

**SPRING
2002**

Energy Office Director Appointed

Craig Marks was appointed as Energy Office Director in November 2001. Prior to his appointment, he served as Executive Assistant to the Governor's Office, advising on energy related issues. Before joining Arizona state government, Craig's legal experience included seven years with a multi-state public utility corporation, three years in Washington D.C. specializing in energy law with national firms, seven years with a large Michigan gas and electric utility, and almost two years with a firm that represented Michigan industrial energy users. He is a member of the Michigan, Washington D.C., Louisiana, and Arizona bars. Craig and his wife, a native of Arizona, have resided in the Phoenix area since 1997, and are the proud parents of three sons, ages 3 to 6 years.

State Agency Partnership Benefits Arizona Schools

As a result of the Energy Office objective to promote and encourage energy conservation measures throughout the state, and the need of the School Facilities Board (SFB) to incorporate energy-saving measures in school construction projects, the agencies have partnered and appointed an energy engineer to work on school construction and repair. The engineer will review projects funded by the SFB and advise on issues related to energy consumption and conservation. Periodic energy audits for local school districts will be made at the schools' request. To ensure energy-efficiency, new school and replacement school designs will be reviewed and appropriate recommendations will be made to the SFB. For more information, contact Gary Kuykendall at 602-280-1332, or by email at garyk@azcommerce.com

Governor's "Smart Energy Usage" Campaign Reduces Energy Costs for State

In response to the Governor's *Smart Energy Usage* campaign this past summer, state agencies reduced their energy costs by five percent. The data for July and August 2001 for six key agencies demonstrated savings of over \$130,000. The Energy Office provided training workshops and technical assistance to state, university, and community college facility managers. Significant energy dollar savings were achieved by turning off lights, computers, office equipment, and by raising thermostats by two degrees or more. Efforts are underway to maintain the savings and promote another campaign this summer. For more information, contact Jim Westberg at 602-280-1434, or by email at jimw@azcommerce.com

2001 Governor's Awards for Energy Efficiency Presented

The 2001 Governor's Awards for Energy Efficiency were presented to educational institutions, local and state government entities, and individuals at the Energy Management Conference in November. Twenty-five awards were given in recognition of innovation and accomplishment in energy efficiency and energy management. The annual awards were the latest announcement in the Governor's ongoing effort to ensure adequate, reliable, and affordable energy for all Arizonans. Three state agencies and two educational institutions were specifically recognized for their exceptional accomplishments in implementing the Governor's *Smart Energy Usage* plan to reduce Arizona's demand for electricity this past summer. For more information, contact Gloria Castro at 602-280-1426, or by email at gloriac@azcommerce.com

Joint Partnership Benefits Low-Income Residents

Arizona's largest multi-family low-income home weatherization project was kicked off February 21, 2002, in Avondale. The project will save energy and provide added comfort and safety for 50 low-income, older adult households in the Vianney Villas, Section 8, Housing Complex. The U.S. Department of Energy Low-Income Weatherization Assistance Program was initiated in 1977. The Maricopa County Human Services Department administers the low-income home weatherization program for county residents; and the Foundation for Senior Living (FSAL), a non-profit Catholic charities agency, subcontracts with Maricopa County to actually perform the weatherization work on low-income homes.

The project at Vianney Villas was selected because the potential for energy savings was high. Heating and cooling units were old and inefficient, and the units needed new insulation, duct sealing, and other weatherization repairs. Generous financial support from Southwest Gas and Arizona Public Service has been combined with annual federal dollars provided by the Energy Office to ensure sufficient funding and a successful program. The City of Avondale also partnered in this project by waiving permit fees that allowed the weatherization of additional low-income housing units.

Weatherization improvements will include the replacement of gas-pack heating and cooling equipment, the addition of more efficient insulation, and duct sealing work. As a result of this project, estimated energy savings will exceed \$193 per unit per year. ▶

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Nationally, for every \$1 invested by the U.S. Department of Energy in the low-income weatherization program, \$3.89 from other federal, state, local, and private sources are leveraged. The Avondale project is a great example of how leveraging funds, combined with private-public partnership, can improve the quality of life for Arizona residents. For more information, contact Russell Clark at 602-280-8115, or by email at russellc@azcommerce.com

Energy Training Held at Low-Income Tax Credit Program Meeting

The Energy Office conducted a training presentation at the Low-Income Tax Credit Program annual kick-off meeting on February 12. Attendees were exposed to the energy requirements spelled out in the new 2002 Low-Income Allocation Program and showed great interest in how the many requirements save energy. One builder indicated that the training information was useful in all of his commercial projects. Meeting attendees included projects managers, owners, engineers, and architects representing multi-family homebuilders. For more information, contact Mark McWhirter at 602-280-1336, or by email at markm@azcommerce.com

Municipal Energy Management Program Grants Awarded

The Municipal Energy Management Program (MEMP) is designed to encourage and assist in the development and implementation of energy management programs. It helps facilitate the planning process and provides the necessary basic tools, staff training, and technical assistance for energy conservation through a simple and direct step-by-step approach. The first step is understanding where energy is being consumed and how much it costs, based on utility bill analysis and audits. The second step identifies strategies for lowering the energy bill. The third step assists in incorporating energy management into future development through an energy management plan.

As part of MEMP, the Energy Office has made funds available for energy-saving projects for which all incorporated Arizona cities, towns, counties, improvement districts, and Indian tribes with populations under 70,000 are eligible to apply. The Energy Office recently awarded grants totaling \$40,000 to the Towns of Fredonia and Camp Verde, and to the Cities of Yuma and Avondale. Grant projects include conversion of mercury vapor streetlights to energy-efficient high-pressure sodium lights, retrofitting traffic signals with light emitting diode (LED) lamps, and replacement of fixtures and lamps to reduce energy costs and improve lighting quality. The estimated yearly savings for two of the projects is \$23,000. For more information regarding the MEMP program, contact Ed Charles at 602-280-8116, or by email at edc@azcommerce.com

Habitat for Humanity Project Implements Energy Saving Ideas

The Energy Office got involved with Habitat for Humanity by helping determine the reason for higher utility bills found on some new homes in the Phoenix Chapter project at 16th Street and Southern. An extensive energy audit conducted with the assistance of local residents, produced several recommendations for saving energy and improving the comfort levels in new homes. The energy-saving ideas included duct sealing and separate duct systems for evaporative cooler and air conditioning systems. The Energy Office also worked with the subcontractors to improve installation of air conditioning equipment and insulation. Through the Energy Office involvement, Habitat for Humanity has now adopted all the energy-saving recommendations and is a participant in the EPA Energy Star Program. For more information, contact Mark McWhirter at 602-280-1336, or by email at markm@azcommerce.com

Energy Office Moves to New Suite

The Energy Office has now moved from Suite 1200 to Suite 1400 at 3800 N. Central Avenue. The move took place in December due to the reconfiguration of Commerce offices, and the creation of the new Governor's Office of Housing Development.

If you are interested in receiving this newsletter electronically, please email Gloria Castro at gloriac@azcommerce.com, or telephone at (602) 280-1426.

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