

Technical Support for Integrated Community Energy Solutions

Task 1 Outline and Approach Integrating Energy into Local Regulations and Programs

Report #2

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Submitted to



**Metropolitan Washington
Council of Governments**

Submitted by



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Integrating Energy into Local Regulations and Programs

The deliverable of this task is a report on best practices for integrating energy-related requirements into local regulations and programs. This report provides an outline of the final report.

There will be three major elements in the final report:

- Existing Local Policies -- Compile information on existing policy and program approaches in the region. Include information on legislation, regulations, local ordinances, and local policies and programs.
- National and International Policy Framework – Describe key national and international policies and issues that are relevant to potential action by COG members to facilitate implementation of district energy, CHP and microgrids.
- Best Practice Recommendations – In the context of current local policies and programs, recommend best practices from review of national and international practices to identify the types of energy-related requirements (issues/considerations) that can be considered/included in local program approaches.

Existing Local Policies

-

County Energy Policy Frameworks

Education and Outreach Programs

Land Use Planning

Community Master Planning

Integrated Community Energy Planning

Eco-District Planning

Community Energy Systems

Utility Franchising

(Establishing geographic areas for delivery of energy services by specific public or private entities)

Energy Facility Siting

(Criteria and processes for siting power plants and other energy facilities)

Municipal Utilities

(Direct role by local government in financing, owning and/or operating energy infrastructure)

Financing Assistance

-

-exempt bonding

fee deferral

Tax incentives

tax relief

tax relief

Energy Infrastructure Permitting

rights of way

permits

Compatibility

Zoning

definitions and categories

of development types

requirements

bonuses

(Allow relief from zoning restrictions on number of floors if certain energy system requirements are met.)

Building Codes

(Prescriptive requirements for design and/or performance of building systems)

Review of Building Plans

(Review of building energy plans for compatibility with County energy goals and plans.)

Energy Performance Labeling

(Require or encourage high-performance buildings through labeling programs such as LEED)

Community Energy Compatibility Standards

(Require or encourage design of building energy systems to be compatible with district energy service)

National and International Policy Framework

.S. Energy Policy

Overview

Portfolio Standards

Tax Incentives

Finance programs

-exempt bonding

Energy Policies

Policy

Air Quality

Source Review

MACT

MACT

/Institutional Solid Waste Incinerators

Climate Change

Regulation

Rate Regulation

Grid Access and Interconnection

Power Plant Siting

Operations

Procurement Policies

Energy targets

Codes

Best Practice Recommendations

-

County Energy Policy Frameworks

Education and Outreach Programs

Land Use Planning

Community Master Planning

Integrated Community Energy Planning

Eco-District Planning

Community Energy Systems

Utility Franchising

Energy Facility Siting

criteria

-specific issues

Municipal Utilities

Financing Assistance

-

-exempt bonding

fee deferral

Tax incentives

tax relief

tax relief

Energy Infrastructure Permitting

rights of way

permits

Compatibility

Zoning

definitions and categories

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load mapping

requirements

bonuses

Building Codes

Review of Building Plans

Energy Performance Labeling

Community Energy Compatibility Standards