

“Regionaire”

From the DRC

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As this is the first post CRC issue of the Regionaire, it should be noted that the CRC hosted by the Pittsburgh Chapter in August was a big success. My thanks go to Chris Larry and his CRC Committee for providing us with a wonderful meeting. Functions of note were the “Texas Hold ‘Em” Welcome Party and the Technical Sessions with over one hundred attendees. I would like to thank those who conducted the seminars, those who supported the CRC by attending, and the Pittsburgh businesses that supported the event through their sponsorships. I would also like to thank the past Director and Regional Chairmen, past and serving Directors at Large, and your regional officers for their hard work in their presentations. The event was well attended by the region’s chapter officers. However, we have a way to go to improve the attendance of our workshops for chapter committee chairs. The regional officers will be looking at how we can continue to improve the CRC Experience for our next CRC to be hosted by the Hampton Roads Chapter in Norfolk, Virginia.

One might think that the DRC would have a little time to re-energize and re-organize after the CRC. However, this was not the case. Fall is the time for Members Council Meetings in Atlanta to consider all the motions that come forward from all the CRC’s held in the fall. Over thirty five motions came before Members Council for consideration. There was also a special Board of Directors Meeting held to consider ways that the board could become more effective to continue to make ASHRAE more effective for its members.

ASHRAE President, Terry Townsend, has chosen as his theme “The ASHRAE Promise – A Sustainable Future”. We

From the DRC, continued

are all encouraged to walk the walk with him. Part of that mission is to conduct our events in a sustainable manner. I am attaching a summary of “The “GAME Letter” to this Regionaire. GAME stands for Greening ASHRAE Meetings”. This document was prepared to give ASHRAE leaders guidance in holding our events in a sustainable manner. From eliminating water glasses at meals, to donating prepared unused food to shelters, to using method of shared and public transportation; we can all demonstrate sustainability leadership to our world. After listening to Terry’s speech in Quebec City, I have replaced most of my lights at home with the new fluorescent style lamps that use one sixth the energy of the old incandescent style lamps. If all ASHRAE members collectively did the same, imagine the total energy savings. Little things can add up. If you do decide to purchase some of these lamps, I recommend you do so with some forethought. There are different light shades and the one I have found to be most acceptable is soft white. I also recommend you step up one size in wattage equivalency when replacing old incandescent bulbs. Please take a few moments and review the GAME letter and incorporate some of the recommendations when planning your net ASHRAE event.

The 2006-2007 PAOE has some new items involving sustainability. Please review this years PAOE letter and include sustainable goals in your chapter planning. A new Regional Sustainability Award will soon be announced that will honor the chapter in region with the highest Sustainability PAOE Points. Learn to think – sustainable!!

Yours in ASHRAE,
Dan



INSIDE THIS ISSUE

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Keep your chapter Website updated. It is your members up to the minute link with what is going on in your local chapter.

From the ARC

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ASHRAE issues public relations or newspaper releases almost weekly. Below are some of the titles that have been released recently.

Changes Related to ETS and Ventilation Proposed for ASHRAE 62.1

Access Door Addendum Proposed for ASHRAE BACnet Standard

ASHRAE Proposes New Moisture Control Standard

New Designations Proposed for ASHRAE Refrigerant Safety Standard

Yo! ASHRAE Video Promotes Engineering as Career

ASHRAE/ACCA Inspection, Maintenance Standard Open for Review

ASHRAE Looks to Develop Water Conservation Standard

International Code Council Takes Action on ASHRAE Proposals

Proposed Load Calculation Standard Open for Review

ASHRAE Revises Proposed Cabin Air Quality Standard

Learn to Meet, Beat 90.1 Requirements with new eLearning Course

If you would like to receive these releases please contact:
Jodi Dunlop
Public Relations
678-539-1140
jdunlop@ashrae.org
1791 Tullie Circle NE
Atlanta, GA 30329

You can view these and more on the ASHRAE web site.

Charlie❖

Membership Promotion

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Members, Members, Members

As we will pass the midyear soon, let us take a moment to review our performance in Membership Promotion as a Region. We had 9 out of 12 Membership Promotion Chapter Chairs at the CRC in Pittsburgh. I thank each of you for taking the time out of your busy schedule to attend the Membership Promotion Workshop. I received 7 out of 12 2006-2007 MBO's prior to the 10/01/06 deadline. I will be contacting the remaining chapter chairs for their MBO's. With the updating of the ASHRAE Website, we have been unable to update PAOE points monthly. As soon as I find out the ASHRAE Website is operational for PAOE point entry, I will send an email to the entire Membership Promotion Team. The initial reporting deadline will be dependent on when the Website is available.

Region III Membership Promotion Goals are:

Delinquency Rate: Less than or equal 9%

New Member Growth: Greater than or equal to 10%

Member Advancements: Greater than or equal to 2%

During the remaining months of 2006, it is important that we **continue promoting membership**, and the benefits ASHRAE has to offer. I challenge each Membership Promotion Chairman to personally secure at least 4 new chapter members, and 2 new advancements before December 31st. Enlist the help of your Chapter Presidents, board members and your membership promotion committee members to ensure that your chapter will be strong long after your term as Membership Promotion Chairman has expired.

A healthy sustainable Chapter requires new members, and the only way to obtain new members is to spread the word about the tremendous benefits ASHRAE has to offer. In addition, it is vitally important to retain current members by implementing a phone campaign to contact all members that haven't paid their dues.

Remember: Prior Planning Prevents Poor Performance.

So plan for the future of your Chapters, and promote ASHRAE Membership

George❖

Nominating Committee

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The importance of the Nominating Committee cannot be overstated. The very life and vitality of ASHRAE depends on the leaders that are nominated at the CRC Caucus for the various Regional Offices (DRC and RVCs), Society Officers (President-Elect, Treasurer and Vice Presidents) and recommendations to the Society President-Elect of qualified members to fill vacancies on the standing Society Committees: Admission and Advancement, Advocacy, Electronic Communications, Environmental Health, Finance, Handbook, Historical, Honors and Awards, Meeting Arrangements, Refrigeration, Research Administration, Planning, Professional Development, Publications, Society Program, Society Rules, Standards, Standards Advisory and Technical Activities.

The CRC Caucus is also responsible for making recommendations for Region III Awards, which are the Regional Award of Merit (3 maximum per year) and the Chapter Service Award (limit 2 per chapter per year), and Society Honors and Awards which are Honorary Member, Fellow, F. Paul Anderson Award, ASHRAE-ALCO Award, Distinguished Service Award, Exceptional Service Award, Andrew T. Boggs Service Award, Louise and Bill Holladay Distinguished Fellow Award, ASHRAE Hall of Fame and the John F. James International Award.

(Please note: Submissions of Fellow nominations must be complete and in to the Society Honors and Award Committee by December 1 to be considered at the Society Winter Meeting. Please make sure your complete submission is transmitted to Tom ASAP before this deadline).

Participating in the CRC Caucus is your opportunity to recommend your chapter's leaders for higher office at the Region III and Society levels, to recommend interested and qualified chapter members for service on Society committees and to recognize and honor chapter members who have provided outstanding service at the chapter, region and the Society levels.

Although our next Region III CRC in Norfolk, August 9-11, 2007 seems far off, it's not too early to organize your chapter's CRC Action Committee. This committee should be composed of two past Delegates, the present Delegate and Alternate Delegate and is responsible for preparing the chapter's annual report, preparing the chapter's motions (regional and Society), preparing nominations for regional

and Society Offices, preparing recommendations to fill Society Committee vacancies, preparing candidate submissions for Honors and Awards and finally to train future Delegates.

Here is a suggested planning schedule for your chapter's CRC 2007 Action Committee:

1. Organize and appoint committee members ASAP (if not already done).
2. March 2007: Activate Committee.
3. April 2007: Hold meeting and assign tasks.
 - Regional Officers and first and second backups. (**NOTE:** Region III needs to select RVCs to fill vacancies for SA '08-'11 to replace Paul Petrilli and MP '08-'11 to replace George Wells.)
 - Society Officers.
 - Society Committee positions.
 - Regional and Society Honors and Awards candidates.
4. May 2007: Contact candidates and confirm their willingness to serve if elected/appointed. Prepare biographies, histories and letters of nomination on chapter letterhead signed by the chapter president or president-elect or vice president.
5. June 2007: Prepare chapter's annual report and motions to be presented at the CRC business meeting. Review all documentation for submission of items listed under (3) above and identify gaps and weaknesses and take appropriate action(s) to remedy.
6. July 2007: Review and complete final preparation of all items to be presented at the CRC Caucus and business meeting.
7. August 9-11, 2007: Attend Executive/Caucus sessions (Thursday evening and if necessary Saturday morning) and present your chapter's nominations, recommendations and Honor and Awards submissions and also vote on positions representing your chapter. Attend the business meeting (Friday) and present your chapter's annual report, make your chapter's motions and vote your chapter's position on motions and other business brought before the meeting.

Please feel free to contact your Nominating Committee members for any questions or help in preparing your candidates' submissions.

Tom ❖

Student Activities

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Student Activities ('05 - '08)*
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November finds us already four months . . . one-third of the way through the current ASHRAE 2006-07 year. Some crazy events are going on all around us; the Steelers mounting losses, Rutgers is still undefeated, the Big East has more ranked teams than the ACC, and the PAOE Webpage is not yet available for reporting!

Have faith, PAOE will be up and running soon. . . in the interim, here is a recap of your efforts so far . . .

1. All twelve Chapters now have Student Activities Chairs!
2. Six Chapter Chairs attended the CRC in Pittsburgh; Baltimore, Philadelphia, Pittsburgh, National Capital, Roanoke, and Richmond
3. Six Chapter Chairs provided me with MBO's to complete their individual goal setting sessions:

See Student Activities Committee, next column

Student Activities Committee, cont'd

National Capital, Philadelphia, Roanoke, Richmond, Pittsburgh, and Johnstown.

4. Seven Chapter submitted email reporting of their student activities prior to the November 1 deadline for initial reporting (as of the time of this writing); Pittsburgh, Philadelphia, Johnstown, Roanoke, National Capital, Lehigh Valley, and Richmond
5. Congratulations to Thomas Weingertner , SAC of the Richmond Chapter for being the first Chapter to achieve PAR in Student Activities! Tom emailed his report on October 20. The Richmond Chapter solicited their membership to discover that they had 25 internships in ASHRAE related positions this year resulting in 1,250 points.

Student Activities Achievement Award

I have to opportunity to nominate one of you for the Student Activities Achievement Award, which is to be presented at the Winter Meeting in Dallas. As with everything in ASHRAE, the award is based on points as shown in the table below.

Paul ❖

STUDENT ACTIVITIES ACHIEVEMENT AWARD

(10 Points Minimum Required)

<u>Scoring System</u>	<u>Points</u>	<u>Max. pts Available</u>
Chapter Student Activities Chair	1 pt/year	2 pts
Establishing a Student Branch	2 pts/branch	4 pts
Reactivating a Student Branch*	2 pts/branch	4 pts
Undergraduate Senior Undergraduate Project Grant	2 pts/branch	4 pts
Student Design Project Competition	2 pts/branch	4 pts
Student Branch Advisor	1 pt/year	2 pts
Speaker for Post High	1 pt	2 pts
Speaker for K-12	1 pt	2 pts
Total Points		24 pts

* Must have been inactive more than 2 years

The ASHRAE GAME — A How-To Guide for Greening ASHRAE Meetings and Expositions (GAME)

Introduction

Greening ASHRAE Meetings and Expositions is the new GAME for ASHRAE. This Society wide effort is intended to reduce the total environmental impact of doing ASHRAE business, particularly of conducting ASHRAE meetings and expositions.

Applying the traditional scientific rigor that ASHRAE members expect to identify meaningful activities, GAME will motivate our members and the organization to reduce the environmental impact of conducting its affairs. These actions directly support the *ASHRAE Sustainability Roadmap*, which states that ASHRAE will “conduct our own affairs in a sustainable manner.”

Successfully implementing these actions will have a beneficial effect on the host cities in which ASHRAE meetings and expositions are held.

There are many ways ASHRAE can conduct its affairs in a more sustainable manner, including:

- Selecting sites (e.g., hotels, convention centers, and restaurants) for holding ASHRAE meetings which have implemented sustainable practices for doing business.
- Selecting sites that are more centrally located to minimize travel impact of the members.
- Encouraging and facilitating members to use the most environmentally-friendly methods to travel to ASHRAE meetings.
- Reducing distribution of paper during ASHRAE meetings.
- Holding electronic meetings in combination with face-to-face meetings to reduce the number of face-to-face meetings.

Sustainable Meeting Guidelines for Chapters

Chapters may earn PAOE points for having a sustainable breakfast, lunch or dinner meeting by doing any number of the actions listed below; however, it is recommended that chapters do as many of these actions as possible. Chapters having suggestions for actions in addition to those listed should report the new actions to their RVCs to verify that the action is acceptable for receiving PAOE points. If the new action is considered acceptable, it will be posted for other chapters to consider implementing as well.

It is suggested that a chapter record its actions, including date the action was taken, when the action was implemented, and how successfully it was implemented. The reason for this record keeping is so the chapter can track progress towards reducing the environmental impact of holding its meetings.

What you can do as a member?

Adapting to a ‘sustainability mindset’ is something that not just ASHRAE as an organization should pursue; but that we, as individual members, can pursue as well. On your next professional project, do a life-cycle cost analysis on the energy consuming systems where you compare the installed

costs and energy usage for different system components with different levels of efficiency. If this is not something your company would normally do, you might have to find time to do so on your own. Summarize the results and do what you can to encourage the owner or project managers to select the choice that first minimizes energy usage and secondly results in the lowest life-cycle cost. (Evaluate the total picture and be prepared to make a recommendation to install the more energy efficient unit, even if the life-cycle cost is not as good as the less efficient unit. As the products are used in greater volume, the initial cost will also reduce; therefore, that product will become the one with the lowest life-cycle cost.)

See the ASHRAE web site for more information.

CALENDAR OF EVENTS

ASHRAE WINTER MEETING

DALLAS, TEXAS JANUARY 27-31, 2007

INTERNATIONAL AIR CONDITIONING, HEATING, REFRIGERATING EXPOSITION (AHR EXPO)

DALLAS, TEXAS JANUARY 29-31, 2007

IAQ 2007 MEETING

BALTIMORE, MARYLAND OCTOBER 2007

Can't Make the Annual or Winter Meeting Technical Sessions? The latest HVAC&R Technical Data from the ASHRAE Meeting Seminars now available Online or by DVD. Check it out at www.ASHRAE.org and go to the online Bookstore. ❖

HAVE YOU MADE YOUR ANNUAL CONTRIBUTION TO ASHRAE RESEARCH PROMOTION?

The ASHRAE GAME — A How-To Guide for Greening ASHRAE Meetings and Expositions (GAME), version 1.0

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There are many ways ASHRAE can conduct its affairs in a more sustainable manner, including:

- Selecting sites (e.g., hotels, convention centers, and restaurants) for holding ASHRAE meetings which have implemented sustainable practices for doing business.
- Selecting sites that are more centrally located to minimize travel impact of the members.
- Encouraging and facilitating members to use the most environmentally-friendly methods to travel to ASHRAE meetings.
- Reducing distribution of paper during ASHRAE meetings.
- Holding electronic meetings in combination with face-to-face meetings to reduce the number of face-to-face meetings.

It is important that ASHRAE develop methods for measuring reductions in our impact on the environment. It is recommended that ASHRAE baseline its current impact to provide a metric against which to compare new approaches. In the near term before this baseline is developed, there are accepted methods for quantifying the emissions contributions of activities associated with holding ASHRAE meetings and conducting other activities. Actions taken that either reduce or offset these emissions are considered to be on the path towards helping ASHRAE conduct its business in a more sustainable manner.

ASHRAE has a long history of supporting its technical positions and activities with meticulous research and a thorough evaluation of all factors impacting an area of interest. This same approach has been and will continue to be applied to the guidance provided in this document. The guidance will evolve as more is learned about how to reduce the environmental impact of doing ASHRAE business. Early versions of this document will describe general approaches and suggestions, while later versions will provide specific advice based on careful assessment of specific sustainable meetings practices.

Throughout its history, ASHRAE’s evolution has been driven by its members’ commitment to improve the environments in which humans live, work, and play. ASHRAE will succeed in reducing the overall environmental impact of conducting its business with continued commitment of its members to this goal. Chapters must implement programs for minimizing the environmental impact of conducting their business; regions must put into practice new ways of carrying out regional activities; and the Society must be committed to leading the way towards greening ASHRAE’s meetings and expositions.

ASHRAE's Emphasis on Sustainability

In recent years, ASHRAE as an organization has begun to place a strong emphasis on sustainability. Recent examples of ASHRAE's sustainability efforts include:

- *ASHRAE GreenGuide* (2004)
- Advanced Energy Design Guide Series (first in series released in 2004)
- *ASHRAE Strategic Plan for Research* focuses on sustainability (2005)
- *ASHRAE Sustainability Roadmap* (2005)
- *ASHRAE Strategic Plan* focuses on sustainability (2006)
- "Sustainability in the Building Environment" satellite broadcast (April 2006)
- *SPC 189, High Performance Building Standard* (initiated in 2006)
- ASHRAE becomes a title sponsor of the 2007 Solar Decathlon (2006)
- ASHRAE short courses, Society meeting program topics, and chapter meeting presentations centered around sustainable building design and operation strategies
- ASHRAE website www.EngineeringforSustainability.org (launched October 2005)

The *ASHRAE Sustainability Roadmap* states ASHRAE will "conduct our own affairs in a sustainable manner." In addition to the activities listed above, ASHRAE President Terry Townsend institutionalized a commitment to do this when he incorporated rewards for sustainability activities conducted at the Chapter level in the 2006/2007 Society Year PAOE point system. Chapters may now receive the following points within a "Sustainability Activities" PAOE category.

- 30 points for each chapter program and chapter sponsored educational seminar having a clearly identified sustainability theme
- 20 points for each chapter lunch or dinner meeting conducted in accordance with sustainable meeting guidelines
- 20 points for any chapter activity in its community that is sustainability-oriented (e.g. planting trees, restoring natural habitats, etc.)
- 10 points for each chapter newsletter having an article on a sustainability topic

The intent of this PAOE category is to encourage chapters to implement new methods of conducting their business in order to reduce the environmental impact resulting from carrying out their activities. There is no prescriptive set of criteria or minimum number of activities that must be done in order to receive the points. The objective is to persuade the chapters to: 1) become aware of the environmental impacts of their activities; and 2) creatively develop strategies to minimize those detrimental impacts.

Sustainable Meeting Guidelines for Chapters

Chapters may earn PAOE points for having a sustainable breakfast, lunch or dinner meeting by doing any number of the actions listed below; however, it is recommended that chapters do as many of these actions as possible. Chapters having suggestions for actions in addition to those listed should report the new actions to their RVCs to verify that the action is acceptable for receiving PAOE points. If the new action is considered acceptable, it will be posted for other chapters to consider implementing as well.

It is suggested that a chapter record its actions, including date the action was taken, when the action was implemented, and how successfully it was implemented. The reason for this record keeping is so the chapter can track progress towards reducing the environmental impact of holding its meetings.

Sustainable Actions for Chapter Meetings

- Hold meetings with a sustainability or green practices theme to raise the awareness level of ASHRAE members about these issues.
- Conduct ASHRAE event in “green” facilities (e.g., a LEED rated facility or facility designed and operated to have less of an environmental impact than conventional, code-compliant buildings).
- Select sites (e.g., hotels, convention centers, and restaurants) for holding ASHRAE meetings that have implemented sustainable practices of doing business.
- Reduce the amount of paper distributed during ASHRAE events. For example, distribute material and information electronically.
- Reduce water use directly associated with conducting ASHRAE events (e.g., only serve the water/tea or other drinks upon request instead of having glasses at every plate when meals are served during an ASHRAE event).
- If disposable service items are used during meals served in conjunction with ASHRAE events, use bio-based products.
- Select menu items that minimize resources to prepare, store, and serve meals and dispose of the leftovers.
- Find a use for the meal leftovers (e.g., is there a homeless shelter or soup kitchen down the street who may like to have the unused food immediately after the meeting is over? Is there a hog farm close by that would like to have the scraps returned from the attendees and the kitchen scraps?).
- Purchase emission credits to offset all types of emissions produced as a result of conducting an ASHRAE event (ASHRAE will provide information about one method for purchasing offsets).
- Use an alternative mode of transportation other than single-occupant vehicles or taxis with only one passenger to travel to ASHRAE events (e.g., carpools, public transportation, or riding a bike). Encourage carpooling to ASHRAE chapter meetings. Consider instituting a carpooling program for your chapter. Set goals for reducing the number of single-occupant vehicles used for travel to the ASHRAE event.
- Select a meeting facility that is centrally located to minimize travel distances for those attending the meeting.

General Sustainable Actions Recommended for ASHRAE Society, Regional, Chapter and Individual Member Levels

Table 1 summarizes actions ASHRAE may pursue at the Society, Regional, Chapter, and individual member levels.

It is suggested that actions taken be recorded, including the date the action was taken, when the action was implemented, and how successfully it was in implementing. The reason for this record keeping is so the Society, Regional, Chapter, and individual member can track progress towards reducing the environmental impact of conducting ASHRAE business.

Table 1. General Sustainability Actions ASHRAE May Pursue

Sustainable Action	Society	Region	Chapter	Individual
Hold meetings with a sustainability or green practices theme to raise the awareness level of ASHRAE members about these issues.	X	X	X	

Sustainable Action	Society	Region	Chapter	Individual
Conduct ASHRAE business in “green” facilities (e.g., a LEED rated facility or facility designed and operated to have less impact on the environmental impact than conventional, code-compliant buildings).	X	X	X	
Select sites (e.g., hotels, convention centers, and restaurants) for holding ASHRAE meetings which have implemented sustainable practices for doing business.	X	X	X	X
At the ARI/ASHRAE Expo or when transportation is provided for regional and chapter events, request shuttles that are powered by alternative fuels or are electric-powered.	X	X	X	
Reduce the amount of paper distributed and used during ASHRAE events. For example, distribute material and information electronically.	X	X	X	X
Use paper containing recycled content and print two-sided when paper documents are distributed.	X	X	X	X
Hold electronic meetings for conducting some ASHRAE business (e.g., conference calls or web meetings) that are intended to reduce the number of face-to-face meetings that are held.	X	X	X	X
Participate in ASHRAE e-learning opportunities and satellite broadcasts to learn about ASHRAE-related issues without having to travel long distances to attend meetings.			X	X
Implement a recycling program within your place of business and at chapter, regional, and Society meetings and events to recycle paper, glass, plastic, and other waste products.	X	X	X	X
Reduce water use directly associated with conducting ASHRAE business (e.g., only serve the water/tea or other drinks upon request, instead of having glasses at every plate when meals are served during an ASHRAE event).	X	X	X	
If disposable service items are used during meals served in conjunction with ASHRAE events, use bio-based products.	X	X	X	X
Select menu items that minimize resources to prepare, store, and serve meals, and dispose of the leftovers.	X	X	X	
Purchase emission credits to offset all types of emissions produced as a result of conducting an ASHRAE event (ASHRAE will provide information about one method for purchasing offsets).	X	X	X	X

Sustainable Action	Society	Region	Chapter	Individual
Find a use for the meal leftovers (e.g., is there a homeless shelter or soup kitchen down the street who may like to have the unused food immediately after the meeting is over? Is there a hog farm close by that would like to have the scraps returned from the attendees and the kitchen scraps?).	X	X	X	
Coordinate Distinguished Lecture (DL) visits within a region to maximize the value of DL travel. Schedule meetings in two chapters on the same day (i.e., lunch and dinner) or on adjacent days. This may require some chapters to reschedule their meetings.	X	X	X	
Use an alternative mode of transportation other than single-occupant vehicles or taxis with only one passenger, to travel to ASHRAE events (e.g., carpools, public transportation, or riding a bike). Encourage carpooling to ASHRAE chapter meetings. Institute a carpooling program for your chapter. Set goals for reducing the number of single-occupant vehicles used for travel to the ASHRAE event.			X	X
Encourage members to talk to their friends, relatives and neighbors concerning issues important to a sustainable society, and encourage them to take at least one positive step to contribute to improving one of those issues.				X
Requests members to do an energy audit of their houses, place of business, and/or the facility in which your chapter meetings are normally held. Encourage members to act on the recommendations of the audit of their personal homes. Prepare a list of recommendations for your place of business and ASHRAE chapter meeting facility to reduce energy consumption, and include the anticipated energy cost savings.			X	X
Compare monthly energy and water utility bills to track the results of efforts to conserve resources.			X	X
Encourage the development of alternative transportation choices in your local community, and use them yourself (if available).			X	X
Become active in your local ASHRAE chapter to encourage that group to follow the sustainability principles and practices listed in this document.				X

Sustainable Action	Society	Region	Chapter	Individual
Check out the relevant technical committees and working groups that exist within ASHRAE and be active in those in which you have an interest.				X
Become an informed citizen. Do your own research into the issues and problems associated with consumption of energy, water resources, materials, etc. For example, ASHRAE members typically deal with the technical issues of consuming energy and resources on a daily basis. By learning more about the political, societal, and environmental aspects of these issues, ASHRAE members can help others focus on these components as well. Solutions to these issues must consider all aspects of our available knowledge and technology.				X
Participate in educational and public outreach activities that teach sustainability principles or promote events related to sustainability. For example, participate in school activities that help students learn about sustainability and place public announcements (radio, local cable TV, newspapers, etc.) about ASHRAE events that focus on sustainability, such as a chapter technical conference.	X	X	X	X
Become active in the Green Power program offered by your electric utility. Purchase an equivalent amount of Green Power for conducting specific ASHRAE activities (e.g., holding a chapter meeting). If your utility does not currently have a program, contact a utility representative to ask why not and encourage your utility to jump on board.		X	X	X
Take advantage of the tax credit benefits offered by the recent Energy Policy Act of 2005 (EPACT). EPACT offers potential benefits to homeowners, home builders and commercial businesses. Research the tax breaks and give serious consideration to what you can do as a consumer and professional take advantage of these incentives. A summary of the benefits available is given on the DOE website at: http://www.energy.gov/taxbreaks.htm .	X			X

Sustainable Action	Society	Region	Chapter	Individual
Replace incandescent or other less efficient lighting in your home or office with compact fluorescents. Do your own calculations to determine not only the energy savings but also the net reduction in CO ₂ emissions (due to the reduced energy consumption) and the reduced disposal issues) due to the extended life of the alternative lamps). Average CO ₂ emissions factors from electricity generation are given by state in http://www.eia.doe.gov/pub/oiaf/1605/cdrom/pdf/e-supdoc.pdf .				X
Share success stories describing how your chapter, region, and self have contributed to conducting ASHRAE business in a more sustainable manner. (Upon CTTC advice, this may include a display at CRCs, regular updates (e.g., bi-annually) to a website containing suggestions from all chapters, a note in the in RVC Annual and Winter meeting report, or other outlets for this information.)	X	X	X	X
Recognize chapters and individuals who have successfully implemented a significant number of changes to reduce the total environmental impact of doing ASHRAE business.	X	X	X	X

What you can do as a member?

Adapting to a ‘sustainability mindset’ is something that not just ASRHAE as an organization should pursue; but that we, as individual members, can pursue as well. Consider incorporating as many of the items as possible from Table 1 into your daily activities. On your next professional project, do a life-cycle cost analysis on the energy consuming systems where you compare the installed costs and energy usage for different system components with different levels of efficiency. If this is not something your company would normally do, you might have to find time to do so on your own. Summarize the results and do what you can to encourage the owner or project managers to select the choice that first minimizes energy usage and secondly results in the lowest life-cycle cost. (Evaluate the total picture and be prepared to make a recommendation to install the more energy efficient unit, even if the life-cycle cost is not as good as the less efficient unit. As the products are used in greater volume, the initial cost will also reduce; therefore, that product will become the one with the lowest life-cycle cost.) Information on equipment owning and operating costs will be posted on ASHRAE website in the fall of 2006.