

# City of Mount Rainier

## Rebuild America Action Plan

### **Vision Statement**

Through inter-governmental, community, and private partnerships, the City of Mount Rainier will use renewable energy and energy-efficient technology to transform 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 City's goals for economic and community revitalization, which includes physical rehabilitation, job creation, community participation, and an effort to cut City operating expenditures through energy cost-saving measures. The "Rebuild Mount Rainier" program will also encourage youth involvement, job training, and leadership by example.

These efforts to improve the built environment will provide Mount Rainier community and the broader area that surrounds it with options, strategies, and resource referrals for applying advanced technology and energy saving measures to future public and private rehabilitation, renovation, and development projects. This is one important aspect of a broader self-reliance and sustainable redevelopment effort that includes participation in the Cities for Climate Protection Campaign.

### **Management**

Initially, the Mayor will serve as the City's primary Rebuild America contact, and provide overall program management. He will coordinate planning and building design efforts through the City Manager, Public Works Director, and Director of Economic and Community development. Also, he will work with architects on the City's Design Review Board and with citizen planners on the Mixed-Use Town Center Design Review Committee. The City has tentatively identified and set priorities for a core set of retrofit projects for City facilities. Municipal projects will focus on renovation and retrofit of existing buildings, some of which contribute to the City's national historic district.

In 1994, the City completed a successful effort to incorporate energy efficient features in the design, construction and operation of a new City Hall building. This effort, assisted by the Maryland Office of Energy, included energy-efficient (low-e glazed) insulating windows, natural daylighting, and efficient lighting (luminaires and t-18 bulbs).

Future energy management activities will identify energy-related economic development opportunities, expand community partnerships, and develop educational materials about energy efficiency and renewable energy use in buildings throughout the City.

### **Marketing**

As Rebuild America principles are developed and used in building retrofits and new construction, the City will turn each successfully "Rebuilt" facility into a replicable model for future energy-efficient and "green project applications. The City will coordinate with builders and developers in adapting the new energy standards for use in other community projects and in suggesting revisions to county policies.

Marketing efforts will also build on the City's commitment to seek community involvement. The City will provide links to technical assistance and sustainable development information to assist private sector and community partners who are working on commercial revitalization and neighborhood stabilization. These partners may include the Mount Rainier Business Association (MRBA) and the Gateway Municipalities Community Development Corporation (GMCDC).

Also, the City will strengthen community outreach through several means. It will 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, resource lists, and web site information which highlight the City's Rebuild partners.

## **Program Goals and Objectives**

### *Forming Partnerships*

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

### *City Departments and Boards*

- \*Public Works
- \*Economic and Community Development
- \*Police
- \*Design Review Board

### *Other Government Partners*

- \*U.S. Department of Energy
- \*U.S. Environmental Protection Agency
- \*Maryland Office of Energy
- \*Prince George's County Department of Public Works and Transportation
- \*Mixed Use Town Center Design Review Committee (Maryland-National Capital Park and Planning Commission)

### *Community Partners*

- \*Sierra Club, Maryland Chapter (anticipated)
- \*Mount Rainier Computer Club (anticipated)
- \*Gateway Municipalities Community Development Corporation (GMCDC, anticipated)
- \*Habitat for Humanity, Prince George's County Chapter

### *Private Sector Partners*

- \*PEPCO Energy Company
- \*Maryland Solar Energy Industries Association (anticipated)
- \*Antares Energy Corporation (anticipated)
- \*Mount Rainier Business Association (anticipated)
- \*World Arts Focus (anticipated)

## **Identifying Rebuild Projects**

### *City Rebuild Facilities*

- \*New Police Station (retrofit, pilot building, to start FY99)
- \*Public Works Garage (retrofit)
- \*Library (retrofit/renovation)

### *Private Commercial Rebuild Facilities*

- \*Joe's Movement Emporium (World Arts Focus dance studio, anticipated)

### *Community Based Rebuild Projects*

- \*Habitat for Humanity (house-building project)

## **Sustainable Building Technologies**

(To be announced)

## **Renewable Energy Applications**

Photovoltaic lighting for parks and parking lots (anticipated)  
(Others to be announced)

**Recycled and Pollution Prevention Building Materials**

\*Low emissivity coatings (windows)

\*Others (to be announced)

**Aggregate Energy Savings**

\*Low-e windows (not yet estimated)

\*High efficiency lighting (not yet estimated)

**Aggregate Air Quality Improvements**

(expressed in kilograms)

\*X Reduction in CO<sub>2</sub> (not yet estimated)

\*Y Reduction in SO<sub>2</sub> (not yet estimated)

**City of Mount Rainier: Target Facilities/Projects, Phasing & Measures**

Facility/Project	Sq. Ft.	Annual Use	Annual Cost	Retrofit Cost	Annual Savings
Municipal facilities	30,000				
Commercial facilities	2,000				
Residential facilities	1,500				

Candidate Projects	Sq. Ft.	Annual Use	Annual Cost	Retrofit Cost	Annual Savings
Police Station	19,000				
Public Works Garage	5,000				
Habitat for Humanity	1,500				

Projects Planning	Year 1	Year 2	Year 3	Year 4	Year 5
Municipal facilities	xxxx	xxxx	19,000		
Commercial facilities			2,000		
Residential facilities		1,500			

Project Measures	Lighting	HVAC	EMCS	Bldg Shell	Mat'ls/Renew.
Municipal facilities	30,000				
Commercial facilities	2,000				
Residential facilities	1,500				