

Rebuild Philadelphia Action Plan

PROGRAM MANAGEMENT

Vision Statement

Through interdepartment, community and private partnerships, the City of Philadelphia will utilize renewable and energy efficient technology in transforming facilities into energy saving buildings. These buildings will serve not only to increase awareness about indoor air quality, pollution control, and resource management, but will also serve to improve working conditions, increase community outreach, and stimulate economic investment and employment opportunity in sustainable development.

Rebuild America initiatives complement the Rendell Administration's approach to the year 2000 which includes job creation (30,000 to date), mobilization of community involvement, and an effort to "squeeze every nickel" through effective management and cost saving measures. Rebuild Philadelphia will also address welfare reform challenges by encouraging job training and welfare to work initiatives.

These building efforts will provide the community at large with blueprints, training models, and resources for replicating and transferring advanced technology and energy saving applications for use in any or all future public and private development activities.

Management

The Municipal Energy Office will serve as the City's primary Rebuild America contact, and provide overall program management. Initially, MEO will coordinate planning and building design efforts with the Capital Program Office, the Office of Policy and Planning, the Recycling Office, and the Office of Housing and Community Development. MEO will assist in identifying and prioritizing a core set of retrofit projects for City facilities, and work with all Departments in implementing MEO developed energy efficient building design standards.

MEO's management role is designed to build on its experience in running a successful EPA Green Lights Program, monitoring City utility accounts, assessing and replacing buildings systems (e.g., boilers, chillers, and motors), developing specifications for red light emitting diodes for use in traffic signals, and establishing energy efficient building specifications for commercial buildings.

MEO management will subsequently include the identification of energy related economic development opportunities, expansion of community partnerships, and the development of a Citywide energy-efficient/renewable buildings map and resource list.

Marketing

As Rebuild America principles are developed and utilized in building retrofits and new construction, MEO will turn each successfully "Rebuilt" facility into a blueprint for energy efficient and green project applications. MEO will coordinate with builders and developers in adapting the new energy standards for use in other community projects.

Marketing efforts will also build on the Rendell Administration's commitment to mobilize community involvement. MEO will provide sustainable development information in assisting the 13 corporate/community partners under the Philadelphia Plan who are stabilizing Philadelphia neighborhoods, and supporting the Office of Housing and Community Development in its effort to provide technical assistance to Community Development Corporations.

Additionally, MEO will serve to Build and Rebuild community outreach, develop a library of energy-smart business and development plans, publicize energy savings, energy management practices and applications of renewable technologies and materials, and develop educational pamphlets and resource lists which highlight the City's Rebuild partners.

PROGRAM GOALS AND OBJECTIVES

Forming Partnerships

Through cooperation and coordination, the City of Philadelphia's Rebuild America partners will strive to increase energy efficiency benefits, expedite project replication, and maximize funding leveraging opportunities.

City agencies, departments, or affiliates

- C Capital Program Office (anticipated)
- C Commerce Department (anticipated)
- C Empowerment Zone (anticipated)
- C Free Library
- C Mayor's Business Action Team (anticipated)
- C Office of Housing & Community Development
- C Philadelphia School District (anticipated)
- C Philadelphia Zoo (anticipated)
- C Policy & Planning (anticipated)
- C Recycling Office
- C Streets Department
- C Water Department

Other Government partners

- C Department of Energy
- C Environmental Protection Agency
- C Oak Ridge National Laboratory

- C Philadelphia Housing Authority
- C Philadelphia Industrial Council

Community partners

- C Center City District (anticipated)
- C ECA (anticipated)
- C GRASP
- C Philadelphia Assoc. of Community Development Corps. (anticipated)
- C Philadelphia Interfaith Action(anticipated)
- C Philadelphia Plan partners (anticipated)

Private sector partners

- C Chamber of Commerce (anticipated)
- C EPRI
- C Kelly Maiello Architects
- C PECO Energy Company
- C University City Science Center (anticipated)

Identifying Rebuild projects

Core city Rebuild facilities

- C Northeast Regional Library (pilot building) [anticipated completion date - April '98]
- C Additional Branch Libraries
- C Recreation facilities
- C Riverview (senior facility)
- C Police and Fire stations

Additional city Rebuild facilities

- C Water Department facilities
- C Office of Housing & Community Development projects
- C --% of new construction

Private Commercial Rebuild facilities

- C PECO Energy Company

Community based Rebuild projects

- C Peoples Emergency Center (10 single family rowhomes rehabbed by GRASP)
- C Energy Coordinating Agency (office building)

Project	Annual kWh reduction	Financing	Emission reductions (kgx1000)
Aladdin	4,680,000	\$350,000 (Productivity Bank) Payback= 2 yrs.	CO2= 3,396.5 SO2= 38.4 NOx= 12.2
Green Lights	20,000,000	\$10-12 million (capital funds) Payback - 5-6yrs	CO2= 14,515.1 SO2= 164.0 NOx= 52.0
LED Traffic Signals	9,500,000	\$3.6 million (capital funds and PTI grant) Payback- 4-5yrs.	CO2= 6,894.7 SO2= 77.9 NOx= 24.7

Sustainable building technologies

- C Thermal Ice Storage -Northeast Regional Free Library (Rebuild America & Energy Star Building pilot)
- C Spray Applied Cellulose Wall Insulation - Peoples Emergency Center (demonstration project)
- C Domestic Water & Forced Air Space Heating combination - Peoples Emergency Center (demonstration project)

Renewable energy applications

- C (to be announced)

Recycled and Pollution prevention building materials

- C Pavement coating
- C Concrete units
- C Insulated Concrete blocks
- C Low emissivity coatings (windows)
- C Gypsum board
- C Carpet Tile
- C Low VOC paint and varnish
- C Plastic toilet components
- C Super efficient refrigerators

Aggregate Energy Savings

- C Aladdin interim light replacement program (annual savings of \$470,000 starting from 1997)
- C EPA Greenlights (11 million square feet by the year 2000 is projected to result in annual savings of \$2 million)
- C Red light emitting diode (LED) traffic signals (annual savings of \$800,000 starting in 1999)
- C Natural gas chiller replacements (annual savings of \$71,000 starting in 1998)
- C Negotiated utility agreements (up to \$44 million over the next eight years (electric) , and \$1 million over the next four years (steam))

Natural Gas Chillers (2) \$350,000 incremental cost (capital funds) Payback - 4 yrs. No CFCs

Aggregate Air Quality Improvements

- *expressed in (kg x 1000)
- C -- reduction in VOCs (indoor and ground level ozone)
- C 88.9 reduction in NOx
- C 24,806.3 reduction in CO2
- C 280.3 reduction in SOx
- C -- reduction in CO
- C -- reduction in PM
- C -- reduction in Pb

Capital sources

- c City capital funds, including productivity bank loans (cost savings used for project expansion)
- c Private partnerships

City of Philadelphia: Target Facilities/Projects, Phasing & Measures

Target Facilities & Projects (City-wide)

Facility / Project Description	Total Units/Sq.Ft.	Annual Usage	Annual Cost	Retrofit Cost	Annual Savings
Municipal facilities	11 million	300 million kWh	\$24.7 million		\$3.7 million
Residential projects					
Commercial / Institutional facilities					

Candidate Facilities & Projects (*Subset of Target buildings*)

Candidate	Total Units/Sq.Ft.	Annual Usage	Annual Cost	Retrofit Cost	Annual Savings
Prime Municipal facilities	5.5 million	150 million kWh	\$12.4 million	\$9.3 million	\$1.86 million
Public assisted residential projects					
Prime Commercial / Institutional facilities					

Phasing for Selected Facilities & Projects (*subset of candidate buildings*)

Selections	Year 1 Units/Sq.Ft.	Year 2 Units/Sq.Ft.	Year 3 Units/Sq.Ft.	Year 4 Units/Sq.Ft.	Year 5 Units/Sq.Ft.
15 Municipal facilities	2 facilities	2 facilities	3 facilities	4 facilities	4 facilities
1,000 residential units	20 units	200 units	250 units	250 units	280 units
1,000,000 square feet of commercial / institutional facilities	-----	250,000 SF	250,000 SF	250,000 SF	250,000 SF

Energy Efficient Measures & Materials

Selected Buildings	Efficient lighting	HVAC	EMCS	Building shell	O&M improvements	Green materials/ Renewable energy
Municipal Facilities	XXXXX	XXXXX	(some)	(some)	XXXXX	XXXXX
Residential Units	XXXXX	XXXXX		XXXXX	(some)	XXXXX
Commercial / Institutional	XXXXX	XXXXX	(some)	(some)	XXXXX	XXXXX

***indicates new construction**

City of Philadelphia: Actions, Responsibilities & Resources

Partners

City Depts.	Government	Community	Private sector
<ul style="list-style-type: none"> ☐ Municipal Energy Office (MEO) ☐ Office of Housing & Community Development (OHCD) ☐ Recycling Office ☐ Free Library ☐ Water Department 	<ul style="list-style-type: none"> ☐ Department of Energy (DOE) ☐ Environmental Protection Agency (EPA) ☐ Oak Ridge National Laboratory (ORNL) 	<ul style="list-style-type: none"> ☐ Grass Roots Alliance for a Solar Pennsylvania (GRASP) 	<ul style="list-style-type: none"> ☐ PECO Energy Company ☐ Kelly/Maiello Architects ☐ Electric Power Research Institute (EPRI)

Actions & Responsibilities *(planning, management & technical support)*

	City Depts.	Government	Community	Private sector
Management	Overall: MEO Pilot: MEO & Free Library	Overall: DOE	Peoples Emergency Center (PEC) 10 row homes: GRASP	Pilot: PECO, Kelly/Maiello, & EPRI
Data Collection & Analysis	Overall: MEO Pilot: MEO & Free Library (historical)	Pilot: ORNL (computer modeling)	PEC: GRASP	Pilot: PECO (audit & analysis)
Monitoring	Overall: MEO Pilot: Free Library	Pilot: ORNL (computer modeling)	PEC: GRASP	Pilot: PECO
Financing Expertise	Overall: MEO Pilot: Free Library (grant supported) OHCD-public assisted housing		PEC: OHCD Community Development Block Grant & private grant	Pilot: PECO
Education & Marketing	Overall: MEO Pilot: Free Library ("Big Change" Campaign) and MEO	Overall: DOE (supporting) Pilot: DOE & EPA (supporting)	PEC: GRASP reports & presentations	Pilot: PECO (video production)

Resources *(staff, capital investment, and business strategies)*

	City Depts.	Government	Community	Private sector
Start-up	Overall: MEO - Director (10%), Chief Engineer (20%), and 2 staff members (30%) Pilot: Free Library-2 staff, 2 consultants, and PR Director Professional staff from each Department as necessary	Overall: DOE - 1 to 2 staff and 1 consultant Pilot: DOE - 1 staff, 1 consultant, and marketing support	Individual staff (project specific)	Pilot: PECO-3 staff, equipment discounts, and marketing support. EPRI- 1 staff Kelly/Maiello-2 staff
Long term	MEO-works with capital planning for project opportunities, conducts partnership outreach, establishes and maintains Rebuild project map and resource directory	DOE- on-going technical support		
Capital Investment & available resources	<ul style="list-style-type: none"> ☐ City Capital Program ☐ City Productivity Bank ☐ Community Development Block Grant ☐ Empowerment Zone 		Research grants	Private capital ESCOs Utility incentives

City of Philadelphia: Verifying & Evaluating Results

Partners

City Depts.	Government	Community	Private sector
C Municipal Energy Office (MEO) C Office of Housing & Community Development (OHCD) C Recycling Office C Free Library C Water Department	C Department of Energy (DOE) C Environmental Protection Agency (EPA) C Oak Ridge National Laboratory (ORNL)	C Grass Roots Alliance for a Solar Pennsylvania (GRASP)	C PECO Energy Company C Kelly/Maiello Architects C Electric Power Research Institute (EPRI)

Verifying Results (*monitoring approaches*)

	City Depts.	Government	Community	Private sector
Collecting Baseline data (pre-retrofit)	Overall: MEO (historical)			Pilot: PECO (private firm data & submeter)
Monitoring (post-retrofit)	Overall: MEO (monthly use & payments)			Pilot: PECO (private firm data)
Special Monitoring (trial technologies)	MEO (modeling and use)	ORNL (computer modeling support)	Energy experts (residential trial technologies)	Pilot: PECO (installation of trial technologies)
Analysis & Reporting	Overall: MEO Pilot: Free Library (support)	DOE (support)	Individual project support	Pilot: PECO (support)

Evaluating & Reporting

Baseline data (pre-retrofit)	C MEO FASER software (energy use/cost data for past 3 years) C Audit and report of pre-retrofit systems and proposed improvements
Continuing Monitoring	C Whole buildings - total monthly energy use and cost data for each project C End Use - HVAC & lighting system monitoring
Special Monitoring	C Trial Technologies : 1) initial trial for thermal ice storage in City facility, & 2) initial trial for spray cellulose insulation & combo water and forced air space heating in a publicly assisted residential housing project C Green materials / renewable energy: initial trial for low VOC paints, recycled plastic (as wood replacement), etc.
Reporting requirements	C Basic Information - Project identification, total area, capital cost, energy & cost performance/savings, and emission reductions C Schedule - Semi-annual reports to partners and Rebuild America

City of Philadelphia: Promotion & Expansion

Partners

City Depts.	Government	Community	Private sector
C Municipal Energy Office (MEO) C Office of Housing & Community Development (OHCD) C Recycling Office C Free Library C Water Department	C Department of Energy (DOE) C Environmental Protection Agency (EPA) C Oak Ridge National Laboratory (ORNL)	C Grass Roots Alliance for a Solar Pennsylvania (GRASP)	C PECO Energy Company C Kelly/Maiello Architects C Electric Power Research Institute (EPRI)

Promotion (target groups)

	City Depts.	Government	Community	Private sector
Recruitment	Overall: MEO Residential: OHCD Green Businesses: Recycling Industry: Water Department	DOE: support		PECO: utility affiliates
Public Awareness	Overall: MEO Free Library: educational materials	DOE: support	Individual project support Community news	PECO: advertising support
Training / Workshops	Overall: MEO Residential: OHCD Green materials: Recycling	DOE: support, co-sponsorship, and video conference capabilities	Individual project support	PECO & EPRI: support
Recognition & Awards	Overall: MEO	DOE: support		PECO & EPRI: support

Expansion Activities

Recruitment	<u>Materials</u> - Partnership Pledge <u>Activities</u> - Identify potential partners, develop program presentation, identify economic development opportunities
Public Awareness	<u>Materials</u> - Press releases, articles, radio announcements, pilot program video, project kiosks, web site information <u>Activities</u> - Presentations (with video), School outreach, mailings (utility inserts & announcements), and "Ground breaking" ceremonies
Training / Workshops	<u>Materials</u> - Product specifications, reports, project slides & videos, creation of Rebuild Projects Map and Resource Guide <u>Activities</u> - 1 day workshops (small business development & Empowerment Zone), conferences, speaking engagements
Recognition & Awards	<u>Materials</u> - Project specific promotional materials that identify partners, Rebuild Projects Map, Resource Guide <u>Activities</u> - Annual Earthday awards, Sustainable Development Achievement awards, Economic Development awards, project placards, video productions

Partners

City Depts.	Government	Community	Private sector
C Municipal Energy Office (MEO) C Office of Housing & Community Development (OHCD) C Recycling Office C Free Library C Water Department	C Department of Energy (DOE) C Environmental Protection Agency (EPA) C Oak Ridge National Laboratory (ORNL)	C Grass Roots Alliance for a Solar Pennsylvania (GRASP)	C PECO Energy Company C Kelly/Maiello Architects C Electric Power Research Institute (EPRI)

Program Summary & Priorities

<p>Summary</p> <p>The City of Philadelphia is working to form interdepartmental, governmental, community, and private sector partnerships in an effort to transform buildings into energy saving and environmentally friendly facilities. Philadelphia's Rebuild America initiative emphasizes the educational and economic development opportunities that energy efficient technologies provide. By using efficient building systems, exploring renewable energy options, and incorporating sustainable building designs and materials, Philadelphia's Rebuild America projects will offer blueprints for savings, training, and project replication.</p> <p>Projects will be showcased in order to increase awareness about energy cost savings, improved indoor air quality, improved pollution control and resource management. Philadelphia's Rebuild America initiative will also build upon Mayor Edward G. Rendell's approach to the year 2000 which includes job creation, mobilization of community involvement, and an effort to "squeeze every nickel" through effective management and cost saving measures.</p> <p>Priorities</p> <p>Philadelphia's Rebuild America initiative will begin with projects in an identified core of city facilities: Northeast Regional Library, additional Branch Libraries, Recreational facilities, Riverview (senior facility), and Police and Fire stations. The City will build on these successes by increasing the number of city facilities in the core group. Parallel developments will take place in the community, starting with the rehabilitation of 10 low-income row homes for the Peoples Emergency Center, as well as in the private sector. Projects will emphasize energy savings and emission reductions.</p>
--

Goals & Scheduling

% of Goal by Year

Building Types	Total Sq. Ft.	Target Sq. Ft.	% Savings	Investment	Energy Savings	Cost savings	Yr- 1	Yr-2	Yr-3	Yr-4
Municipal facilities										
Comments										
Community buildings										
Comments										
Commercial/ Institutional facilities										
Comments										

CITY OF PHILADELPHIA

SUSTAINABLE ENERGY PARTNER PLEDGE

(Interdepartmental)

On Earthday, April 1997, the City of Philadelphia joined two voluntary federal programs which are dedicated to improving energy efficiency, local economies and the environment through building design, materials and equipment. These programs are the Department of Energy's Rebuild America, and the Environmental Protection Agency's Energy Star Building Program. Through the program manager, the Municipal Energy Office (MEO), interdepartmental partnerships will be established in an effort to utilize renewable and energy efficient technology in transforming government facilities into energy saving buildings. This effort will serve to increase awareness about issues such as indoor air quality, pollution control, and resource management. The City of Philadelphia's voluntary commitment is memorialized in its "living" document, the Rebuild America Action Plan ("Plan"). The City's interdepartmental partners will see that energy efficiency is smart business, and that benefits include energy cost savings and improved working conditions. Additionally, energy building programs will provide greater community benefits by stimulating economic activities in the area of sustainable development.

CITY OF PHILADELPHIA: INTERDEPARTMENTAL PARTNERSHIP PLEDGE

Through this instrument, the [City Department] pledges its support for the City's Rebuild America Action Plan, and joins the Municipal Energy Office (MEO) in promoting its objectives and goals.

MEO agrees to:

- < ensure that all DOE resources are made available to assist the [City Department] in carrying out its program;
- < coordinate and assemble a city-wide, multi-year Rebuild America Action Plan; and
- < recognize the [City Department] as an active participant in Rebuild America.

By signing this pledge, the [City Department] agrees to prepare and implement an individual action plan (sample attached) which will be incorporated into the City's comprehensive Plan. The [City Department's] action plan will:

- < identify candidate project(s) and project time frame(s) for inclusion in the City's comprehensive Rebuild America Action Plan;
- < describe the mission and priorities of the [City Department];
- < state specific energy efficiency goals and projected savings;
- < identify resources to carry out the projects;
- < identify proposed means to verify project results; and
- < coordinate with MEO on marketing and promotion activities (e.g., promote Rebuild America principles by using the Rebuild America logo to identify program applications in projects and educational materials).

ACCEPTANCE BY DEPARTMENT HEAD

By signing below, your Department pledges its support for and participation in the City of Philadelphia's Rebuild America Action Plan.

Signature: _____
Name: _____
Department/Agency : _____
Location: _____

Date: _____
Title: _____
Phone: _____
Fax: _____

ADDITIONAL CONTACTS

Please identify the individual who serve as the Department's main point of contact for Rebuild America program initiatives.

Name: _____
Department/Agency : _____
Location: _____

Title: _____
Phone: _____
Fax: _____

[City Department] Rebuild America Action Plan

City-wide Vision

Through interdepartment, community and private partnerships, the City of Philadelphia will utilize renewable and energy efficient technology in transforming facilities into energy saving buildings. These buildings will serve not only to increase awareness about indoor air quality, pollution control, and resource management, but will also serve to improve working conditions, increase community outreach, and stimulate economic investment and employment opportunity in sustainable development.

Rebuild America initiatives complement the Rendell Administration's approach to the year 2000 which includes job creation (30,000 to date), mobilization of community involvement, and an effort to "squeeze every nickel" through effective management and cost saving measures.

These building efforts will also provide the community at large with blueprints, training models, and resources for replicating and transferring advanced technology and energy saving applications for use in any or all future public and private development activities.

Forming Partnerships

Through cooperation and coordination, the City of Philadelphia's Rebuild America partners will strive to increase energy efficiency benefits, expedite project replication, and maximize funding leveraging opportunities.

The [City Department's] Project Partners include:

City agencies, departments, or affiliates

[list]

Other Government partners

[list]

Community partners

[list]

Private sector partners

[list]

Project Selection

The [City Department] will build on its experience in
[prior energy related projects]

Additionally, the [City Department] will coordinate with MEO in identifying energy related economic development opportunities, and project contributions to the Citywide energy-efficient/renewable buildings map and resource list.

<u>PROJECT</u>	<u>LOCATION</u>	<u>TIME FRAME</u>
1)		
2)		

New building system technologies

[list]

Renewable energy applications

[list]

Recycled and Pollution prevention building materials

[list]

Energy Savings

CITY OF PHILADELPHIA

SUSTAINABLE ENERGY PARTNER PLEDGE

(Community & Private sector)

On Earthday, April 1997, the City of Philadelphia joined two voluntary federal programs which are dedicated to improving energy efficiency, local economies and the environment through building design, materials and equipment. These programs are the Department of Energy's Rebuild America, and the Environmental Protection Agency's Energy Star Building Program. Through the program manager, the Municipal Energy Office (MEO), community and private sector partnerships will be established in an effort to utilize renewable and energy efficient technology in transforming multifamily housing, commercial and institutional facilities into energy saving buildings. This effort will serve to increase awareness about issues such as indoor air quality, pollution control, and resource management. The City of Philadelphia's voluntary commitment is memorialized in its "living" document, the Rebuild America Action Plan ("Plan"). The City's community and private sector partners will see that energy efficiency is smart business, and that benefits include energy cost savings and improved working conditions. Additionally, energy building programs will provide greater community benefits by stimulating economic activities in the area of sustainable development.

CITY OF PHILADELPHIA: COMMUNITY & PRIVATE SECTOR PARTNERSHIP PLEDGE

Through this instrument, the [Community / Private sector partner] pledges its support for the City's Rebuild America Action Plan, and joins the Municipal Energy Office (MEO) in promoting its objectives and goals.

MEO agrees to:

- < ensure that all DOE resources are made available to assist the [Community / Private sector partner] carrying out its program;
- < coordinate and assemble a city-wide, multi-year Rebuild America Action Plan; and
- < recognize the [Community / Private sector partner] as an active participant in Rebuild America.

By signing this pledge, the [Community / Private sector partner] agrees to prepare and implement an individual action plan (sample attached) which will be incorporated into the City's comprehensive Plan. The [Community / Private sector partner's] action plan will:

- < identify candidate project(s) and project time frame(s) for inclusion in the City's comprehensive Rebuild America Action Plan;
- < describe the mission and priorities of the [Community / Private sector partner];
- < state specific energy efficiency goals and projected savings;
- < identify resources to carry out the projects;
- < identify proposed means to verify project results; and
- < coordinate with MEO on marketing and promotion activities (e.g., promote Rebuild America principles by using the Rebuild America logo to identify program applications in projects and educational materials).

ACCEPTANCE BY ORGANIZATIONAL HEAD

By signing below, your organization pledges its support for and participation in the City of Philadelphia's Rebuild America Action Plan.

Signature: _____

Date: _____

Name: _____

Title: _____

Department/Agency : _____

Phone: _____

Location: _____

Fax: _____

ADDITIONAL CONTACTS

Please identify the individual who serve as the organization's main point of contact for Rebuild America program initiatives.

Name: _____

Title: _____

Department/Agency : _____

Phone: _____

Location: _____

Fax: _____

[Community / Private Sector] Rebuild America Action Plan

City-wide Vision

Through interdepartment, community and private partnerships, the City of Philadelphia will utilize renewable and energy efficient technology in transforming facilities into energy saving buildings. These buildings will serve not only to increase awareness about indoor air quality, pollution control, and resource management, but will also serve to improve working conditions, increase community outreach, and stimulate economic investment and employment opportunity in sustainable development.

Rebuild America initiatives complement the Rendell Administration's approach to the year 2000 which includes job creation (30,000 to date), mobilization of community involvement, and an effort to "squeeze every nickel" through effective management and cost saving measures.

These building efforts will also provide the community at large with blueprints, training models, and resources for replicating and transferring advanced technology and energy saving applications for use in any or all future public and private development activities.

Forming Partnerships

Through cooperation and coordination, the City of Philadelphia's Rebuild America partners will strive to increase energy efficiency benefits, expedite project replication, and maximize funding leveraging opportunities.

The [Community / Private Sector] Project Partners include:

City agencies, departments, or affiliates

[list]

Other Government partners

[list]

Community partners

[list]

Private sector partners

[list]

Project Selection

The [Community / Private Sector partner] will build on its

experience in
[prior energy related projects]

Additionally, the [Community / Private Sector partner] will coordinate with MEO in identifying energy related economic development opportunities, and project contributions to the Citywide energy-efficient/renewable buildings map and resource list.

<u>PROJECT</u>	<u>LOCATION</u>	<u>TIME FRAME</u>
1)		
2)		

New building system technologies

[list]

Renewable energy applications

[list]

Recycled and Pollution prevention building materials

[list]

Energy Savings