources Department staff will strive to provide balanced programming to meet the goals of the Division and the State Energy Program American Recovery and Reinvestment Act Program. The program areas reflect the unique needs and resources of New Mexico and is designed to be flexible enough to respond to new technology, projects and legislation, which would aid in future development to assist the State to meet the 25% energy efficiency goal by 2012. Program areas are reflected under section 3. Measuring achievement.

**5. 25% or more improvement in the efficiency of use of energy by 2012 (1990 baseline)**

As required, New Mexico has adopted the new energy efficiency goal of 25% by 2012. The State Energy Program (SEP) formula grant, SEP Special Projects and the SEP American Recovery and Reinvestment Act will provide the State with programs we need to meet this mandate.

The variables in meeting this mandate are many, including increasing population, decreasing PVE funds, a reduction in staffing, and lack of a solid methodology for measuring energy savings/improvement in energy efficiency. Every reasonable effort has been made to determine how energy efficiency will be improved in New Mexico, if the following projects are approved. The basis for this calculation is listed below for each project:

**Administration**

A 5% share of the savings from all the programs are credited to this part.

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Million Btu per year

Energy Efficiency

Million Btu per year

Renewable Energy

Million Btu per year

Clean Fuels and Efficient Transportation

Million Btu per year

**6. Mandatory Activities (10CFR 420.13.b.4.v and 15)**

Personnel provided extensive technical input to the technical committees working on adoption of the updated energy code. The State Energy Office has performed extensive state-wide training on the new code. In addition, ECMD staff continue to provide one-on-one assistance to building professionals and owner-builders on the IECC provisions and calculations. The Construction Industries Commission is already discussing adoption of the newer ICC codes, and State Energy Office personnel will continue to provide technical input to the process.

The State Energy Office (ECMD) under the State Energy Program Formula Grant provides funds to support the rideshare program in Las Cruces, Albuquerque and/or Santa Fe. The Las Cruces Rideshare Program serves a larger number of commuters and has been very active in the community in an effort to promote the program and may be one of the programs to be funded as well as the new Rail Runner which will assist commuters from Belen, Albuquerque, Bernalillo and Santa Fe this fall. Support for a rideshare program will continue in 2009-2012.

ECMD has made great strides improving the energy efficiency of state buildings and public schools through implementation of Executive Order 96-1, the grant programs, school plan review, and energy performance contract review.

A state traffic law which permits the operator of a motor vehicle to make a right turn at a red traffic light after stopping was enacted by the New Mexico State Legislature prior to December 23, 1976. At certain one-way street intersections in Albuquerque, left turns on red are also permitted.

ECMD staff members work together to form partnerships with other governmental, academic, nonprofit, and private entities to ensure effective coordination among various energy efficiency, renewable energy, and alternative fuels programs. Examples include the joint efforts of ECMD and the Highway and Transportation Department to support the ridesharing program administered by the City of Las Cruces and the joint programs with various state agencies to improve energy efficiency in state buildings.

**7. Environmental Impact (10CFR 420.13.b.5)**

None of the projects in the New Mexico State Energy Program (SEP) American Recovery and Reinvestment Act

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(ARRA) should have any appreciable negative impact on the surrounding neighborhood or on the community. No damage to historical buildings or structures is anticipated. There will be no adverse impact on natural biological systems or damage to aesthetics or cultural resources. Water pollution levels will not be increased as a result of any project herein. No disturbance of land or increases in outside air and noise pollution levels are anticipated. Finally, indoor air pollution levels will not be affected in a negative way.

Specific programs and projects included in New Mexico's SEP-ARRA will have positive effects on the state's pristine and fragile environment.

**8. Supplementing Weatherization (10CFR 420.13.b.6)**

N/A

**9. Supplementing State/Local Funds (10CFR 420.13.b.7)**

Funds granted to New Mexico under the State Energy Program (SEP) American Recovery and Reinvestment Act (ARRA) will be used to supplement, not supplant, state and local funds and will be used to increase the amount of such funds that otherwise would be available in the absence of such Federal financial assistance for the activities set forth in the State Plan.

**10. Compliance with Laws and Regulations (10CFR 420.13.b.8)**

The State of New Mexico certifies and assures that it will comply with all applicable statutes and regulations in effect with respect to the period for which the state receives grant funding.

**11. Energy Emergency Plan (10CFR 420.13.b.9)**

An extensive energy emergency plan for New Mexico was developed and submitted to DOE for informational purposes. An updated copy of the plan will be submitted to the U.S. Department of Energy along with the 2009-2010 State Energy Program (Formula Grant) Plan.

**12. Monitoring Approach (Annual SEP Guidance)**

The Energy Conservation and Management Division of the New Mexico Energy, Minerals and Natural Resources Department has developed a monitoring plan to oversee the expenditure of all state and DOE-appropriated funds. Through this plan, the Department will provide ongoing and thorough fiscal and programmatic accountability for all DOE-approved program activities, including contract, on-site visitations, and deliverables. The monitoring procedures are defined herein and incorporated as part of scheduled program management and administrative actions.

### Monitoring Plan

ECMD will monitor projects on a quarterly basis to ensure that federal program regulations are being adhered to and to determine effectiveness of the funded projects. The purpose for monitoring the project activities is to ensure that project contractors achieve project goals and follow applicable regulations. Programmatic monitoring includes the comparison of the scope of work established in the Agreement between EMNRD and contractor

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(Governmental Services Agreement, Joint Powers Agreement or Professional Services Agreement) with accomplishments and milestones completed and that the projects are completed within the term and within budget.

Quarterly monitoring reports developed by ECMD Program Managers will promote the sharing of information, improve project completion by identifying potential problems and finding solutions to ensure successful completion and most importantly maximize the effectiveness of our grant programs.

The contract monitoring will include the following:

Check accomplishments against the scope of work to determine if the contractor is meeting or has met the terms and conditions and if the project is in line with the overall goals of our program.

Is the project on schedule? Document variances to project or revisions to schedule if necessary.

Assess the financial records to determine if expenditures are appropriate and if project will remain within the approved budget.

Check for the quality of work as well as quantity and timeliness.

Ensure that if a subcontract exists that the contractor is ensuring contract compliance to meet the requirements of the project.

Process for Periodic Review of Progress and Performance

EMNRD currently has one contract officer. We anticipate more than doubling the agency's total contract work load with these SEP and EECBG program expansions. Additionally, the required rate for deployment of these funds will place significant stress on the agency's existing fiscal processes. The addition of a contracts officer and finance officer - both to be located in EMNRD's Administrative Services Division (ASD) rather than ECMD - provides an external evaluation mechanism for this funding. Additionally, the database manager referenced in the attached documents will have a key role in designing the reporting mechanisms, evaluating required submissions and triggering follow-up when indicators identify problems. We anticipate requiring weekly rather than monthly progress reports from recipients so that we will have early warning of project deficiencies.

#### Payment and Reporting Procedures

The Energy, Minerals and Natural Resources Department follows all established procedures in the issuance of contracts. The State of New Mexico's Procurement Code regulations require that every expenditure by state agencies for procurement of items of tangible property, services, and construction comply with the provisions of that Code. With the exception of Joint Powers Agreements with other state entities, which are exempt from the Procurement Code, all agreements initiated by ECMD are competitively selected.

The Energy, Minerals and Natural Resources Department has also established internal procedures for contract review prior to submission to the Department of Finance and Administration (DFA) for final approval. Included are reviews by legal staff, the Equal Employment Officer, Division Director, and ASD.

Once a contract is awarded, the designated program manager for the project is responsible for continually monitoring its progress. The program manager is also responsible for verifying compliance of expenditures in relation to work performed. Payment of invoices for work completed is authorized by the program manager and

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approved by the ECMD fiscal officer before final payment is made by ASD.

DFA monitors all expenditures according to categorical and/or line-item allocations. ECMD has established step-by-step procedures to track all invoices and purchases. These procedures also include steps for ECMD approval of Professional Services Agreements, Joint Powers Agreements, and other financial documents. (see attachment A below).

ASD, using a computerized accounting system, tracks all expenditures and obligations by funding source and budget. These figures are periodically reconciled with DFA. Once reconciliation is completed, ASD is responsible for completing all federal Financial Status Reports and other required budgetary reports.

**U.S. Department of Energy  
STATE ENERGY PROGRAM (SEP)  
NARRATIVE INFORMATION WORKSHEET**

**(Grant Number: EE00108 )**

Market Title: Administration

1. Market (choose one):

<input type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input checked="" type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: NM

3. Program Year: 2009

Date Start: 04/23/2009 Date End: 04/30/2012

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input checked="" type="checkbox"/> Procurement of efficient products **
<input checked="" type="checkbox"/> Alternative Fuels	<input checked="" type="checkbox"/> Federal, state and local facilities	<input checked="" type="checkbox"/> Public information
<input checked="" type="checkbox"/> Appliance efficiency and standards	<input checked="" type="checkbox"/> Financing energy programs	<input checked="" type="checkbox"/> Rating and labeling
<input checked="" type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input checked="" type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input checked="" type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input checked="" type="checkbox"/> Geothermal	<input checked="" type="checkbox"/> Right turn on red **
<input checked="" type="checkbox"/> Carpools, vanpools, and ridesharing **	<input checked="" type="checkbox"/> Green power programs	<input checked="" type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input checked="" type="checkbox"/> Solar power
<input checked="" type="checkbox"/> Climate change planning	<input checked="" type="checkbox"/> Home energy ratings	<input checked="" type="checkbox"/> State energy strategic plans
<input checked="" type="checkbox"/> Combined heat and power	<input checked="" type="checkbox"/> Hydrogen	<input checked="" type="checkbox"/> Telecommuting
<input checked="" type="checkbox"/> Commercial buildings	<input checked="" type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input checked="" type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input checked="" type="checkbox"/> Transmission and infrastructure reliability
<input checked="" type="checkbox"/> Distributed energy generation	<input checked="" type="checkbox"/> Lighting **	<input checked="" type="checkbox"/> Transportation alternatives
<input checked="" type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input checked="" type="checkbox"/> Waste management and recycling
<input checked="" type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input checked="" type="checkbox"/> Water systems
<input checked="" type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input checked="" type="checkbox"/> Wind energy
<input checked="" type="checkbox"/> Energy emergency planning	<input checked="" type="checkbox"/> Performance contracting	
<input checked="" type="checkbox"/> ENERGY STAR	<input checked="" type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 5,000.00 MBtus

6. Description (executive summary of goals and objectives)\* :

**U.S. Department of Energy  
STATE ENERGY PROGRAM (SEP)  
NARRATIVE INFORMATION WORKSHEET**

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Market Title: Administration

**Project Administration**

**Financial Compliance:** Staff will work with data provided by operations to set up grants, track contracts and expenditures, monitor contracts and evaluate compliance with state and federal financial accountability requirements.

**Contract Administration:** Staff will be responsible for developing contract award documents, processing of fiscal documents for encumbering of project funds, monitoring contract status and timelines. In addition, staff will providing support to project managers regarding implementation of projects that are in line with the requirements for receiving federal SEP funding relating to energy efficiency and renewable energy goals.

**Database Administration:** Staff will design and maintain the database reporting system to track contracts, subcontracts, performance measures, timelines, jobs created, energy savings using Energy Star Portfolio Manager and Target finder tools with established energy saving standards.

Staff duties include providing oversight and implementation of the SEP-ARRA Program to ensure compliance with federal SEP funding goals.

**Project Evaluation**

**Project Evaluation:** Staff will provide support and assistance in evaluating project applications to ensure achievement of program objectives, implementation that will meet the timelines, and development of a project reporting tool, training of staff and project managers to comply with reporting requirements, goals and objectives as delineated in the State Energy Program (SEP) American Recovery and Reinvestment Act (ARRA).

**Project Management**

Energy Conservation and Management Division project managers are responsible for project oversight; providing support and assistance in achievement of project implementation that meets the timeline, reporting requirements, goals and objectives as delineated in the SEP-ARRA Program, managing Sustainable Building Tax Credits, and will assist with policy, planning and energy security.

**7. Program Year Milestones\* :**

	Milestone	Planned (Number)
1	Develop SEP-ARRA State Plan and Amendment(s)	2
2	Prepare and submit quarterly Financial Status Reports (FSR's) and Program Status Reports (PSR's)	12
3	Utility savings and project tracking	12
4	Contract Development	10
5	Conduct an annual audit	3
6	Develop database for reporting	1
7	Specify outreach and education needs	1
8	Develop outreach and education approach	1

**U.S. Department of Energy  
STATE ENERGY PROGRAM (SEP)  
NARRATIVE INFORMATION WORKSHEET**

**(Grant Number: EE00108 )**

Market Title: Administration

**8. Standard metrics (required)\*\***

JOB METRICS	Planned
Jobs Created	7
Jobs Retained	1
<b>Total Jobs</b>	<b>8</b>

**9. Specific metric activity (required)\*\***

SPECIFIC METRICS	Planned
Clean Energy Policy	
Other policies developed or improved	
Policies developed	3
Policies improved	4

**10. User specified metrics (optional)\***

METRICS	Planned

**11. Program Year Funds by Source\***

<b>a. SEP Grant (all funds in the approved budget)</b>	
DOE	\$1,311,475.00
<b>Market Budget Total</b>	<b>\$1,311,475.00</b>
<b>b. Leveraged funds anticipated (outside approved budget)</b>	

DOE F 540.1  
(08/05)

**U.S. Department of Energy  
STATE ENERGY PROGRAM (SEP)  
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126  
Expiration Date: 06/30/08

**(Grant Number: EE00108)**

Market Title: Clean Fuels and Efficient Transportation

1. Market (choose one):

<input type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input checked="" type="checkbox"/> Transportation

2. State: NM

3. Program Year: 2009

Date Start: 04/23/2009 Date End: 04/30/2012

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input checked="" type="checkbox"/> Procurement of efficient products **
<input checked="" type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input checked="" type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input checked="" type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input checked="" type="checkbox"/> Right turn on red **
<input checked="" type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input checked="" type="checkbox"/> Schools
<input checked="" type="checkbox"/> Clean Cities	<input checked="" type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input checked="" type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input checked="" type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input checked="" type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input checked="" type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input checked="" type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input checked="" type="checkbox"/> Transportation alternatives
<input checked="" type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input checked="" type="checkbox"/> Energy consumption and price statistics	<input checked="" type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input checked="" type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input checked="" type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 19,000.00 MBtus

6. Description (executive summary of goals and objectives)\* :

**U.S. Department of Energy**  
**STATE ENERGY PROGRAM (SEP)**  
**NARRATIVE INFORMATION WORKSHEET**

(Grant Number: EE00108)

Market Title: Clean Fuels and Efficient Transportation

**Program Area: Clean Fuels and Efficient Transportation:****Markets:****1. Transportation**

- Vehicle miles travelled (VMT) reduction for NM public fleets
- Implement trip efficiency strategies
  - Idle reduction, speed reduction, maintenance improvements, trip chaining, carpooling, telecommuting or teleconferencing, cycling and walking
  - Offset cost of vehicle replacements to purchase fuel efficient vehicles and advanced power-train vehicles
  - Use alternative fuels with incentive to purchase New Mexico produced fuels
  - Offer ride-finding services and low-cost rideshare vans
  - Sponsor employee transportation events that reward those who reduce VMT
  - Encourage alternative transportation use in communities, municipalities and educational institutions
- State of New Mexico funds Alternative Fuels Acquisition Act Implementation:
  - Develop a process to launch the Alternative Fuels Acquisition Act of 1992 to include compressed natural gas, propane, ethanol, biodiesel, hydrogen, electric and fuel-efficient vehicles
  - Enable public entities to procure alternative fuel and fuel efficient vehicles
  - Support the 5% biodiesel governmental and state-wide legislation and Governor's Executive Orders by funding of public biodiesel infrastructure throughout the state
  - Develop incentives to expand the use of biofuels state-wide by the public
- Promote biofuels that are produced regionally and sustainably
- Promote production of biofuels gasification
- Promote cycling, walking or carpooling to school educational and safety programs to encourage VMT reduction, alternative transportation use and promote health
- Encourage multi-modal transportation solutions
- Assist k-12, college and university institutions reduce fuel consumption, replace conventional diesel fuel and supporting replacement of conventional diesel with biodiesel or alternative fuel, for example propane or natural gas
- Encourage student use of public transport, car pooling, cycling and walking through advertising

**2. Energy Education**

- Educate citizens about the true costs of transportation (monetary and environmental).
- Conduct outreach and public education efforts to expand the use of alternative fuels and reduction of VMT statewide

**3. Policy, Planning, and Energy Security**

- Provide technical assistance to public and private fleets
- Propose policies to encourage and enhance transportation fuel conservation, efficiency and renewable fuel use and promote and expand alternative fuel use

DOE F 540.1  
(08/05)

**U.S. Department of Energy  
STATE ENERGY PROGRAM (SEP)  
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126  
Expiration Date: 06/30/08

(Grant Number: EE00108)

Market Title: Clean Fuels and Efficient Transportation

## 7. Program Year Milestones\* :

	Milestone	Planned (Number)
1	Plan and develop implementation strategy	1
2	Select applicant/project(s)	10
3	Provide training for project implementation	10
4	Prepare contract and Implement project	10
5	Assess results from project reports	10
6	Specify outreach and education needs and develop approach	2

## 8. Standard metrics (required)\*\*

	JOB METRICS	Planned
Jobs Created		12
Jobs Retained		7
<b>Total Jobs</b>		<b>19</b>

## 9. Specific metric activity (required)\*\*

	SPECIFIC METRICS	Planned
<b>Transportation</b>		
Energy-efficient traffic signals installed		
Signals installed		3,000

## 10. User specified metrics (optional)\*

	METRICS	Planned

## 11. Program Year Funds by Source\*

<b>a. SEP Grant (all funds in the approved budget)</b>		
DOE		\$7,000,000.00
<b>Market Budget Total</b>		<b>\$7,000,000.00</b>
<b>b. Leveraged funds anticipated (outside approved budget)</b>		

DOE F 540.1  
(08/05)

**U.S. Department of Energy**  
**STATE ENERGY PROGRAM (SEP)**  
**NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126  
Expiration Date: 06/30/08

(Grant Number: EE00108)

Market Title: Energy Efficiency Program

## 1. Market (choose one):

- |  |   |
|--|---|
| <input type="checkbox"/> Buildings                           | <input type="checkbox"/> Industry                             |
| <input type="checkbox"/> Electric Power and Renewable Energy | <input type="checkbox"/> Policy, Planning and Energy Security |
| <input checked="" type="checkbox"/> Energy Education         | <input type="checkbox"/> Transportation                       |

2. State: NM

3. Program Year: 2009

Date Start: 04/23/2009 Date End: 04/30/2012

## 4. Topics Involved in the Overall Program Market (choose all that apply):

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Agriculture  | <input checked="" type="checkbox"/> Federal Energy Management Program      | <input checked="" type="checkbox"/> Procurement of efficient products ** |
| <input type="checkbox"/> Alternative Fuels                                  | <input type="checkbox"/> Federal, state and local facilities               | <input checked="" type="checkbox"/> Public information                   |
| <input checked="" type="checkbox"/> Appliance efficiency and standards      | <input checked="" type="checkbox"/> Financing energy programs              | <input checked="" type="checkbox"/> Rating and labeling                  |
| <input type="checkbox"/> Bioenergy and biobased products                    | <input checked="" type="checkbox"/> Fuel cells                             | <input type="checkbox"/> Rebuild America                                 |
| <input checked="" type="checkbox"/> Biomass Power                           | <input checked="" type="checkbox"/> General energy efficiency for industry | <input checked="" type="checkbox"/> Residential buildings                |
| <input type="checkbox"/> Building America                                   | <input checked="" type="checkbox"/> Geothermal                             | <input type="checkbox"/> Right turn on red **                            |
| <input type="checkbox"/> Carpools, vanpools, and ridesharing **             | <input checked="" type="checkbox"/> Green power programs                   | <input checked="" type="checkbox"/> Schools                              |
| <input type="checkbox"/> Clean Cities                                       | <input type="checkbox"/> Heavy vehicles and trucks                         | <input checked="" type="checkbox"/> Solar power                          |
| <input checked="" type="checkbox"/> Climate change planning                 | <input type="checkbox"/> Home energy ratings                               | <input checked="" type="checkbox"/> State energy strategic plans         |
| <input checked="" type="checkbox"/> Combined heat and power                 | <input type="checkbox"/> Hydrogen  | <input type="checkbox"/> Telecommuting                                   |
| <input checked="" type="checkbox"/> Commercial buildings                    | <input type="checkbox"/> Hydropower  | <input type="checkbox"/> Thermal **                                      |
| <input checked="" type="checkbox"/> Curriculum development                  | <input checked="" type="checkbox"/> Industrial processing                  | <input type="checkbox"/> Traffic signals                                 |
| <input checked="" type="checkbox"/> Demand reduction                        | <input checked="" type="checkbox"/> Industries of the future               | <input type="checkbox"/> Transmission and infrastructure reliability     |
| <input checked="" type="checkbox"/> Distributed energy generation           | <input checked="" type="checkbox"/> Lighting **                            | <input type="checkbox"/> Transportation alternatives                     |
| <input checked="" type="checkbox"/> Energy and environment                  | <input type="checkbox"/> Low-income Weatherization                         | <input type="checkbox"/> Waste management and recycling                  |
| <input checked="" type="checkbox"/> Energy building codes                   | <input type="checkbox"/> Manufacturing                                     | <input type="checkbox"/> Water systems                                   |
| <input checked="" type="checkbox"/> Energy consumption and price statistics | <input type="checkbox"/> Motors and other industrial systems               | <input type="checkbox"/> Wind energy                                     |
| <input checked="" type="checkbox"/> Energy emergency planning               | <input checked="" type="checkbox"/> Performance contracting                |  |
| <input checked="" type="checkbox"/> ENERGY STAR                             | <input checked="" type="checkbox"/> Policy and energy legislation          |  |

5. Estimated Annual Energy Savings : 72,000.00 MBtus

6. Description (executive summary of goals and objectives)\* :

**U.S. Department of Energy**  
**STATE ENERGY PROGRAM (SEP)**  
**NARRATIVE INFORMATION WORKSHEET**

(Grant Number: EE00108 )

Market Title: Energy Efficiency Program

**Program Area: Energy Efficiency**

**Markets:**

**1. Buildings**

- Energy Codes (Adopt IECC 2009 and ASHRAE 90.1-2007)
- Green Building Professional's Training
- "Green Up" existing public buildings (i.e. retrofits)
- Commercial audits/abridged (or unabridged) renovations
- Non-low income residential audits/energy saving measures
- New Construction
  - Public buildings
  - Commercial (building on Sustainable Building Tax Credit)
  - Residential (building on Sustainable Building Tax Credit)
- Promote and support the use of the Energy Efficiency and Renewable Energy Bonding Act/Qualified Energy Conservation Fund (QECF)

**2. Energy Education**

- Statewide professionals training
- Green Collar workforce development
- Energy Codes Inspector's training
- General Public Outreach and Education
  - Appliance rebates
  - Utilities' programs

**3. Industry**

- Combined Heat & Power
- Facility-Managers/Energy-Managers Education & Training
- Industry audits, abridged (or unabridged) renovations, & recognition programs

**4. Policy, Planning, and Energy Security**

- Development of zoning and other land use guidelines to promote energy efficient land use development.
- Community comprehensive plans that emphasize and promotes energy efficiency
- Utility demand-side policy promotion and expansion.

**5. Transportation**

- Support projects that interface between conventional or renewable electrical power sources and plug-in electric vehicles
- Provide photovoltaic power production structures with rain catchment systems as covered parking for electric vehicles

DOE F 540.1  
(08/05)

**U.S. Department of Energy  
STATE ENERGY PROGRAM (SEP)  
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126  
Expiration Date: 06/30/08

(Grant Number: EE00108)

Market Title: Energy Efficiency Program

## 7. Program Year Milestones\* :

	Milestone	Planned (Number)
1	Plan and develop implementation strategy	1
2	Coordinate with RLD CID to adopt new building codes	1
3	Select applicant/project	10
4	Provide training for project implementation	10
5	Implement projects	10
6	Assess results from project reports	10
7	Report quarterly progress on building code adoption	12
8	Specify outreach and education needs and develop approach	2

## 8. Standard metrics (required)\*\*

	Planned
<b>JOB METRICS</b>	
Jobs Created	65
Jobs Retained	65
<b>Total Jobs</b>	<b>130</b>

## 9. Specific metric activity (required)\*\*

	Planned
<b>SPECIFIC METRICS</b>	
Clean Energy Policy	
Other policies developed or improved	
Policies developed	0
Policies improved	3

## 10. User specified metrics (optional)\*

	Planned
<b>METRICS</b>	

## 11. Program Year Funds by Source\*

<b>a. SEP Grant (all funds in the approved budget)</b>	
DOE	\$19,000,000.00
<b>Market Budget Total</b>	<b>\$19,000,000.00</b>
<b>b. Leveraged funds anticipated (outside approved budget)</b>	

DOE F 540.1  
(08/05)

**U.S. Department of Energy  
STATE ENERGY PROGRAM (SEP)  
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126  
Expiration Date: 06/30/08

**(Grant Number: EE00108 )**

Market Title: Renewable Energy

1. Market (choose one):

<input type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input checked="" type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: NM

3. Program Year: 2009

Date Start: 04/23/2009 Date End: 04/30/2012

4. Topics Involved in the Overall Program Market (choose all that apply):

<input checked="" type="checkbox"/> Agriculture	<input checked="" type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input checked="" type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input checked="" type="checkbox"/> Financing energy programs	<input checked="" type="checkbox"/> Rating and labeling
<input checked="" type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input checked="" type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input checked="" type="checkbox"/> Green power programs	<input checked="" type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input checked="" type="checkbox"/> Heavy vehicles and trucks	<input checked="" type="checkbox"/> Solar power
<input checked="" type="checkbox"/> Climate change planning	<input checked="" type="checkbox"/> Home energy ratings	<input checked="" type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input checked="" type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input checked="" type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input checked="" type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input checked="" type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input checked="" type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input checked="" type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input checked="" type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input checked="" type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input checked="" type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 400.00 MBtus

6. Description (executive summary of goals and objectives)\* :

DOE F 540.1  
(08/05)

**U.S. Department of Energy**  
**STATE ENERGY PROGRAM (SEP)**  
**NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126  
Expiration Date: 06/30/08

(Grant Number: EE00108 )

Market Title: Renewable Energy

**Program Area: Renewable Energy****Markets:****1. Buildings**

- Professional training for installing and inspecting solar systems
- Commercial audits/abridged (or unabridged) renovations, including solar thermal
- Non-low income residential audits/energy saving measures including solar thermal
- New construction and retro homes
  - Public buildings and residential homes
  - Commercial (STC, SGRT, Renewable financing)
  - Residential (STC, SBRT, renewable financing)
- Promote and support the use of the state Energy Efficiency and Renewable Energy Bonding Act, the federal Qualified Energy Credit Fund Bond Program and other recently enacted state legislation.
- Outreach and education
  - Commercial, residential and public buildings
  - Federal and state incentives

**2. Electric Power and Renewable Energy**

- Promote and support the use of the state Energy Efficiency and Renewable Energy Bonding Act, the federal Qualified Energy Credit Fund Bond Program and other recently enacted state legislation
- Non-low income residential audits/energy saving measures, including solar thermal
- "Green Up" of existing and new schools, including solar
- Commercial audits/abridged (or unabridged) renovations, including solar thermal
- Statewide geothermal resource assessment database
- Promote biomass-fueled systems near wood pellet production facilities
- Foster rural community support for a central biomass gasification facility

**3. Energy Education**

- Professional training for installing and inspecting solar systems
- Commercial, residential and public buildings
- Outreach for State and federal incentives

**4. Industry**

- Commercial audits/abridged (or unabridged) renovations to include solar thermal
- NM Rural Electric Cooperative Association EE program
- NM Investor Owned Utility EE program
- Develop biomass-to-heat commercial greenhouse projects
- Assist rural and existing greenhouses to convert to biomass heating systems where feasible
- Encourage local and regional use of wood pellets by funding start up pellet distribution systems where pellets are locally produced

Assist communities create a demand where businesses that sell pellet stoves and where the fuel supply is available to promote wood pellet distribution and delivery systems

DOE F 540.1  
(08/05)

**U.S. Department of Energy**  
**STATE ENERGY PROGRAM (SEP)**  
**NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126  
Expiration Date: 06/30/08

(Grant Number: EE00108 )

Market Title: Renewable Energy

## 7. Program Year Milestones\* :

Milestone		Planned (Number)
1	Plan and develop implementation strategy	1
2	Select applicant/project(s)	10
3	Provide training for project implementation	10
4	Implement projects	10
5	Assess results from project reports	10
6	Specify outreach and education needs and develop approach	2

## 8. Standard metrics (required)\*\*

JOB METRICS	Planned
Jobs Created	1
Jobs Retained	1
<b>Total Jobs</b>	<b>2</b>

## 9. Specific metric activity (required)\*\*

SPECIFIC METRICS	Planned
<b>Renewable Energy Market Development</b>	
<b>Renewable energy systems installed, by energy type</b>	
Number of systems installed (Solar energy)	2
Size of systems installed (Solar energy)	15
Number of systems installed (Other renewable energy)	1
Size of systems installed (Other renewable energy)	10

## 10. User specified metrics (optional)\*

METRICS	Planned

## 11. Program Year Funds by Source\*

<b>a. SEP Grant (all funds in the approved budget)</b>	
DOE	\$4,509,525.00
<b>Market Budget Total</b>	<b>\$4,509,525.00</b>
<b>b. Leveraged funds anticipated (outside approved budget)</b>	

\*Please use additional pages if more space is needed.

\*\*Mandatory requirement