

# MEMORANDUM OF UNDERSTANDING

Between

## **Pima Association of Governments and the United States Department of Energy**

THIS MEMORANDUM OF UNDERSTANDING is by and between *Pima Association of Governments (PAG)* headquartered in Tucson, Arizona; and the United States *Department of Energy (DOE)* with headquarters located in Washington, D.C. and the Western Regional Office located in Seattle, Washington (referred to in this document as the “Parties”).

*PAG and DOE* agree to enter into a partnership to help the region position itself as a leader in development of renewable energy, clean energy technologies, energy surety, green building techniques and sustainable technology policies and programs, initiatives and development projects. The partnership will help the region achieve this leadership through support of a number of initiatives designed to demonstrate the value of emerging clean energy technologies as well as wide-scale implementation of projects utilizing proven clean energy technologies and techniques. A project Work Group consisting of representatives of PAG’s Environmental Planning Advisory Committee and the *Tucson-Pima Metropolitan Energy Commission* as the energy advisory organization for the City of Tucson and Pima County, will support PAG in these efforts.

*DOE* is the primary Agency responsible for setting national energy policy; DOE’s Office of Energy Efficiency and Renewable Energy has a pivotal role in conducting research and developing new energy technologies, and the Western Regional Office has the responsibility to deploy those technologies throughout the Pacific States. DOE operates multiple programs to deploy energy efficiency and renewable technologies in communities.

*PAG* is an association of local, state and tribal governments within Pima County, Arizona and coordinates transportation, environmental and population growth planning efforts. PAG is governed by a Regional Council comprised of elected officials from each member jurisdiction and a representative from the State Transportation Board.

*PAG and DOE* agree that a clean, reliable, and affordable energy supply is critical to the prosperity of a community, the well being of its citizens, and the integrity of its environment. The parties further agree that development of a regional Strategic Energy Plan is a crucial step towards ensuring the continued achievement of these objectives.

*PAG and DOE* recognize that the Region offers an ideal environment in which to demonstrate how cooperative activities between the local and federal governments can support clean energy and environmental objectives, and to demonstrate how technologies, policies, and resources can be integrated into local solutions that address current and future energy challenges. A review of the Region’s energy and environmental policies, procedures, and broad stakeholder involvement can provide understanding to DOE on ways to strengthen its community-oriented programs.

The respective roles of *PAG* and *DOE* are described in Attachment A. Current areas of mutual interest to be pursued through this partnership are identified in Attachment B. A Work Plan, to specify the tactics/ action plan following from the Strategic Plan, will be developed by the Parties to this agreement and/ or stakeholders, and shall describe in detail the work to be performed.

To achieve these ends:

- 1) *DOE* will seek to provide expertise to support and assist *PAG* and other stakeholders in identifying practical technologies, policies, programs, and projects associated with specified energy objectives as jointly established herein.
- 2) *PAG* agrees to develop a Strategic Energy Plan. *PAG* agrees to provide the coordination required with local, state and federal agencies and other community stakeholders and participants, and agrees to allocate necessary staff resources to meet the objectives.

Nothing contained in this MEMORANDUM OF UNDERSTANDING shall grant to any party the right to make commitments of any kind for or on behalf of any other party without the prior written consent of that party.

As currently structured, the MEMORANDUM OF UNDERSTANDING will begin upon signature of the partners and continue until three years hence, unless otherwise agreed to by the partners.

For purposes of this MEMORANDUM OF UNDERSTANDING, the respective points of contact shall be:

*For Pima Association of Governments*  
Colleen Crowninshield  
Clean Cities Coordinator  
Pima Association of Governments  
177 North Church, Suite 405  
Tucson, AZ 85701-1187  
[ccrowninshield@pagnet.org](mailto:ccrowninshield@pagnet.org)  
(520) 792-1093

*For U.S. Department of Energy:*  
Arun Jhaveri  
Western Regional Office  
Department Of Energy  
800 Fifth Avenue, Suite 3950  
Seattle, WA 98104-3122  
[Arun.Jhaveri@ee.doe.gov](mailto:Arun.Jhaveri@ee.doe.gov)  
(206) 553-2152

IN WITNESS WHEREOF, the Parties hereto have caused this MEMORANDUM OF UNDERSTANDING to be executed as of the effective date last written below.

*Pima Association of Governments*

By: 

Gary G. Hayes, Executive Director

Date: 

*U.S. Department of Energy*

By: 

Julie Riel, Director

Western Regional Office

Date: 

## ATTACHMENT A

### ROLES AND RESPONSIBILITIES

The Parties agree to make all reasonable efforts in the following activities:

***Pima Association of Governments:***

PAG shall take all reasonable actions to ensure that the collaboration among local, state, and federal agencies, and other community stakeholders, will be guided by the goal of improving the region's quality of life. PAG agrees to make all reasonable efforts to complete any tasks developed as part of the collaboration within the time frame established for this agreement. The Parties understand that *PAG* or its members, either collectively or separately, will facilitate and oversee the development and implementation of its energy efficiency, clean and renewable energy and energy surety programs, according to a schedule mutually agreed upon by the Parties, beginning with the development of the Greater Tucson Strategic Energy Plan. Other activities identified in the Strategic Energy Plan will be facilitated by the relevant organization. However, implementation of these collaborative projects is dependent upon the capabilities and commitment of PAG, its members and other community stakeholders, as well as the availability of both personnel and financial resources.

***The U.S. Department of Energy:***

The DOE shall provide expertise to support and assist PAG and other stakeholders in identifying practical technologies, policies, programs, and projects associated with the above specified energy objectives. DOE shall provide project information, training materials, implementation tools, technical services and, when appropriate seek to leverage assistance from federal resources for the duration of this MEMORANDUM OF UNDERSTANDING. In addition, continued national lab assistance to complete on-going and planned projects will be facilitated. DOE shall facilitate technical and policy assistance phone sessions with the project Work Group for development of the Strategic Energy Plan, and *PAG*, and/or other community stakeholders for the implementation of the Plan. These sessions will also help to track the progress of specific initiatives. DOE shall also provide a minimum of quarterly on-site visits in Tucson at a mutually agreeable time and provide templates for press releases, and samples of outreach materials (articles, pamphlets, etc.) to assist PAG, or other community stakeholders with their outreach efforts.

## ATTACHMENT B

The CRITICAL AREAS and ACTIVITIES OF FOCUS include, but are not limited to:

### Critical Areas:

1. Energy Efficiency & Other Clean Energy Technologies (Combined Heat & Power “CHP”)
2. Renewable Technologies & Green Power
3. Energy Surety
4. Heat Island Causes, Effects and Mitigation
5. Sustainable Building Design, Construction, and Operation including energy codes & standards (e.g. LEED, Sustainable Energy Standard)
6. Alternative Fueled Vehicles
7. Greenhouse Gas Emissions Reduction

### Activities of Focus:

8. Community/Economic Development & Jobs Creation in Renewable Energy, Clean Energy & Related Industries
9. Financing Mechanisms (including third party financing) for Renewable Energy, Energy Efficiency and Clean Energy deployment.
10. Public/Private Partnerships Development
11. Outreach, Awareness, Education, and Training (Inhouse Staff and Community)

The Parties agree to support the following types of activities in the focus areas:

#### **Provide Planning Support**

To help the Parties in their efforts to develop a Strategic Energy Plan; and facilitate the deployment of plan strategies.

#### **Provide Training and Support**

This could include training or education of representatives of PAG, its members and/ or other community stakeholders’ staff through the national laboratories or others on opportunities and strategies to 1) identify clean energy economic and job opportunities; 2) increase the installation of renewable, energy efficient, and clean energy systems; 3) increase energy surety, and 4) expand existing sustainable building design guidelines and policies.

#### **Support/Enhance Regional Projects**

The Parties agree to explore opportunities to leverage technical and other services to “green” current major development projects within the Greater Tucson Region. Assistance is expected to identify optimum energy efficiency opportunities; alternative transportation options; green building technologies and products; and renewable/ clean energy and distributed energy options. Specific projects to be supported and the nature of the assistance to be provided will be described in a Strategic Energy Plan and Work Plan developed by the Parties and/ or stakeholders.

#### **Identify Opportunities and Publicize Successes**

The Parties agree to convene regular meetings of the project Work Group, capture results and publicize successes, and hold a regional workshop or other educational events for regional communities to exchange information on energy challenges and solutions.