

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



**WEDNESDAY, JANUARY 2, 2008  
MAIN CIVIC CENTER LIBRARY  
3839 NORTH DRINKWATER BLVD; GOLD ROOM  
SCOTTSDALE, 85251**

**SUMMARIZED MEETING MINUTES**

- PRESENT:** Jim Mulloy, Chairman  
Jimmy Leung, Vice-Chairman  
Keith Thompson, Committee Member  
Dave Walker, Committee Member
- ABSENT:** Brian O'Donnell, Committee Member  
Eddie Scholz, Committee Member  
Bill Sheaffer, Committee Member
- STAFF:** Chuck Skidmore, Energy Management Engineer  
Anthony Floyd
- OTHERS:** Richard Stegeman

1) Call to Order

Chairman 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.

3) Approve minutes of last meeting

Committee Member Thompson corrected the name of the guest present at the last meeting as Bryan Beaulieu, not Brian Lewis.

**COMMITTEE MEMBER WALKER MOVED TO APPROVE THE MINUTES OF THE NOVEMBER 7, 2007 MEETING AS AMENDED. COMMITTEE MEMBER THOMPSON SECONDED. THE MOTION CARRIED UNANIMOUSLY BY A VOTE OF FOUR (4) TO ZERO (0).**

4) Public Comment

None

5) Old Business

a) Update on status of forming an energy office for the City.

Chairman Mulloy discussed Frank Gray's analysis of the Energy Plan that will be presented to Council on January 8. Mr. Gray is the General Manager of the Planning Department.

Mr. Skidmore said his understanding is that the City Manager plans to start rotating executive level directors in order to expose them to City operations. The Energy Plan may be one of the first things to be offered as an option. He felt that a successful energy officer would need to have accountability, responsibility and budget authority.

Chairman Mulloy expressed concern that the policy recommendations of the energy plan would be lost amidst the discussion on how to implement them.

Mr. Floyd noted that one provision of the Energy Independence and Security Act, recently signed into law, is to adopt Architecture 2030, which requires that the new Federal buildings achieve carbon neutrality by 2030. Mr. Floyd felt the bill offers the opportunity to communicate to the planners the importance of good energy modeling at an early stage in design, and not waiting until later to meet code requirements.

Mr. Skidmore described the performance of the new Granite Reef Senior Center. The data indicates that the building's envelope is working extremely well. Energy usage in the facility actually decreased on the hottest day of the summer, because of the solar array on the roof. The envelope was inexpensive to build, yet has proven very effective.

Committee Member Leung suggested that a report on the Senior Center be prepared to explain to City planners the advantages of good energy design. Committee Member Thompson said City Council would be able to get a better idea of the potential benefits of the energy plan if they had a case study to refer to. The report could compare a new energy efficient building such as the Senior Center, with an existing inefficient City building.

Mr. Skidmore described how early expectations that the TPC Clubhouse would be built LEED Gold were diminished once the project was no longer in the City's hands. The

architect is working to salvage at least LEED certification on it. Mr. Floyd added that it was the first experience with LEED for the project managers involved.

Committee Member Thompson suggested that the TPC Clubhouse has merit as a case study as well, since it offers lessons learned. Having an energy representative involved throughout the development process would help avoid the problems that the TPC Clubhouse project encountered.

Chairman Mulloy suggested that EQAB or one of its sub-committees could tout the success of the Senior Center as one of its future projects. Mr. Floyd noted that a graduate student approached the City to do a study on how a green building affects the attitude of the employees who work in it. Her questionnaire could possibly be wrapped into the case study.

Chairman Mulloy asked the Committee to consider whether the EAC should undertake such a project. Committee Member Thompson said a case study would demonstrate the need for an energy plan, describe the methodology used to quantify building efficiency, and explain why an Energy Office would be necessary to evaluate those efficiencies.

Chairman Mulloy said it would signal Council that they did the right thing when they adopted the LEED policy three years ago.

Mr. Skidmore said a three-minute comment card at a Council meeting could be used to make a brief report and possibly encourage an invitation to present a more developed report.

Committee Members Walker and Thompson volunteered to prepare a case study on the Senior Center for review at the next EAC meeting.

Mr. Skidmore suggested that the case study compare the Senior Center to the One Civic Center building, using data acquired on a Sunday when the buildings are not in use. That would make the point of how efficient each building envelope is; separate from variables inherent to their use.

b) Discussion and possible action on further assignments to working groups for additional work on guidance document for staff implementation of the Energy Plan 2007 Update.

Chairman Mulloy said the EAC would work on the case study project until Frank Gray has had a chance to provide feedback on the energy plan implementation.

Mr. Floyd reported that the Policy Committee of the GBAC has been working on proposed green building policy for private construction. The final draft is nearly complete. The policy would raise the bar and expectations for green private sector construction.

- c) Review and possibly act on any environmental initiatives that may have been assigned to us by EQAB since our last meeting.

None.

6) New Business

- a) Review applications for membership on the Energy Advisory Committee and possible action to recommend new members to EQAB.

Chairman Mulloy noted that Committee Member Scholz has moved away and a candidate has applied to fill his seat.

Mr. Stegeman introduced himself, noting that he is a retired space power systems engineer who worked for NASA's Goddard Space Flight Center.

**COMMITTEE MEMBER LEUNG MOVED TO RECOMMEND THAT MR. STEGEMAN BE APPROVED AS A MEMBER OF THE ENERGY ADVISORY COMMITTEE. COMMITTEE MEMBER THOMPSON SECONDED. THE MOTION CARRIED UNANIMOUSLY BY A VOTE OF FOUR (4) TO ZERO (0).**

7) Working Group Reports

Chairman Mulloy noted that the working groups are on hold until feedback could be obtained from Council.

- a) Energy Plan
- b) Clean Fuels
- c) Benchmarking

8) Announcements

- a) Meeting dates and times

Mr. Floyd noted that the next Green Building advisory meeting would be held on January 8.

- b) Others

The Committee reviewed the ethics guidelines. The Committee agreed to set future agenda topics at each meeting.

Committee Member Walker said an update on the green building case study should be agendaized for the next meeting.

Committee Member Leung suggested requesting the help of EQAB to push implementation of the energy plan.

9) Adjournment

With no further business to discuss, the meeting adjourned at 8:55 a.m.

Respectfully submitted,

A/V-Tronics, Inc.