



## 2006 ECC Membership

Dave Melton, Chair

Frank Burcham  
Wayne Evelo  
Bill Gross

Suzanne Probart  
Ronald Rioux  
Howard Stephens  
Vacant

## SPRING EDITION Two Thousand and Six



**Dave Melton**  
**ECC Chair**

| H I G H L I G H T S |                                 |
|---------------------|---------------------------------|
| Energy STARS Update | Clean Cities                    |
| Energy Education    | John Soloday thanks Wayne Evelo |

### Past and Current Chairmen's Messages

“As my term as ECC Chairman comes to a close, I am pleased to say that it has been a very positive experience,” said **Wayne Evelo**, past chair as he passed the gavel to incoming chair, **Dave Melton**. The “Sustainability: A Town Hall on Albuquerque’s Energy Future” and the passing of Resolution R-05-329 “Adopting Policies to Establish and Implement a City Renewable Energy Initiative” were some of the highlights of my term. The tremendous success of the ECC during my term would not have been possible without the exceptional support of the City of Albuquerque. The COA support was provided by many city employees, but special recognition must be given to several people including Gene Bustamante, Connie Tachias, Laurie Roach, Richard Harding and more recently Ken Mitchell and John Soladay.

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### ECC Annual Report Available this Month

To learn about the efforts and activities of the ECC over the past 12 months, please ask for an electronic copy of the Annual Report. It will also be available on the ECC website soon.

### Meetings & Events

*ECC Open Meeting*

*May 17*

*Discussing implementation of resolution goals.*

*8 a.m. - 10 a.m.  
Facilities & Energy Management  
1801 4<sup>th</sup> St. NW*

*Please contact  
Connie Tachias at  
(505) 768-5345,  
[Ctachias@cabq.gov](mailto:Ctachias@cabq.gov)*



**ECC Advisory Committee:**

**Jean Arya,  
Lynn Behnfield-Thomas, Don Maez, Jim Palmer, and Julie Stephens**

## *Chairmen's Messages Continued...*

Despite the tremendous workload, turnover on the Board during my term has been very low. The only member who reluctantly retired was **Jean Arya**. Among other things, Jean was the key force behind "Energy Matters" on the GovTV 16 channel. She always provided us with quality products on the tight schedules required. Of course I still



plan to be involved with the ECC as a past chair. (John Soloday presented a plaque to Wayne at a recent meeting.)

"It is with great anticipation that I accept the chairmanship role within the ECC" said **Dave Melton**. Our Council has contributed thousands of

volunteer hours all toward the goal of making the City of Albuquerque a better, cleaner, and safer place to live. We believe that only through hard work will the fruits of our labor be seen in the beauty of our city. Blessed with natural resources, it is our duty to take care of it for the next generations. I hope you will join us in keeping it as such."

## **Energy S.T.A.R.S. Update**



*Cleveland Middle School at Roundhouse spoke to legislators about APS Energy STARS and "Schools with Sol" programs.*

**S**tudents from Cleveland Middle School traveled to Santa Fe to be part of the 'Clean Energy Moving Forward' at the Roundhouse on Friday, Jan. 26. The students are part of the

## **ENERGY SAVINGS PERFORMANCE POTENTIAL**

The EEDS Group has the challenge to develop means by which COA buildings will operate at less than or equal to 90% of the NM Building Code standards. This must be demonstrated by September 2007.

The following individuals have agreed to participate in identifying processes by which the energy efficiency objectives can be met or exceeded: The ECC-EEDS group consists of Gene Bustamante, Steve Dent, Jim Palmer, Harold Trujillo, Susie Marbury, Lynne Behnfield Thomas, and Connie Tachias. Bill Gross is the Chair.

Visit [www.cabq.gov/energy/](http://www.cabq.gov/energy/) to see continuous updates of the Energy Conservation Council page.



APS Energy S.T.A.R.S. (Schools Teaching About Resource Savings). They spoke to legislators about the importance of energy education in schools and the state funded 'Schools with Sol' program. 'These are going to be the future users of energy, creators of renewable energy options, and decision makers in our community, so it gives them a great foundation for knowledge and leadership,' said Barbara Lazar, teacher and group sponsor. The 'Schools with Sol' program provides money, through grants, to schools like Cleveland to install solar energy systems in their buildings and include renewable energy education in their curriculum. The APS energy conservation program, with 54 active schools, has saved the district more than \$293,000.00 since July through various projects. These same schools have received over \$97,000.00 BACK into school budget.

### Land of Enchantment Clean Cities Coalition



*The Land of Enchantment Clean Cities Coalition continues to work with the Mayor of Albuquerque's Alternative Fuel Task Force in the development of a City Alternative Fuels Policy for all city vehicles. The Coalition has offered to assist the Mid-Region Council of Governments on their 2030*

*Metropolitan Transportation Plan and the incorporation of alternative fuels in their long term goals. The LOECCC is also working with the City of Las Cruces on the expansion of their compressed natural gas program and station upgrade.*

## HOW TO ACHIEVE ENERGY EFFICIENCY IN BUILDING

Energy efficient design and construction can substantially reduce costs and pollution because nonrenewable energy sources of energy are expensive, potentially unstable, and create toxic wastes through their development and combustion. The long-term costs of energy to the homeowner are large, in dollars as well as in health and safety.

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### Energy Education: Hydro Cars And E-Schools



Here, teachers are learning how hydrogen is extracted from water and turned into a gas that powers a model car. With the help and support of PNM and Rebuild New Mexico, the teachers received an understanding of hydrogen and were able to build an operation hydrogen model car, which they were able to race in the halls.



**Edward Gonzales E-School**

This school was built with state support to design and build an "Energy Efficient School." Its focus is day lighting.

## *Continued – Energy Efficiency in Building*

1. Use of passive solar advantages on the building site and appropriate overhangs.
2. Efficient lighting,
3. Water conservation fixtures and appropriate placement of water heating equipment.
4. Design for appropriate insulation levels and reduce labor costs with Optimum Value Engineering (OVE) framing techniques.
5. Incorporation of wind, hydrothermal and/or active solar technologies.
6. Landscaping, trees, bushes, earth-berms providing shade and block a prevailing wind.
7. Thermostat with automatic setback for night and work times.
8. Increased insulation in exterior wall, ceiling, floors and foundation.
9. Moisture control within the building envelope to control moisture buildup.
10. Selection of energy efficient appliances.
11. Dampers on all vents, fans and chimneys.
12. Use of appropriate colored materials and coatings on exterior or roof (i.e. light colored where summer cooling climates dominate).

## **Assistance with Energy Efficiency**

Guidelines, standards and incentive programs abound for energy efficiency in residential construction. Here are some suggestions:

1. Organizations working to promote alternative energy strive to provide tax incentives and guidance to help builders and consumers more effectively incorporate renewable energy and energy efficiency into their homes.
2. Affordable housing and economic development advocates support legislative mandates and establish requirements to include energy efficiency and renewable energy into housing assisted by their programs.
3. Utility companies provide audits and incentives for energy efficiency, as well as renewable energy technology development.
4. Certification and ratings programs create partnerships between builders and federal, state, local and nonprofit organizations to enhance communities and marketability one home at a time.

Energy efficient construction may also qualify consumers for higher than normal debt-to-income ratio when calculating loan potentials, enlarging the market of potential home-buyers.

## Did You Know?

- **Did you know** - The New Mexico Energy, Minerals, and Natural Resources Department (NMEMNR) manages the “Schools with Sol” program, which has a goal to install 40 solar systems through out the state to assist teachers in renewable resources education. To date the state has provided APS with 5 systems with the help of NMEMNR, Sacred Power, PNM, Rebuild New Mexico, and APS’s own M&O Department. The state will be providing 2 more solar systems to the district this year. “The states program is focused on providing the hands-on educational tools for teachers to use and students to learn the importance of Renewable Resources and the impact systems like these will be part of our students’ life in the future.”
- **Did you know** - Hydrogen is the most basic and abundant of renewable elements; it is also the lightest of elements, which makes it much safer than gasoline, and is non-toxic?
- **Did you know** - The COA is always on the look out for talented people to participate on the ECC? The Mayor appoints members and the City Council approves their membership which is voluntary with staggered terms. The ECC operates with support of the City’s Facility and Energy Management Office. All members of the ECC are continually recruiting new potential members by increasing the awareness of the council. Resumes are always accepted, and interested individuals who feel they qualify are asked to submit their letter of interest and resume to Ken Mitchell, Facilities Manager, 1801 Fourth Street Building B, Albuquerque, New Mexico, 87102. Maybe **you** could be a part of the mission of the ECC!

**“Champions of Albuquerque’s quality of life; promoting cost effective, innovative resource management, energy education and community involvement.”**

*Laurie Roach creates 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](mailto:LREvents@aol.com), (505) 332-0428.*

*To add a colleague to the distribution or to UNSUBSCRIBE, please reply to sender.  
The ECC has open meetings on the third Wednesday of each month.*