

**CITY OF SCOTTSDALE
ENERGY ADVISORY COMMITTEE
ENVIRONMENTAL QUALITY ADVISORY BOARD**



**WEDNESDAY, NOVEMBER 1, 2006
MAIN CIVIC CENTER LIBRARY
3839 NORTH DRINKWATER BLVD; GOLD ROOM
SCOTTSDALE, 85251**

MEETING MINUTES

PRESENT: Jim Mulloy, Chair
Jimmy Leung, Vice-Chair (departed 8:31 a.m.)
Keith Thompson, Committee Member
Dave Walker, Committee Member (departed 8:25 a.m.)
Eddie Scholz, Committee Member
Penny Allee Taylor, Committee Member (Represented by Brian O'Donnell)

ABSENT: Angela Creedon, Committee Member
Joe Campodall'Orto, Committee Member
Lori Glover, Committee Member
Herjinder Hawkins, Committee Member
Steven Anderson, Committee Member

STAFF: Chuck Skidmore

OTHERS: Bill Shaeffer, Sun Clean Cities Coalition
Paul Von Paumgarten, Johnson Controls/Alliance for a Sustainable Built Environment

1) Call to Order

Chair Mulloy called the meeting to order at 7:40 a.m.

2) Roll Call

A roll call confirmed the presence of Committee members as noted above.

4) Introductions
a) people

Chair Mulloy invited attendees to introduce themselves.

- b) process
- 5) Public Comment

None.

- 6) Subcommittee Reports
 - a) Energy Plan

Mr. Walker reported that he had thus far been unable to find the existing Energy Plan, noting he may request assistance once the plan has been obtained and reviewed. Mr. Mulloy undertook to send the Committee members an electronic copy of the Scottsdale Energy Plan.

Mr. Mulloy advised the Committee that the Mayor expects the Energy Plan in early 2007.

- b) Alternative Fuels

Dr. Leung would like to coordinate a group including himself, Bill Schaeffer, Dan Johnson, and others who are interested and decide on the best direction to move towards; the catalyst for the Alternative Fuels subcommittee was the global hydrogen issue. He noted the importance of confirming Bill Schaeffer as a committee member.

- c) Benchmarking

Mr. Scholz noted that he and Mr. Skidmore were working towards acquiring information from the City in order to determine benchmarking status.

- 7) New Business

Chairman Mulloy opined one important responsibility of the committee was to determine which benchmarking procedures would best serve the City's goals. He reported that Scottsdale is LEED Gold certified for new construction; existing building processes should be analyzed.

- a) LEED EB for City facilities -

Mr. Paul Von Paumgarten, Director of Energy and Environmental Affairs at Johnson Controls and founding member of the Alliance for a Sustainable Built Environment, presented the process tools developed by Johnson Controls, which are now available to the marketplace. He led a discussion on the principles of LEED certification for existing buildings.

Mr. Von Paumgarten distributed Path To Sustainability, noting that this document discusses best practices. There is now a very cost-effective way to track greenhouse

gas emissions directly from utility bills. Automatic benchmarking for Energy Star is built into this method, representing another breakthrough.

Chair Mulloy inquired whether other cities are on this path. Mr. Von Paumgarten replied that if any are, they are in the early stages. The program was originally designed with the private sector in mind. He opined that Scottsdale has the opportunity to show other cities how to do it.

Chair Mulloy asked whether it makes sense to benchmark the entire inventory of City buildings, and how to strategize upgrades. Mr. O'Donnell remarked that they need more specific information. What would the City have to do to implement this program?

Mr. Von Paumgarten noted that the program was designed to help corporations make supply decisions for building inventory in different regions of the country. Applying this to a local model such as a city may require some adaptation.

The Green Compass and the ROI Planner help strategize and quantify retrofitting existing buildings. Green buildings have been found to operate for 50 cents to a dollar per square foot less than conventional buildings. Mr. Von Paumgarten stated that it is easier and faster to make an existing building green than to build new construction.

Chair Mulloy shared his experiences working on a LEED EB pilot project in San Diego. Mr. Von Paumgarten noted that the paybacks on existing buildings can be very quick. Chair Mulloy commented that the Committee needs to build a business case to forward through the Environmental Quality Advisory Board to the Mayor and City Council

Mr. Von Paumgarten discussed the difference between certifying new construction and an existing building. The USGBC is trying to lower the cost associated with certifying existing buildings and make this easier to achieve.

Mr. Shaeffer if there are showcase retrofitted buildings. Mr. Von Paumgarten replied that the Brengle Center in Milwaukee is an example. National Geographic was the first LEED EB recipient and used a performance contract. The value of the real estate rose by \$24 million and their bond rating improved. He discussed other examples. Mr. Von Paumgarten opined that the best strategy to design a new building should be to design the building for its life.

Mr. Paumgarten offered to stay with the Advisory Committee through this process and bring any resources he can. Scottsdale has an opportunity to get it right. A discussion on strategy ensued.

Mr. Von Paumgarten distributed the SEEC (Sustainable Energy Education Communication) handout, stating that it is an extraordinary sustainability training program that is delivered electronically.

Chair Mulloy thanked Mr. Von Paumgarten for his presentation.

3) Approve minutes of last meeting

Mr. O'Donnell clarified that his comment about rate increases included the 9 % fuel adjustment; fuel adjustments fluctuate from time to time.

CHAIRMAN MULLOY MOVED FOR APPROVAL OF THE MINUTES OF THE OCTOBER 18, 2006 MEETING AS AMENDED. SECONDED BY MR. THOMPSON, THE MOTION CARRIED UNANIMOUSLY BY A VOTE OF FOUR (4) TO ZERO (0).

8) Announcements

a) Dates and Times

After a short discussion, it was the consensus of the Committee to meet on the first Wednesday of every month at 7:30 a.m.

9) Adjournment

With no further business to discuss, the meeting adjourned at 9:17 a.m.

Respectfully submitted,

A/V-Tronics, Inc.