

2004 ECC Membership

Don Maez, Chair
Bill Gross, Vice Chair *Dave Melton*
Jean Arya *Mike Minturn*
Frank Burcham *Ronald Rioux*
Wayne Evelo *Pat Sedillo*

Meet Your
GovTV Host



Jean Arya

Spring Edition 2004

In This Edition:	
Water Utility Energy Optimization	ECC Program Gov TV 16
Program Pays APS to Save	Calendar of Upcoming Meetings & Events
	Who's Who in the ECC



ECC Program on GOV TV

The ECC, thanks to the Facilities, Energy, and Security Services Division of the City of Albuquerque, has a regular monthly program on GOV TV, the local government access cable channel 16. A different energy related topic is discussed each month, and the show is appropriately named Energy Matters. The first program focused on the ECC and its mission. The next one is about alternative fueled vehicles, will air on **Thursday, April 29 at 7:00 PM** and includes web sites for further information. Also stay tuned for a show on “Wind Power – Electric Generation from a Renewable Resource” and May’s discussion on Evaporative Cooling versus Refrigerated Air.

If you have an energy topic you think would suit the 30-minute or less discussion format, contact Energy Matters host Jean Arya at jeanarya@yahoo.com. We already have a list of possible shows, but are always looking for topical energy issues that matter. Watch for the show on GOV TV 16.



Water Utility Energy Optimization

City of Albuquerque,
Public Works Department

As an operating Division, the Water Utility spends approximately one third of its budget (\$5.8M) on energy (gas & electric) for pumping water. Ever since 1985, when the present two tier electric rate structure was negotiated with PNM, Water Utility Division (WUD) has been aggressively implementing energy saving measures and shifting water pumping to off-peak hours which has resulted in millions of dollars in savings. From FY97 to FY03, an average savings of \$744,121 per year has been obtained by the Utility by reducing the on-peak power usage from 14.9% (1993) to 2.8% (2001). See the chart below showing yearly water production and on-peak energy use.

Meetings and Events

April 29

PNM Energy Academy
Electric Motor Management and Lighting Fundamentals
Sheraton Uptown
2600 Louisiana NE
7:30 a.m. – 4:30 p.m.
Seminar limited to 150
Call 241-4473

May 5 - 7

Tri-State Member Co-ops Conference
Focus on Local Energy Solutions
Kachina Lodge
Taos, NM
Contact: Jill Cliburn
Cliburn Consulting,
(505) 474-7313,
jcliburn@nets.com

May 12

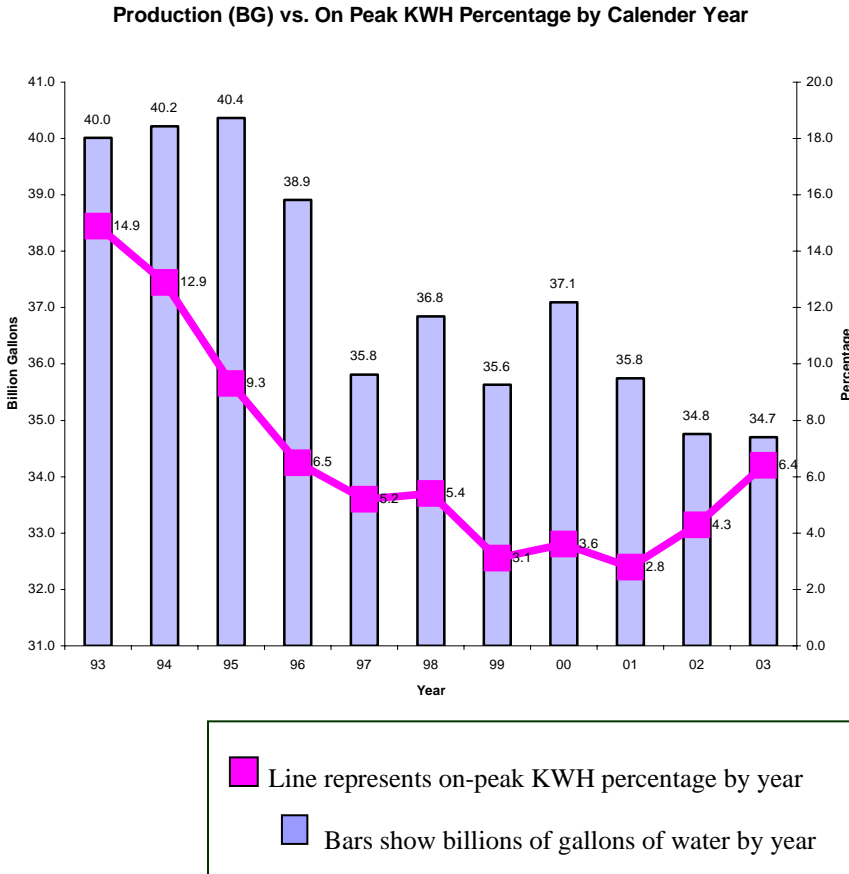
7th Annual Youth Environment Conference
Topic: Water Issues
Daniel Nieto, 845-7706
Information:
stephaniestansbury@earthlink.net

May 18

Rebuild New Mexico Bimonthly Partnership Meeting
Los Griegos Community Center, 8:00 a.m.
Presented by
Susie Marbury, LEED Accredited Professional with Environmental Dynamics Inc.
Topic: the LEED Program
For information, contact
Julie Stephens at
(505) 768-5346

In the wake of the competitive energy market, WUD has to be very aggressive in rulemaking and intervention at Public Regulation Commission (PRC) hearings just to keep the same electric rates. WUD has designed its new Advanced Water Control system to support the future vision of migrating to a real-time energy pricing structure. Clearly, WUD is prepared for real-time pricing if it should happen. This structure will allow WUD and its energy provider to exchange real time energy prices, which will provide the opportunity to obtain energy at lower costs.

For more information please contact Bagher Dayyani at WUD (857-8256).



Energy Stars:
Schools Teaching About Resource Savings

Have you heard about the innovative energy program that pays APS schools to save on their electric bills? The start of this school year saw the third year of APS's Energy Conservation Rebate Program. Unlike energy conservation efforts of the past, this program allows the schools to have a vested interest in the success of their own energy program. The pilot program, which started in the Sandia Cluster, allows each school to receive a rebate. The rebate is paid directly to the school based on their energy savings, and allows them to spend their savings how they choose.

Meetings and Events

May 19

ECC Monthly Meeting
Location:
4th Street Yards
8:00 a.m.

Optional: Tour of the Metro Detention Center,
17 miles west of Albuquerque

May 22 & 23

US Green Building Council NM Chapter

GreenBuilt Tour 2004
Overview, Design, Materials, Water & Energy.

Contact Susie Marbury,
242-6484,
susieedi@quest.net.



August 31 – September 1

Energy Technology Expo and Conference (ETEC)

Held in conjunction with the Eighth World Renewable Energy Congress, this is the first expo to bring together all branches of international renewable marketplace under one roof. Held every two years, the Congress provides an international forum that attracts more than several hundred delegates from nearly 100 countries.

Denver, Colorado

www.energytechexpo.com

The key players in this program focus on four groups at each school. One key group is the school's senior leadership. They encourage their whole staff to support the program by focusing on awareness and behavioral modification. The second key player in the program is at least one teacher who wants to bring the concepts of energy conservation to his/her students. From this, the third key group, students are encouraged to take an active role in conservation at their school. Guided by the teacher, the students take the concept of "Thought and Theory to Action and Experience" in the area of energy conservation. The fourth key group is the custodial teams at each of the schools. The program brings attention to the impact the custodians have on energy use at the schools and makes suggestions for modifying their cleaning and maintenance patterns to save energy.

Each school has an established baseline, which is their electrical use from the 2000 – 2001 school year. Each month their electrical consumption is compared to the same month of the previous year and if there is savings the school will receive one third of their total savings. Their savings are totaled and at the end of each quarter, funds are transferred directly back to the school in the program and the schools principal chooses how the funds are spent at the school.

The other two thirds of the funds are split between M&O and the Energy Conservation Program. M&O will reinvest their portion of the funds to upgrade and install more energy efficient equipment throughout the district. The third portion of the funds goes back into the Energy Conservation Program. These funds are there to support the teachers as they bring the concept of Energy Conservation to the students. If a teacher, in the program, needs energy conservation materials to enhance the educational process or wants to take their student on a field trip that focuses on energy conservation, the funds are there for them.

2001 – 2002 was the first year of the program. Nine schools saved over \$51,000 with over \$17,000 going directly back to the schools. For the 2002 – 2003 school year, the program enrolled a total of 31 schools. At the end of this school year they had saved over \$394,000 with over \$131,000 going directly back to the schools. The 1st quarter of this school year the cluster saved over \$10,000 of which over \$3,400.00 was returned to the schools for their 3-month effort to save energy.

With this active energy conservation program, M&O found a way to reinvest funds previously dedicated to just paying utility bills. M&O of APS has turned the funds toward a program that compliments the educational process in our schools and invests in more energy efficient facilities for the future of APS and its students.

The program has also found some great support from community organizations, local business and nonprofit groups such as:

Who's Who? ECC Members

*The featured members
this edition are
Frank Burcham and
Dave Melton:*

Frank Burcham has over 25 years of electric, natural gas and water utility experience including: alternative and renewable energy, energy management and consultation, market and sales development, and new product development. He directed PNM's Alternative Fuel Program from 1988-1995. He created a 510(c)(6) non-profit alternative fuels trade assn to support this industry in NM. He worked with Electric Power Research Institute (EPRI) on the application of R&D power delivery technology applications for utilities in N. America.

Dave Melton, a Pueblo of Laguna tribal member and principal of Sacred Power, is an experienced program/contract/marketing/HR/accounting manager with over 17 years experience working with high-tech industry. He has a B.A. in Economics from UNM and has over 30 hours of graduate study from UNM's School of Public Administration. Some of his other associations include: American Indian Chamber of Commerce, Rebuild New Mexico, NM Solar Industry Assn, the NM Solar Energy Assn, the Interagency Advanced Power Group, and Leadership Albuquerque Alumni Association.

Rebuild New Mexico
New Mexico Solar Energy Association
New Mexico Energy Conservation & Management Division
National Energy Education Development (NEED) Project

Albuquerque's local businesses have also joined in with the school district's efforts to bring energy conservation to our schools and their students. Key supports are:

PNM
Summit Electric
Pepsi (our local distributor)
GE Electric

For more information, please contact Ron Rioux at (505) 765-5950 x342.

Focus on Local Energy Solutions will be held in Taos, New Mexico May 6, in conjunction with a May 5-7 meeting of co-op and municipal utilities from New Mexico and Colorado. The idea behind this workshop is to put local utilities together with their "key" customers in local governments and schools. Together, they can strengthen communities through energy efficiency and bill savings.

It's a very practical program, including case studies by the people who have DONE successful projects in their communities and by the technical experts who can help. There are more than a dozen speakers on the program, including national Rebuild America partners and partners in Wind Powering America and GeoPowering the West. The workshop's main sponsors include the Western Area Power Administration, TriState Generating and Transmission Cooperative, the New Mexico Energy, Minerals, and Natural Resources Department, and Rebuild America.

The program will also address funding and financing opportunities. You will want to learn about the new Rural Utilities Service (USDA) grants program for energy projects, as well as state energy assistance, and innovative performance contracting and lease-to-own options. If you are curious about the outcome of the Western Governor's Association Energy Summit, we will also have a report for you on that, from Craig O'Hare, the Governor's Special Assistant for Renewable Energy.

Who might benefit from this exciting program?

You, school administrators, city, county, or tribal officials and more

For details on the program, registration, and directions, call Robin Wilkins (at Tri-State G&T, a cosponsor) at 303-452-6111.

*Laurie Roach edits the "Energy Conservation Council" Newsletter.
Your ideas, comments, articles, or notices of upcoming events are welcome.
Please call or email for parameters and deadlines:
LREvents@aol.com, (505) 332-0428.
For information on upcoming ECC meetings, contact Connie Tachias at
(505) 768-5345, Ctachias@cabq.gov.*