

**Donald A. Siller Refrigeration Award
Nomination Packet for James Martin**

Submitted by John Constantinide
Region XII Chapter Technology Transfer Regional Vice Chair



ashrae.region12@gmail.com • <http://region12.ashraeregions.org/>

September 21, 2016

Donald A. Siller Refrigeration Award Selection Committee
Chapter Technology Transfer Committee
ASHRAE
1791 Tullie Circle, N.E.
Atlanta, GA 30329

Re: Transmittal Letter - Donald A. Siller Refrigeration Award Nomination for James Martin

Dear Selection Committee Members:

I am pleased to nominate James Martin, 2015-2016 Refrigeration Chair of the ASHRAE Southwest Florida Chapter, for the Donald A. Siller Refrigeration Award. As an involved YEA in his Chapter, he has set a new standard in our region for refrigeration activities and education.

Selected by our 2015-2016 Refrigeration RVC as the Best Refrigeration Chair in the region, Mr. Martin exhibited leadership in his Chapter by increasing awareness of refrigeration topics in his Chapter and local community. His approach to refrigeration activities relied on teamwork and bringing added value to Chapter activities by making refrigeration relevant to professionals and K-12 students. Through his grassroots efforts, the Southwest Florida Chapter was able to educate professionals and inspire professionals on how they can positively shape tomorrow's built environment with today's refrigeration technologies.

I thank the Selection Committee for their consideration of Mr. Martin for the Siller Refrigeration Award.

Sincerely,

John Constantinide
Regional Vice Chair, Chapter Technology Transfer

Donald A. Siller Refrigeration Award Narrative for James Martin

James Martin of Southwest Florida Chapter worked in the 2015-2016 Society Year to bring Refrigeration to the forefront of chapter members' minds. After brainstorming ways to do this at Refrigeration Chair Training at the 2015 Region XII CRC, he set out to actively raise awareness of the Refrigeration aspect of ASHRAE.

Collaborating with Chapter Newsletter Editor Heather Hsi, six refrigeration articles were published over the 2015-2016 Society Year. These newsletters reached the Chapter membership, those who were subscribers to the Chapter e-mail list, and frequent visitors of the Chapter website.

Teaming up with Chapter Programs Chair John Pennington resulted in two refrigeration programs being scheduled. One of the monthly programs scheduled was a tour of a local rum distillery. The tour, which included the distillery's production stills, storage facility, bottling line, and tasting room, was well-attended and received positive feedback in the program evaluations. Additionally, a joint meeting was held with the local chapter of Southwest Florida Air Conditioning Contractors Association (SWACCA) to discuss our local utility company's rebate programs to owners for installing high efficiency direct expansion units, high efficiency chillers, and ice storage units.

To increase Refrigeration awareness with the local K-12 community, the Chapter presented to groups of students from 15 high schools at the Building and Trade Fair at Palmetto High School. The presentations covered ice storage systems, explaining the application of the refrigeration cycle to cool water and make ice during off-peak hours overnight, which is used to cool the building during the day without burdening the power grid at peak hours. The presentation included a visual to help students understand how the systems and process worked, as well as why ice storage is a benefit to local utility companies.

Through teamwork with Chapter officers and committee chairs, Mr. Martin kept Refrigeration in the minds of chapter members throughout the 2015-2016 Society Year. Newsletter articles, programs, and K-12 outreach promoted fresh information on the common theme of Refrigeration. Furthermore, the Building and Trade Fair gave the Chapter an opportunity to plant the seeds in today's youth for the future of the refrigeration industry.

POINT CRITERIA FOR DONALD A. SILLER REFRIGERATION AWARD

Candidate: James Martin Chapter: Southwest Florida Region: XII

1. Refrigeration Publications		Points (per activity)	Total Points
1	Chapter Newsletter/Webpage articles (max. 12 per year), copies sent to RVC	10	60
2	Articles in local newspaper (max. 12 per year), copies sent to RVC	20	0
3	Articles in ASHRAE Insights with copies sent to RVC	20	0
4	Each peer review (by a chapter member) of an ASHRAE proposed ASHRAE Journal technical article with comments returned to Society and copied to RVC.	50	0
5	Each review (by a committee of three chapter members) of a posted ASHRAE standard/guideline public draft document under Standards Action with copies of comments sent to RVC and cognizant standard/guideline committee.	50	0
		Subtotal	60
2. Refrigeration Programs		Points (per activity)	Total Points
6	3 hour seminars	100	0
7	1 hour chapter meeting technical session (max. 2 per year)	25	25
8	Joint meetings with other refrigeration societies (max. 2 per year)	25	25
9	Chapter presentation (min. 15 minutes) by an ASHRAE voting or corresponding member of the Refrigeration Committee (max. 2 per year)	25	0
10	Tour to a industrial food or beverage processing plant or low temperature refrigeration manufacturing facility or plant	50	50
11	K-12 activity to promote refrigeration*	125	125
* At the Palmetto High School Building and Trade Fair, approximately 5 separate presentations were presented to students from 15 different high schools. These 5 presentations by Chapter members were considered as separate activities, due to the number of students attending each presentation.		Subtotal	175
3. Refrigeration Award Submission		Points (per activity)	Total Points
12	Submission of a Milton Garland Award in Regional Competition	50	0
13	Submission of a Milton Garland Award in Society Competition	150	0
14	Submission of a Comfort Cooling Award in Regional Competition	50	0
15	Submission of a Comfort Cooling Award in Society Competition	150	0
		Subtotal	0
4. Refrigeration Committee		Points (per activity)	Total Points
16	Refrigeration Committee with at least 2 members	50	50
		Subtotal	50
Total Points Earned:			285
17	Discretionary: CTTC overall impression of the candidate	0-100	100
(Three Hundred (300) Points Minimum are Required for Consideration) Final Points:			385

Supporting Documentation for Nomination

Southwest Florida Chapter newsletters from September, November, January, February, March, and April provide documentation for the following categories:

1. Refrigeration articles in Chapter newsletters (see all newsletters)
2. 1-hour chapter meeting technical session: Local utility rebate program addressing ice storage at January meeting (see program advertisement on first page in January newsletter and photo from meeting in February newsletter)
3. Joint meeting with other refrigeration society: Joint meeting with SWACCA in January on local utility rebate program addressing ice storage (see program advertisement on first page in January newsletter and photo from meeting in February newsletter)
4. Industrial beverage production tour: Wicked Dolphin Rum Distillery Tour in December (see photos in January newsletter)
5. K-12 activity in March to promote refrigeration (see Student Activities article in April newsletter)

A photo is also included showing K-12 students at the Chapter table after presentations to the students were provided by Chapter members.

September 2015 Edition

Upcoming Events

September 9, 2015

- Monthly meeting

Golftoberfest 2015

- October 10, 2015
- See attached flyer for

additional information

SWF ASHRAE Chapter Meeting Announcement

Date: Wednesday, September 9, 2015

Location: Holiday Inn at Gulf Coast Town Center

Time 6:00 Social

7:00 Dinner and Program

Cost: \$35.00 Per Attendee – Reservations please!**

There is no cost for college students with a valid student I.D.

Pre-Pay on our chapter website www.swflashrae.org

or RSVP to Richard Brooks at Richard.Brooks@FPL.com

Main Program: The New Florida Building Code

On September 9, 2015 the first chapter meeting for Southwest Florida Chapter will be on the new Florida building code with CEU credits available. Albert W. LaPera is our speaker. Al is an Associate/Senior Energy Consultant with TLC Engineering in the Orlando office.

At the conclusion of this session, attendees will be able to:

1. Understand the **Architect's role** and the impact of early design phase decisions in meeting IECC 2012 / Florida Energy Code requirements and **in shaping a building's overall energy performance**.
2. Incorporate the energy code's **prescriptive requirements** - such as window-to-wall ratios, lighting power density, daylighting & sky lighting, and automatic lighting controls - as design strategies to not only meet the energy code but also reduce energy consumption and operating costs.
3. Lead their design teams in (the importance of) building performance simulation (energy modeling) and utilize the **performance compliance path** to meet the energy code requirements.
4. Understand how the energy code will **impact the architecture of buildings**, the energy code's prescriptive and performance compliance paths when each is applicable, and be able to implement them on projects.

A message from Mr. Jason Hardman, SWF ASHRAE President

Greetings SWFL Chapter! We are ready to kick-off another great year! Let me first say thank you to all of our volunteers that continue to build our Chapter year in and year out. Our Chapter would not survive without you! I was very proud with the representation we had and the awards received at CRC. We proved again to be one of the top rated Chapters in Region XIII!

Speaking of CRC, it's our Chapter's turn to host it this year. Richard Brooks is our CRC Chair and is looking for volunteers and ideas to make sure that we have the best and most memorable CRC in decades! If you would like to volunteer or would like to give your input, please contact Richard.Brooks@fpl.com.

We have our first meeting lined up and it's going to be a good one! Mr. Al LaPera from TLC is going to be discussing the new Florida Building Code. You don't want to miss this one! We have also moved our location to the Holiday Inn and Suites at Gulf Coast Town Center. We are very excited about this change and believe this will be an improvement from the previous location.

Our Golf Tournament is right around the corner on Saturday, October 10th. It will be at the River Hall Golf Club as it has the past few years. We are still looking for sponsors, so please contact Ashley Fernandez (afernandez@bandiflorida.com) ASAP if you would like to sponsor this great event.

One last thing – Our Chapter is only as strong as its Members. I would encourage all of our Members to 1. Come to at least one meeting this year. 2. Reach out to someone who is not a Member and encourage them to come to a meeting. If you are not currently a Member, consider joining. Anybody that has been involved with ASHRAE for a couple of years or more can most likely talk for hours about the numerous benefits.

Thank you all for your support!

SWF ASHRAE Chapter Officers 2015 to 2016

President:	Jason Hardman	Newsletter:	Heather Hsi
President Elect:	Richard Brooks	Webmaster:	Shawn & Noah Joiner
Vice President:	Ashley Fernandez	Sustainability:	Joy Milliman
Secretary:	James Martin	Golf Chair:	Isaac Lima
Treasurer:	Woody Wilson		Ashley Fernandez
Research Promotion:	Ashley Fernandez	Reception:	Newton Freire
Historian:	Isaac Lima	BOG 1:	Bill Malphus
Membership:	Richard Brooks	BOG 2:	John Pennington
CTTC:	Kathleen Simpson	BOG 3:	Woody Wilson
Programs:	John Pennington	BOG 4:	Pat Graef
Student Activities:	Bill Malphus		
YEA:	Newton Freire		
Refrigeration:	James Martin		
Honors and Awards:	Woody Wilson		
GGAC Chair:	Heather Hsi		

For Chair and Officer contact information, please visit www.SWFLASHRAE.org.



Membership Update – Richard Brooks

Did you know that there are several types of ASHRAE members? The four main categories are as follows: Student, Affiliate, Associate, and Member. ASHRAE worldwide has about 54,000 members. In Southwest Florida we have 118 members. We have been challenged to grow our membership by 5 new members for this year.

In addition to the four main categories listed above, there are a few additional classifications of membership. We have retired members, life time members, and fellow members. Since we should increase the membership of the ASHRAE Southwest Florida Chapter #139, our October meeting will be a membership promotions night. So please plan to bring a potential new member. There will be no pressure at the October meeting to join ASHRAE. We would like others to see what we do and hopefully they will want to be a part of our great ASHRAE network. By working together we can continue to promote ASHRAE standards as well as good engineering and construction practices.

I would like to remind everyone that ASHRAE's Mission Statement is "To advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world."



Student Activities – Bill Malphus

- Please welcome Ms. Ryan Marie Olinger as she is the newest Student member from FGCU!
- Currently there are two applications for the ASHRAE Southwest Florida Chapter student scholarship.
- Looking forward to working with FGCU, FSW College, Fort Myers Institute of Technology and the Florida Academy to promote ASHRAE at these schools and welcome new student members and a new student branch.
- We are planning a one day bus trip for post high school students to attend the January ASHRAE/AHRI Expo in Orlando. Plans are just starting to do this and will be looking for sponsors to help make this happen.
- K-12: We will continue this year for the chapter to support STEM activities and Robotics Events at the local schools in our region.

For anyone wishing to volunteer for these events, please contact me at bmalphus@earthlink.net.

Refrigeration Update – James Martin

[DOE Issues Final Rules for Certain Refrigeration, Dehumidification Equipment](#)

WASHINGTON, D.C.—The U.S. Department of Energy (DOE) has published new final rules concerning certain HVAC&R equipment types. One final rule codifies test procedures for [refrigerated bottled or canned beverage vending machines](#). Specifically, it includes amendments that update the referenced test method to ANSI/ASHRAE Standard 32.1-2010, *Methods of Testing for Rating Refrigerated Vending Machines for Sealed Beverages*, eliminate the requirement to test at the 90°F (32°C) ambient test condition, establish a provision for testing at the lowest application product temperature, and adopt several amendments and clarifications to the DOE test procedure to improve the repeatability and remove ambiguity from the current test procedure. The other Final Rule issues new test procedures for [portable and whole-home dehumidifiers](#). The new test procedure includes separate provisions for testing whole-home dehumidifiers (refrigerant-only and refrigerant-desiccant types) with a ducted test setup; new dry-bulb temperature test conditions for both portable and whole-home dehumidifiers; an updated definition for off-cycle mode; and additional clarifications and adjustments. – Article by eindustry@ashrae.org HVAC&R Industry newsletter 8/13/15



GGAC Regional and Chapter Activities

From: Scarborough, Jim <JScarborough@ashrae.org> Date: Wed, Sep 2, 2015 at 2:18 PM Subject: RE: Weekly Legislation Update
Good Afternoon,

Attached is the weekly legislation update from around the country. Please let me know if you have any questions. I hope all of you take the *Government Affairs Update* published bi-weekly by this office. The next issue will go out on Friday and will contain my legislative wrap-up of bills of interest. As a summary, 41 state legislatures have concluded their 2015 session and have adjourned for the year. Three states with part-time legislatures (Illinois, New Hampshire and North Carolina) are still in session grappling with unresolved budget issues. Six state legislatures (Massachusetts, Michigan, New Jersey, Ohio, Pennsylvania and Wisconsin) meet continuously through the year. So what has happened in these state legislatures this year?

First, *CQ Roll Call* reports that over 131,000 bills and resolutions have been introduced in state legislatures thus far this year, with almost 27,000 having been passed and sent to the state's governors for signature. By contrast, in the US Congress, over 9,600 bills have been introduced but only 51 bills and resolutions have passed in that same time period. Additionally, many states passed or considered legislation regarding the new EPA regulation on clean energy, more commonly known as the Clean Power Plan. Bills introduced ranged from those which required substantial legislative oversight of any state plan to implement this new rule to resolutions urging the federal courts to intervene, stop or overturn this rule. This was particularly true in the nation's top coal mining states like *Kentucky* and *West Virginia*.

Beyond this, energy legislation of some form or fashion was introduced in virtually every state, though some bills are of greater interest to ASHRAE members than others. I will feature some top legislation from a number of states in this Friday's issue so don't forget to watch your inbox. If you do not receive *Government Affairs Update*, I would encourage you to subscribe. To do so, go to: <https://www.ashrae.org/government-affairs/government-affairs-updates/government-affairs-subscription>

From the desk of Dr. Eduardo José Conghos

Dear Friends,

Through the present we communicate the launch of Hospital Engineering Course Management and Operation Services that AADAIH (Association of Hospital Engineering) and IFHE (International Federation of Hospital Engineering) in conjunction with ASHRAE be carried out in the months October and November of the current.

This course is going to be held in October/November 2015 in Buenos Aires City and it is open to all professionals in engineering, management or architecture who work in health centers or provide maintenance services, not only to members of such associations. Under this we ask you to forward this invitation to people they consider to be interested in it as mentioned above.

Registrations and requests for information on the program may be made to the info@aadaih.com.ar

Dr. Eduardo José Conghos

Abogado

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ASHRAE Southwest Florida Chapter
CRC 2015 Event





ASHRAE SouthWest
Florida
Chapter



**News Press Mixer
YEA 2015 Event**

November 2015 Edition

Upcoming Events

- November 12, 2015
 - Meet President Underwood!
- December 9, 2015
 - December Brewery Tour
- January 13, 2016
 - FPL Rebate Program

SWF ASHRAE Chapter Meeting Announcement

Date: Thursday, November 12, 2015
Location: Holiday Inn at Gulf Coast Town Center

Time 5:30 to 6:30 Social
 6:30 to 8:00 Dinner and Program

Cost: \$35.00** Per Attendee – Reservations please!

There is no cost for college students with a valid student I.D.

Pre-Pay on our chapter website www.swflashrae.org
 or RSVP to Richard Brooks at Richard.Brooks@FPL.com

Main Program: Dinner with the President!

President Underwood's theme for 2015-2016 focuses on the important goal of "Making Connections". As stated in his 2015 Annual Conference address, "We're most effective when researchers, consultants, contractors, owners and users are connecting and collaborating." President Underwood will present his theme and its importance to the ongoing success of our industry.

Guest Speaker: Society President David Underwood, P.Eng., Fellow ASHRAE, Life Member, CPMP

As ASHRAE's president, Underwood chairs the Society's Board of Directors and Executive Committee. His presidential theme is "Making Connections."

Underwood was awarded a Bachelor of Science in Civil Engineering from the University of Manitoba. Immediately upon graduation, he entered the HVAC&R industry and was employed by a major products manufacturer for approximately 10 years. In 1975, Underwood founded Isotherm Engineering Ltd., an HVAC&R design-build enterprise, which continues to be operational.

He was a volunteer Board member of ORAC (the Ontario Refrigeration and Air Conditioning Contractors Association) for many years and served in all executive positions. He also served on the CSA B52 committee on Mechanical Refrigeration, the advisory committee that assisted the Ontario government in developing refrigeration regulations for Ontario.

He is an ASHRAE Distinguished Lecturer and a member of Technical Committee 7.2, HVAC&R Construction & Design Build Technologies, and of the Building Performance Alliance Ad Hoc Committee.

A message from Mr. Jason Hardman, SWF ASHRAE President

Greetings SWFL Chapter! Let me start off by thanking all of our Volunteers and Sponsors for our Golftoberfest!!! It was an AWESOME event and we had a great turnout! Isaac and Ashley did an amazing job preparing and coordinating everything. We're already looking forward to next year! We are in the beginning phases of planning for our Annual Fishing Tournament and Shane Vaughan has volunteered to be this year's Fishing Chair! If you would like to help in planning this awesome event, please contact Shane (svaughan@bandiflorida.com). More information to come soon.

We are also planning the Region XII CRC, which will be held in SWFL next August at the Hyatt Regency at Coconut Point. Stay tuned for more info, but we will be looking for Sponsors and Volunteers. If you are interested, please contact Richard Brooks (Richard.Brooks@fpl.com). If you've never been to a CRC, I would highly recommend attending next year!

This month's meeting should be exciting as we have Society President David Underwood visiting us. Mr. Underwood will be giving his Presidential Address, which focuses on the importance of "Making Connections." You won't want to miss it!

We are still looking for volunteers and judges for the FIRST Lego League. There will be a Practice Tournament on Saturday, December 12th and then the Qualifying Tournament on Saturday, January 16th. We also have the FIRST Tech Challenge coming up. More information to follow. One last thing, we are also looking for volunteer judges for the 59th Thomas Alva Edison Kiwanis Science and Engineering Fair, which will be held on Saturday, January 23rd. If you would like more information on any of these events, please contact Bill Malphus (bmalphus@earthlink.net).

As always, thank you all for your support!

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Refrigeration:	James Martin		
Honors and Awards:	Woody Wilson		
GGAC Chair:	Heather Hsi		
Sustainability Chair:	Joy Milliman		
Fishing Chair:	TBD		

For Chair and Officer contact information, please visit www.SWFLASHRAE.org.

2016 ASHRAE Winter Conference and AHR Expo

Sun and fun make Florida a global destination! The 2016 ASHRAE Winter Conference and AHR Expo serve as similar attractions, drawing industry professionals from around the world to advance personally and professionally. The Conference will have a fresh feel with new tracks focused on design-build practices and residential systems as well as programs that align well with current trends in HVAC&R engineering. Energy efficiency and sustainability are emphasized along with current engineering and construction practices outside of the U.S. and Canada. Come experience Florida's attractions and ASHRAE's advances in technology.

Highlights!

- ASHRAE Headquarter Hotel is connected to the Orange County Convention Center, site of the AHR Expo. An easy walk to the latest and greatest technology!
- Kick off the Conference with a Welcome Party at SeaWorld!
- Technical Program features fresh feel with new tracks!
- Please visit ASHRAE.org for additional details!

Research Promotion – Ashley Fernandez

Thank you from RP!

We would like to take a few minutes this month to recognize all of our donors who graciously contributed to ASHRAE RP last year. This month will be RP Donor Recognition night and we look forward to personally recognizing all of our donors (companies and individuals). We hope to see all of our donors at this month's meeting, you deserve the recognition!

Our Golftoberfest event took place last month and it was a great success. Thank you to all of our sponsors and volunteers for the continued support. A special thanks goes out to Isaac Lima, Golf Chair, for taking the lead and ensuring another successful Golf outing! Attached are a few pictures from the event, see you again next year!!!

Refrigeration Update – James Martin

California Approves Economizers With Refrigerant Cooling for Data Centers

SACRAMENTO, Calif.—California building regulators recently approved the use of economizers that use refrigerant for data center cooling. The change has been incorporated into the part of the state's building standards code that deals with energy efficiency. Data center operators in California can now install economization systems that use specialized refrigerant fluid as a medium for exchanging heat instead of water. Until recently, the California Building Standards Code, also known as Title 24, required use of economizers in data centers but only economizers that either pull outside air into the building (air-side economizers) or systems that use water to transfer heat outside (water-side economizers). The change is meant to save water in the drought-stricken state.

– Article by eindustry@ashrae.org The HVAC&R Industry, ASHRAE's free weekly eNewsletter 10/8/15

ASHRAE HVAC Design Training Coming to Miami

I am pleased to let you know that the 3-day HVAC Design: Level I – Essentials training and the 2-day HVAC Design: Level II – Application is confirmed for April 11-13 and April 14-15, 2016 respectfully. The training will be held in Miami, FL.

Please visit the HVAC Design Training webpage at www.ashrae.org/hvactraining for more details on the value of this training.

Membership Promotion – Richard Brooks

Did you know that there are several types of ASHRAE members? The four main categories are as follows: Student, Affiliate, Associate, and Member.

ASHRAE worldwide has about 54,000 members. In Southwest Florida we have 119 members. We have been challenged to grow our membership to 122 members by the end of this year. We are on track to accomplish this goal.

ASHRAE's Affiliate Member Grade allows a young member to join at a reduced cost. The first year the dues are reduced to \$54, the second year \$74, and the third year \$95. Please consider bringing your young employees and coworkers to an ASHRAE meeting and joining this great organization as an Affiliate Member.

Please welcome some of our newest members:

- Craig Selover-Selover Consulting
- Richard Nadeau-Johnson Controls/York
- David Moorhead- B&I

I would like to remind everyone that ASHRAE's Mission Statement is "To advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world."



GGAC Regional and Chapter Activities

US Federal Legislative & Regulatory Activities

For additional information on federal legislative and regulatory issues, please contact Mark Ames, ASHRAE's Senior Manager of Federal Government Affairs, at mames@ashrae.org.

Rep. Paul Ryan (R-WI-1) Selected as New Speaker of US House of Representatives

This past Thursday, Representative Paul Ryan was elected as the new Speaker of the US House of Representatives, making him one of the most powerful Republicans in the nation, as he now plays a central role in setting the legislative agenda for the House.

Ryan comes to power during a time of conflict within the Republican Party, and will be challenged to balance the demands of its centrist and more conservative wings. Going forward, Ryan will seek to reunify his party, and will likely enjoy a short honeymoon period. The question that many are asking is what legislation will the new Speaker seek to pass during this window of good feelings?

House Consideration of Energy Legislation May Have to Wait Until After Thanksgiving

Following the anticipated trend of a cramped congressional agenda, it now appears likely that House floor debate on the North American Energy Security and Infrastructure Act of 2015 ([H.R.8](#)) will occur sometime after Thanksgiving. As previously [reported](#), this bill contains the harmful building energy codes language that ASHRAE and many other groups strongly oppose. The delay in consideration may be a boon, as it provides additional time to discuss our concerns with Members of Congress and reach agreement.

DOE Releases Updated Methodology for Assessing Cost-Effectiveness of Building Energy Codes

Earlier this month, the US Department of Energy (DOE) unveiled an updated methodology that it uses for assessing the cost-effectiveness of building energy codes. The Department relies upon this methodology in evaluating both potential code changes and entire new editions of model codes, such as the IECC Standard 90.1.

EPA Releases Proposed Rule for Clean Power Plan Federal Backstop

To comply with the Clean Power Plan (CPP), States are encouraged to submit plans the US Environmental Protection Agency (EPA) for achieving certain greenhouse gas emissions reductions for existing fossil fuel-fired electric generating units. For States that do not submit an approvable plan, or who would rather not draft their own, the Agency will develop, implement, and enforce a Federal plan. Last week, EPA released a proposed Federal plan to meet the requirements of the CPP.

Comments are due on or before January 21, 2016.

Comment Period Reopened for DOE Proposed Rulemaking on Energy Conservation Standards for Refrigerated Beverage Vending Machines

Responding to a request from several stakeholders, DOE has reopened the comment period for its proposed rule on energy conservation standards for refrigerated beverage vending machines. The comment period is now opened through November 23, 2015.

The proposed rule discusses ASHRAE Standard 32.1-2010 Methods of Testing for Rating Vending Machines for Sealed Beverages.

January 2016 Edition

Upcoming Events

- January 13, 2016
 - FPL Rebate Program
- Jan. 25th-27th
 - ASHRAE 2016 in Orlando
- February 10, 2016
 - Lew Harriman

SWFL ASHRAE Refrigeration Tour

Date: Wednesday, January 13, 2016
Location: Holiday Inn at Gulf Coast Town Center

Time 6:00 to 7:00 Networking
 7:00 to 8:30 Dinner and Main Program

Cost: \$35.00 Per Attendee

There is no cost for college students with a valid student I.D.
Pre-Pay on our chapter website www.swflashrae.org
 or RSVP to Richard Brooks at Richard.Brooks@FPL.com

Main Program: FPL Rebates

This presentation covers the recent changes to FPL's HVAC Rebate Program. The program was updated November of last year. Topics to be covered include Thermal Energy Storage (TES), Energy Recovery Ventilation (ERV), Demand Control Ventilation (DCV), High Efficiency DX, and High Efficiency Chillers.

Guest Speaker: Richard Brooks, Sr. Engineer for Florida Power & Light

Richard is a native Floridian, born and raised in Jacksonville, FL. He is a Gator, graduating from the University of Florida with a BS in Mechanical Engineering. Richard is a registered Professional Engineer in the state of Florida and has an extensive background in Commercial & Industrial HVAC Systems. He has worked for fortune 500 companies including Johnson Controls, York, and Trane.

Currently, Richard resides in Fort Myers, FL supporting FPL's Demand Side Management group focusing on HVAC rebates from the West Coast of Florida and the Southeast Coast of Florida.

Richard is also the current President-Elect and Membership Promotion Chair for the SWFL ASHRAE Chapter!

**A message from Mr. Jason Hardman,
 SWF ASHRAE President**

HAPPY NEW YEAR! Hope everybody had wonderful Christmas and a safe and Happy New Year! Have you made your New Year's Resolution? Why not make it to attend at least 1 ASHRAE Meeting this year?! You won't regret it. We have some great topics coming up to close out our year. This month's meeting will be by our own President-Elect and Membership Promotion Chair, Mr. Richard Brooks. Richard will be discussing the FPL Rebates. There are changes happening, so make sure you make it to this meeting to stay up-to-date with the latest rebate programs!

Last month's Distillery tour at the Wicked Dolphin Rum Distillery was excellent! We have some pictures in case you missed it.

We are still looking for Sponsors and Volunteers for next year's CRC. If you are interested, please contact Richard Brooks (Richard.Brooks@fpl.com).

Finally, we are still looking for volunteers for our Student Activities Events. Last month, Richard Brooks and Bill Malphus helped referee at some of the FTC Robot Challenge Events, while Greg Clements, James Martin, and myself judged the FLL Lego events. We still need volunteers for these events, which are happening January 16th. If you would like more information on any of these events, please contact Bill Malphus (bmalphus@earthlink.net).

As always, thank you all for your support!

Jason Hardman
jhardman@tombarrow.com

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Refrigeration:	James Martin		
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GGAC Chair:	Heather Hsi		
Sustainability Chair:	Joy Milliman		
Fishing Chair:	TBD		

For Chair and Officer contact information, please visit www.SWFLASHRAE.org.

2016 ASHRAE Winter Conference and AHR Expo

Sun and fun make Florida a global destination! The 2016 ASHRAE Winter Conference and AHR Expo serve as similar attractions, drawing industry professionals from around the world to advance personally and professionally. The Conference will have a fresh feel with new tracks focused on design-build practices and residential systems as well as programs that align well with current trends in HVAC&R engineering. Energy efficiency and sustainability are emphasized along with current engineering and construction practices outside of the U.S. and Canada. Come experience Florida's attractions and ASHRAE's advances in technology.

Highlights!

- ASHRAE Headquarter Hotel is connected to the Orange County Convention Center, site of the AHR Expo. An easy walk to the latest and greatest technology!
- Kick off the Conference with a Welcome Party at SeaWorld!
- Technical Program features fresh feel with new tracks!
- Please visit ASHRAE.org for additional details!

Save the Date! Chapters Regional Conference (CRC)

is coming to the Southwest Florida Gulf Beaches!

Mark your Calendars for August 3-6, 2016 for our Annual event to conduct ASHRAE Regional Business, Train our Leaders, participate in Technical Sessions and have fun meeting new and old friends. The CRC committee has selected a FANTASTIC Resort that is guaranteed to WOW you—so please bring your families!

Please contact Kathleen Simpson for sponsorship (also see the attached flyer).

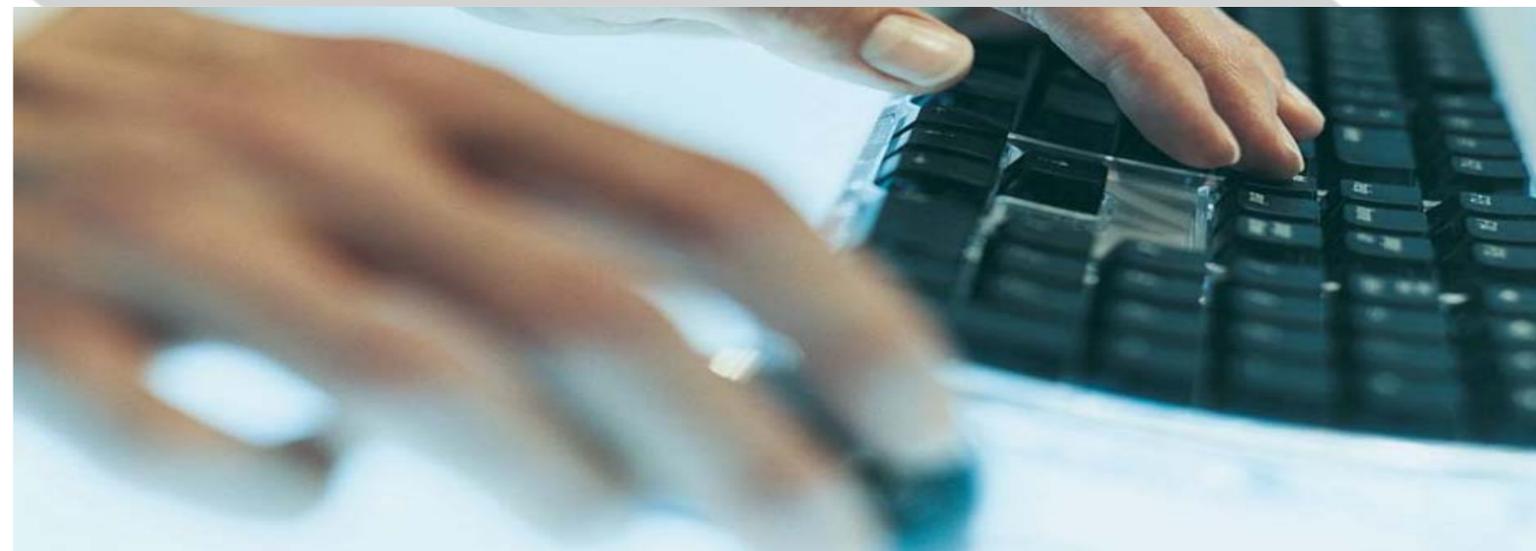
Hyatt Regency Coconut Point is offering a discounted hotel rate. Please contact Richard Brooks at Richard.Brooks@FPL.com for additional CRC details.

Refrigeration Update – James Martin

Alternative Air-Conditioning Refrigerants Show Big Gains at High Temperature

DUBAI, United Arab Emirates—Recent research found that climate-friendlier alternatives actually perform better than the most widely used HFC, R-410A, especially at very high temperatures. Results were presented Oct. 31 at a technical workshop in Dubai, one day after countries at the international Meeting of the Parties to the Montreal Protocol agreed to start formal negotiations about HFC phasedown proposals. Teams from Oak Ridge National Laboratory (ORNL), the Air-Conditioning, Heating, and Refrigeration Institute (AHRI), and the United Nations Environment Programme (UNEP) compared the cooling power and energy efficiency of R-410A and HCFC R-22 with lower global warming potential (GWP) alternatives, including R-290, HFC-32 and DR-55. Delegates from hot-climate countries, including Saudi Arabia, said that challenges remain, including the need to develop safety guidance, equipment availability, and training for technicians. Walid Chakroun, Ph.D., Fellow ASHRAE, of Kuwait University and the UNEP High Ambient Project, said that countries in hot climates would need only ten years to have all the details figured out and to ensure availability of climate-friendly equipment.

– Article by eindustry@ashrae.org The HVAC&R Industry, ASHRAE's free weekly eNewsletter 11/5/15



GGAC Regional and Chapter Activities

Congressional Democrats, Republicans to Plan Strategy at January Retreats

House and Senate Republicans will gather in Baltimore, Maryland next week for a retreat where they will piece together the major portions of their 2016 legislative agenda. Issues that are expected to be in the spotlight include: federal spending, tax reform, healthcare, climate change, gun control, and energy policy.

Democrats will hold their own retreat from January 27 to 29, where they will discuss their own legislative priorities.

The 2016 legislative calendar is expected to be front-loaded and packed with a dense amount of activity – although perhaps little legislation being enacted into law given the politics of the moment and upcoming elections. Energy legislation, budget, appropriations, FAA reauthorization, and the National Defense Authorization Act are among the issues that are, at this point, expected to dominate House and Senate floor time.

Curiously Uncertain Future for Senate Comprehensive Energy Bill

The Energy Policy Modernization Act (EPMA) of 2015 (S.2012) is the comprehensive bipartisan bill that is supported by most members of the Senate Energy & Natural Resources Committee – including the Committee's top Republican and Democrat. Additionally, because the many parts of EMPA have been working their way through Congress for the past several years, the attitudes of Members of Congress towards the bill are generally well-known. Despite all of this, the bills' fate remains unclear – for the moment.

According to Senate staff, given the anticipated congressional calendar and likely need to address other unforeseen events, the best time for EPMA to be debated and possibly passed is between January and early February. This is a unique window in which Members of Congress are in Washington, DC for an extended period of time with nothing definitely scheduled yet for the Senate floor. The schedule will solidify over the next two weeks.

If EPMA is debated on the Senate floor, it will likely occur under an open amendment process, which could either allow Members of Congress to voice their concerns and add favored provisions to it or grind consideration of the bill to a halt. While surprises do occur, if EPMA is derailed in January-February, it's unlikely to be taken up again until 2017.

President Obama Prepares to Give His Final State of the Union Address Next, Setting the Stage for His Last Days in Office

US President Barack Obama will deliver his final State of the Union address on Tuesday, January 12, where he will look back on his time in the Oval Office and present what he'll seek to accomplish before his term ends. Given the proximity of the Paris climate agreement at COP21 and the importance of his Clean Power Plan, it would be no surprise if President Obama discussed climate change and the need for environmental stewardship. The question is, since the buildings sector figures prominently in many of the President's energy and climate plans, will he mention high performance buildings?



**FTC Robot Challenge Events
December 2015**



ASHRAE **Southwest
Florida
Chapter**



**Wicked Dolphin Rum Distillery Tour
December 2015 Meeting**

February 2016 Edition

Upcoming Events

February 10, 2016

- Lew Harriman

March 9, 2016

- Jerry Spies

SWFL ASHRAE Meeting Announcement

Joint meeting with A.I.A.!

Date: Wednesday, February 10, 2016

Location: Holiday Inn at Gulf Coast Town Center

Time 6:00 to 7:00 **Networking**

7:00 to 8:30 **Dinner and Main Program**

Cost: \$35.00 Per Attendee

There is no cost for college students with a valid student I.D.

Pre-Pay on our chapter website www.swflashrae.org

or RSVP to Richard Brooks at Richard.Brooks@FPL.com

Main Program: Real World Integrated Design

Integrated design for buildings offers the potential for major, world-class reductions in energy, as well as improvements in comfort and cost reduction. But the process is not always smooth. This talk describes some of real-world interactions between buildings and HVAC systems in daily operation. With this information, both Architects and Mechanical Engineers will understand ways to improve buildings and HVAC systems for the benefit of the occupants as well as the benefit of building owners. This lecture has proven popular with Architects, Energy Auditors and Building Managers in addition to Mechanical Engineers and students.

Guest Speaker: Lew Harriman, is Director of Research at Mason-Grant Consulting in Portsmouth, NH. He has 35 years of experience researching and solving problems related to energy, humidity and moisture in buildings and industrial processes. In recognition of his professional accomplishments, in 2010 Lew was elected a Fellow of ASHRAE. Lew was the lead author and project manager for the ASHRAE Humidity Control Design Guide, and also for the ASHRAE Guide for Buildings in Hot & Humid Climates. He serves as Chair of ASHRAE Technical Committee 1.12 (Moisture Management in Buildings), and also as Chair of the Document Revision Committee for the ASHRAE Position Document titled: Limiting Indoor Mold and Dampness in Buildings. Lew received his degree in Visual studies/Architecture from Dartmouth in 1971, where he also served as a Spanish language instructor. He served five years in the U.S. Air Force as a Captain in the Engineering & Services Division of the Headquarters, Strategic Air Command, and ten years working as application engineer and new markets manager for an international manufacturer of precision dehumidification systems. For the last 25 years, Lew has been a building science consultant, building forensic investigator, researcher, lecturer and author. He has lectured on the topics of humidity control design and trouble-shooting, ventilation system design, building moisture management, infrared analysis of building systems, mold prevention and building energy retrofits for architects, engineers, contractors and building operators throughout North America, Europe and Asia.

A message from Mr. Jason Hardman, SWF ASHRAE President

We had a fantastic meeting last month with our own President-Elect and Membership Promotion Chair Richard Brooks discussing the changes with the FPL Rebates. There are a lot of great changes that affect many of us in the industry, so hopefully you were able to make it to learn about these changes.

We are very excited and honored to have ASHRAE Distinguished Lecturer Lew Harriman for this month's meeting. We are also having a joint meeting with AIA (American Institute of Architects), so we hope to have a packed house! Please RSVP to Richard.Brooks@fpl.com as soon as possible and no later than Friday, February 5th.

Last month we had several volunteers for our FIRST Lego League Tournament as well as our FIRST Tech Challenge. Thank you to Richard Brooks, Isaac Lima, James Martin, Gena Knight, Heath Caulfield, and Bill Malphus for volunteering your time. The parents, coaches, and kids really appreciate it! There are still more opportunities to volunteer including the STEMtastic event that will be held at the Harborside Events Center on Saturday, February 13th. Stay tuned for more info.

Planning is ongoing for the SWFL CRC, which will be held from August 3rd through August 6th at the Hyatt Regency at Coconut Point. It's only February, but before you know it, May and June sneak up on us. Don't forget to Reserve your Hotel for this year's CRC! Rooms are first come, first serve and you will NOT be charged until the day of the event, so book now and get it out of the way! The Hyatt Regency at Coconut Point is an amazing location and we are very excited to be having the event here. We are looking for sponsors for this event. See the CRC Sponsorship Flyer later in the Newsletter. We will be uploading sponsor logos to the CRC, Chapter, and Regional websites as we get commitments, so let Kathleen know ASAP if you would like to sponsor so we can get your company logo uploaded!

It brings deep sorrow to bring you the news of one of our Regional Members recently passing. Mr. Bob Baker passed away on Sunday, January 10th. Bob was our CTTC Regional Vice Chair for Region XII as well as a part of many Technical Committees. Many of you know Mr. Baker as he was very involved with ASHRAE at a local, regional, and society level. Formal announcements have not been sent out, but will be forwarded once available.

SWF ASHRAE Chapter Officers 2015 to 2016

President:	Jason Hardman	Newsletter:	Heather Hsi
President Elect:	Richard Brooks	Webmaster:	Matt
Vice President:	Ashley Fernandez	Sustainability Chair:	Joy Milliman
Secretary:	James Martin	Golf Chair:	Isaac Lima
Treasurer:	Woody Wilson		Ashley Fernandez
Research Promotion:	Ashley Fernandez	Reception:	Isaac Newton
Historian:	Isaac Lima	BOG 1:	Bill Malphus
Membership:	Richard Brooks	BOG 2:	John Pennington
CTTC:	Kathleen Simpson	BOG 3:	Woody Wilson
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Save the Date! Chapters Regional Conference (CRC)

SW Florida Chapter #139 is hosting this year's CRC. The venue will be held at the Hyatt Regency Coconut Point in Estero. The dates are Wednesday 08/03/2016 through Saturday 08/06/2016. The schedule looks like golf on Wednesday, business meetings on Thursday, caucus on Friday, workshop/training on Saturday for the different chair positions.

A flyer will be emailed shortly with the details on how to reserve your room. You can log into the Hyatt's automated registration link, provide a credit card to hold your room, and you will not be charged until the event in early August. I urge you to reserve your room now as the number of rooms are limited. We are also looking for volunteers to help coordinate this event. Please contact Richard Brooks if interested. His email address is Richard.Brooks@FPL.com There are no shortage of things to do!!!

Lastly, sponsorships are available for this great event. If interested, please contact Kathleen Simpson to coordinate. Her email address is ksimpson@bandiflorida.com This is a great way to show your company's support of ASHRAE.

Many thanks to those companies that have already committed to sponsorships:

Luvata, B & I, Flow Control, & Conditioned Air

Without your help and patronage, this event would not be nearly as successful. **Thank you!!!**

Membership Update – Richard Brooks

Did you know that there are several types of ASHRAE members? The four main categories are as follows: Student, Affiliate, Associate, and Member. Our local chapter receives "points" for upgrading to the next level of membership. Please update your ASHRAE profile online at the ASHRAE website. If appropriate, update your membership type (say from Associate to Member). In Southwest Florida we currently have 119 active members. ASHRAE's Affiliate Member Grade allows a young member to join at a reduced cost. The first year the dues are reduced to \$54, the second year \$74, and the third year \$95. Please consider bringing your young employees and coworkers to an ASHRAE meeting and joining this great organization as an Affiliate Member.

Please welcome our newest members:

- Joshua Wolfe
- Steve Clark
- William Mejia

Welcome!

Refrigeration Update – James Martin

Guidance on Low-GWP Refrigerants Presented at ASHRAE Winter Conference

Countries with hot climates are seeking next-generation low global warming potential (GWP) refrigerants. The challenges of hot countries to find refrigerant alternatives for the widely used HCFC-22 in residential air-conditioning will be discussed in a seminar at the 2016 ASHRAE Winter Conference. Countries with high dependency on refrigeration and air-conditioning applications are mainly located in the Middle East and particularly in the Gulf region. Those countries have traditionally been recipients of globally proven refrigeration technologies. "This trend is witnessing a change lately with movement of regional industry to enhance its research and selection capacities, but it remains framed with what is commercially available worldwide in terms of the raw materials," said seminar chair Walid Chakroun, Ph.D., Fellow ASHRAE. The seminar, "Evaluating Low-GWP Refrigerants for Air-Conditioning Industry in High Ambient Temperature Countries," is part of the Conference's Technical Program, which features eight tracks and some 100 sessions. The Conference will be held Jan. 23–27 in Orlando, Fla.

– Article by eSociety@ashrae.org E Society Monthly News - January 2016 Vol. 8, No. 1



Research Promotion Update – Ashley Fernandez

The new year is upon us and I am happy to report we are well on our way to meet our RP goal. Attached is an updated RP fund thermometer, we are currently 54% of our goal, which has us right on target for the year. Look out for our Fishing tournament to come in April 2016 and as always thank you for your support!!!!



GGAC Regional and Chapter Activities

Senate Energy Bill Derailed by Flint Water Crisis Funding Fight

US Senate consideration of the Energy Policy Modernization Act ([S.2012](#)) has, at least temporarily, ground to a halt as a result of disputes over emergency funding levels in response to the drinking water crisis in Flint, Michigan. Senator Lisa Murkowski (R-AK), Chairwoman of the Energy & Natural Resources Committee, proposed an amendment that would have provided \$550 million to Flint, however a group of Democrats united in opposition, seeking another solution. Negotiations are ongoing, and while Senators are expressing hope, it is clear that much work remains and time is short, as Senators are becoming anxious to move on to other matters that demand their attention.

To date, over 300 amendments have been proposed, and votes have been held on 38. One of the amendments that ASHRAE supports (promoting the use of reclaimed refrigerants in federal facilities) was approved by voice vote. The Society is encouraging Senators to allow votes on several other amendments on a variety of issues that we support. No amendments that ASHRAE opposes have been added to the bill.

ASHRAE Submits Comments to EPA on Proposed Refrigerant Management Rulemaking

Responding to the US Environmental Protection Agency's (EPA) proposed rulemaking on refrigerant management under Section 608 of the Clean Air Act, ASHRAE submitted comments to EPA in January. The Society's comments addressed several areas, including: Enforcement, Technical Certification, Recordkeeping, Leak Detection and Repair, Recovery, Standards, and Seasonal Variances.

Now Available! Revised OMB Circular A-119 "Federal Participation in the Development and Use of Voluntary Consensus Standards and in Conformity Assessment Activities"

It's been quite a while, but the US Office of Management and Budget (OMB) has released an update to its Circular A-119, which provides guidance to Federal agencies, and encourages them to promote participation in and rely on standards developed by the private sector. The previous update to the Circular was issued 18 years ago in 1998.

Arizona House Bill 2130 a Virtual Repeat of Last Year

Lawmakers in Arizona, concerned about the constitutional viability of legislation passed last year that prohibited cities and counties from mandating benchmarking of buildings, have introduced a virtually identical bill this year. Last year's bill is subject to a lawsuit which, in part, is called into question because it may have violated Arizona's rules that two unrelated provisions may not be bundled into the same legislation. Dave Palty, Chair of the Tucson Chapter's GGAC, has sent (on behalf of the Chapter) an email of opposition to every member of the Arizona legislature. His email outlines the importance of obtaining and interpreting building energy data for that state's future.

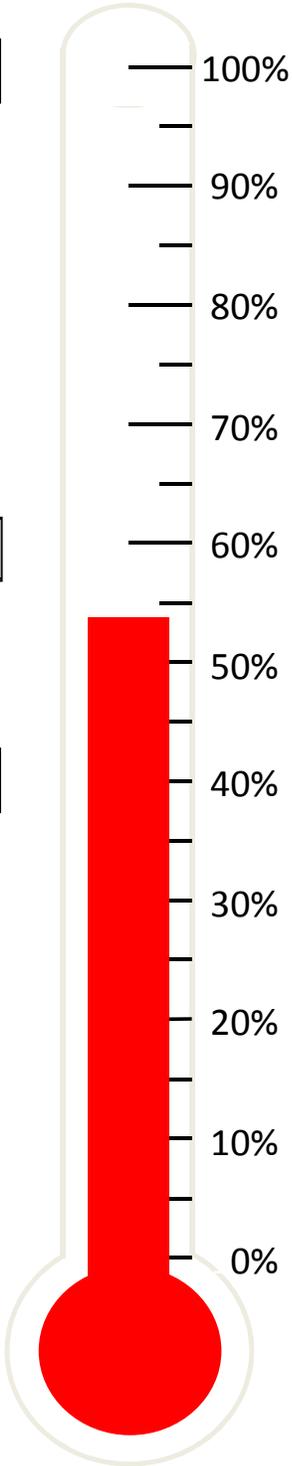
ASHRAE Twin Tiers Chapter Plans EWeek Celebration

The ASHRAE Twin Tiers Chapter is planning a celebration dinner as part of this year's recognition of Engineers Week (EWeek). The Holiday Inn Arena in Binghamton, NY is the location of the meeting, "Let's Make A Difference", which will feature a dinner, guest speaker, poster presentation and awards. Each individual or company is invited to bring a poster and an easel to "show off" a completed project that was successful. All posters will be on display for viewing during arrival time.

Goal Amount: \$ 15,500

Current Amount: \$ 8,493

Goal Achievement: 54%



ASHRAE SWFL RP FUND

ASHRAE South west Florida Chapter

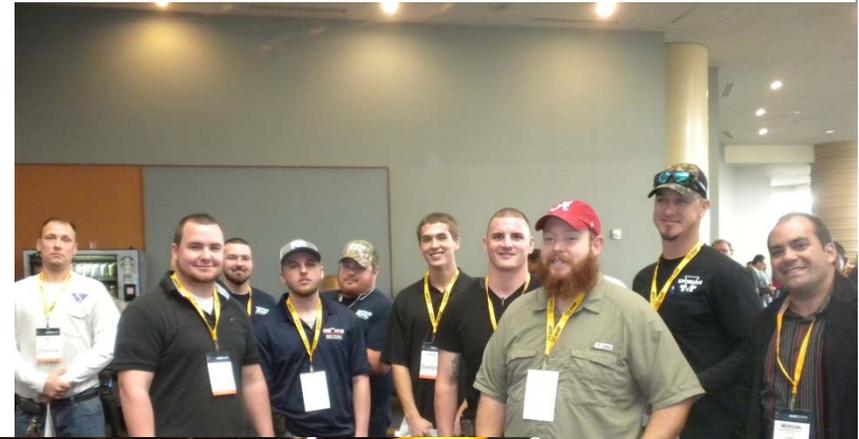


January 2016 Meeting and
FL Lego League



January 2016 AHR EXPO

On January 26th, 2016 Tri-County Apprenticeship Academy with the generous help of ASHRAE and the Educational Committee of SWAACA made it possible for 36 HVAC Apprentices to attend the 2016 AHR Expo in Orlando Florida. The apprentices enjoy a day filled with vendors, manufactures and completions. Apprentices were given the opportunity to acquire credit towards classroom related instruction when they completed an event summary sheet. The assignment required that all apprentices would have to visit ten booths at the event and gather information about new technology, products and services to the HVAC industry. Anthony Tovar - HVAC Year 1 apprentice made comment; "I enjoyed every minute of the event and can't wait to do it again." Our apprentices were fascinated with all the new products and technology that will help them me more efficient in their daily task, as well as allow them to provide better service to their customers. Many of the vendors were interested in providing donations to the academy of new technology, tools and equipment that the apprentices can work with during their lab instruction. Tri-County Apprenticeship Academy also had an HVAC Year 2 apprentice "Graydon Bullard" participate in The Hilmor Fastest Hands Challenge. It was nice seeing the apprentices cheer on their fellow classmate. This was TCAA's first time taking our apprentices to an event like this and they had a great time. Several of our Participating Employers brought their apprentices to the event and seeing the contractors taking a hands-on approach to furthering their apprentices learning experience is what "Apprenticeship" is all about!



March 2016 Edition

Upcoming Events

March 16th, 2016

- Lawrin Ellis, P.E.

April 13th, 2016

- Ray Patenaude

SWFL ASHRAE Meeting Announcement

Research Promotion and Employer Recognition Night!

Date: Wednesday, March 16, 2016
Location: Holiday Inn at Gulf Coast Town Center
Time 5:30 to 6:45 **Networking**
 6:45 to 8:00 **Dinner and Main Program**
Cost: \$35.00 Per Attendee
There is no cost for college students with a valid student I.D.
Pre-Pay on our chapter website www.swflashrae.org
 or RSVP to Richard Brooks at Richard.Brooks@FPL.com

Main Program: Signing and Sealing Engineering Documents - F.A.C. 61G15-23

In 2012 the Florida Board of Professional Engineers (FBPE) began updating rules regarding the various methods for signing, dating, and sealing record documents. The changes became cumbersome and difficult to navigate resulting in numerous complaints from licensees and increasing the number of improperly signed, dated and sealed documents that were turned over to the Board. In response the FBPE undertook the process of reorganizing F.A.C. 61G15, Chapter 23, "Seals", with the updates going into effect in November of 2015. The goal was to break up the chapter by section to address all of the methods of signing and sealing individually and appropriately. The purpose of this presentation is to introduce the key points, the organization of F.A.C. 61G15-23 and to provide a discussion with examples on how to sign, date and seal engineering documents. This presentation is as an introduction to provide guidance. Licensees are still required to read and understand all of the rules that govern the practice of engineering within the state of Florida in their entirety.

Guest Speaker: Lawrin Ellis, PE, PE, LEED AP, CxA

Lawrin Ellis, PE, LEED AP, CxA, joined TLC in 2006 with 13 years experience in engineering and technical support for a manufacturer of residential and commercial ventilation equipment. He left manufacturing and returned to school full-time in 1999 to pursue degrees in mechanical engineering. He holds a Bachelors Degree from the University of South Florida (Dec 2001) and a Master's Degree from the University of Florida (May 2003). He now specializes in engineering analysis and design of mechanical systems for commercial, institutional, educational, and residential buildings and has over 15 years experience in engineering acoustics. His mechanical system experience includes, but is not limited to, HVAC systems design; energy analysis and life cycle cost analysis; documentation for energy code compliance; smoke control and smoke evacuation systems and air pressurization systems. He also has extensive experience in whole building energy simulation, sustainable design practices, and performs HVAC systems commissioning.

Lawrin is currently the Southwest Florida Manager for TLC Gulf Coast Operations (GCO) Region and is a Principal with TLC. The TLC GCO region includes office locations in Fort Myers, Sarasota, Tampa, and New Orleans.

**A message from Mr. Jason Hardman,
SWF ASHRAE President**

Greetings SWFL Chapter! Last month's meeting with Lew Harriman was a HUGE success! We had a great turnout and the meeting was awesome! A special thanks to AIA for joining us for a joint meeting!

Unfortunately, due to a death in the family, our original speaker had to cancel and we moved the meeting back a week from the original March 9th date to Wednesday, March 16th. We are very excited to be inviting SWFL ASHRAE Past President Lawrin Ellis, PE. Lawrin will be discussing the new process and requirements for electronically signing and sealing documents. Please RSVP to Richard.Brooks@fpl.com as soon as possible and no later than Friday, March 11th.

Last month we participated in Lee County School Board's Annual STEMtastic event at the Harborside Events Center. Thank you to Bill Malphus, Kathleen Simpson, and Ashley Fernandez for volunteering! We had a TON of kids stop by our booth to learn about potential energy, friction, and how they affect velocity/speed.

Planning is ongoing for the SWFL CRC, which will be held from August 3rd through August 6th at the Hyatt Regency at Coconut Point. It's only February, but before you know it, May and June sneak up on us. Don't forget to Reserve your Hotel for this year's CRC! Rooms are first come, first serve and you will NOT be charged until the day of the event, so book now and get it out of the way! The Hyatt Regency at Coconut Point is an amazing location and we are very excited to be having the event here. We are looking for sponsors for this event. See the CRC Sponsorship Flyer later in the Newsletter. We will be uploading sponsor logos to the CRC, Chapter, and Regional websites as we get commitments, so let Kathleen know ASAP if you would like to sponsor so we can get your company logo uploaded! Thank you to those who have already committed!

Thank you,

Jason Hardman
jhardman@tombarrow.com

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President Elect:	Richard Brooks	Webmaster:	Matt
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The CRC webpage is at the top of Region 12's website. Click on "CRC" and then "Next".

<http://region12.ashraeregions.org/?page=crc&lang=en>

The link above takes you directly to the Region 12 CRC Page. There is a hotel reservation link on this web page. You can log into the Hyatt's automated registration link, provide a credit card to hold your room, and you will not be charged until the event in early August. I urge you to reserve your room now as the number of rooms are limited.

The schedule looks like golf on Wednesday, business meetings on Thursday, caucus on Friday, workshop/training on Saturday for the different chair positions.

We are meeting with the hotel staff this month to coordinate our meeting room requirements. More to follow. We are also looking for volunteers to help coordinate this event. Please contact Richard Brooks if interested. His email address is Richard.Brooks@FPL.com. We have many opportunities to help!!!

Lastly, sponsorships are available for this great event. If interested, please contact Kathleen Simpson to coordinate. Her email address is ksimpson@bandiflorida.com. Sponsorship is a great way to show your company's support of ASHRAE. Many thanks to those companies that have already committed to sponsorships: Luvata, B&I, Flow Control, Tom Barrow and Conditioned Air. Without your help and patronage, this event would not be nearly as successful. Thank you!!!

Student Activities – Bill Malphus

At the February 10, chapter meeting Daniel Franco and Maxwell Miller were both awarded a \$500.00 scholarship from the Southwest Florida Chapter. Daniel Franco is a senior at Florida Gulf Coast University and will be receiving a Civil and Environmental dual-engineering Degree. He will also be the recipient of the FGCU Engineer Student of the year Award. Daniel's academic background includes the President's List and Dean's list-FGCU, FGCU Honors Program Mentor, and Officer in Colombian Outreach Society Club-FGCU. Maxwell Miller is pursuing an Environmental Engineering Degree expected in May 2018. He is on the Dean's List 3.90. The summer of 2015, he was an EMS Environmental Summer Intern and as Site manager for a multi-million dollar environmental remediation, took part managing soil and groundwater remediation, sampling, air monitoring, etc. Both Daniel and Maxwell are now ASHRAE Student members.

Refrigeration Update – James Martin

Residential Refrigerator Manufacturers Call for Voluntary Phase-Down of HFCs

WASHINGTON, D.C.—The Association of Home Appliance Manufacturers (AHAM) has announced a goal to voluntarily phase down the use of hydrofluorocarbon (HFC) refrigerants used in household refrigerators and freezers after 2024. The organization is seeking the support of government and safety authorities. In a release, AHAM said "A transition away from HFCs will present design and engineering challenges for manufacturers and will require significant engineering updates to refrigerators and freezers. The appliance industry, however, is willing and able to take on this task so that refrigerators continue to be a non-factor in the global emissions of greenhouse gases."

– Article by eindustry@ashrae.org The HVAC&R Industry, Weekly News – February 25, 2016 Vol. 15, No. 8



Fishing tournament is coming!

It's that time of year again for our Annual ASHRAE Backwater Fishing Tournament! We're looking for sponsors, fisherman/fisherwomen, and volunteers! If interested, please contact Shane! I have cc'd him above or his information is in the attached flyer.

We are working on adding options for payment online via PayPal, but feel free to let Shane know in the meantime if you can sponsor and/or would like to fish!

This is going to be a GREAT event! We're at a new location this year and we think it will work out better for everyone than the past few years.

Please don't hesitate to ask myself or Shane if you have any questions. We look forward to seeing you at the tournament!



GGAC Regional and Chapter Activities

ASHRAE Mentioned in Two National News Articles

Two recently published stories, highlighting the recent legionella outbreaks in New York City and Flint, Michigan, mention ASHRAE by name. The first from ABC News, dated February 16, 2016, is [Testing Change Possible After Flint-area Legionella Outbreak](#) and focuses on the water crisis and the ensuing legionella outbreak in Flint, MI. The second article, "[How New York City can learn from Flint.](#)" was published on February 18, 2016 in the New York Daily News. Both encourage adoption of the new ANSI/ASHRAE Standard 188-2015, Legionellosis: Risk Management for Building Water Systems as part of those city's effort to prevent the bacteria that causes legionella. The Standard is available in a read-only format [here](#). These articles and the link to this, and other, standards can be of great help in approaching elected and appointed officials to promote ASHRAE Standards, products, services, and technical expertise.

NOPR in Pennsylvania on Water Issues includes references to Legionella and Asbestos

The Pennsylvania Bulletin, published on Saturday, February 20, 2016, has given notice of a proposed rule (NOPR) from their Environmental Quality Board (Board) regarding amending existing disinfection requirements rules. This proposed rulemaking was adopted by the Board at its meeting of November 17, 2015 and will go into effect upon final form publication in the Pennsylvania Bulletin. The submission of a sample siting plan is required six months after promulgation to allow time for development of the plan. The Board is seeking comment on whether other provisions of the proposed rulemaking should be deferred. This is a very lengthy rule that applies to a number of water issues. Of interest to ASHRAE are the references in the proposed rule to legionella and asbestos.

To view the rule and gather information on how to make comments, please go to <http://www.pabulletin.com/secure/data/vol46/46-8/278.html>.

State Legislative Sessions Already Concluding

Only a few weeks have passed since the beginning of 2016 state legislative sessions, but one legislative session has already ended. Lawmakers in New Mexico completed their 2016 session on February 18 after approving a \$6.2 billion budget, \$166 million in infrastructure improvement spending, regulations on ride-booking services such as Uber, and legislation to require student athletes to wait longer to return from concussions. Lawmakers in that state were unable to reach an agreement on the creation of an ethics commission, mandatory retention for third-graders who cannot read proficiently, pension forfeiture for corrupt public officials and a gas tax hike. Governor Susana Martinez (R) – who possesses a pocket veto – has until March 9 to sign or veto legislation that reaches her desk.

Like Us On Facebook

Make sure to Like the ASHRAE Grassroots Government Advocacy Committee (GGAC) page on Facebook. The ASHRAE GGAC Facebook page can be found at <https://www.facebook.com/ASHRAEGGAC/>.

GGAC Postings on Social Media

Have something regarding government affairs issue in your area you think appropriate for posting on GGAC social media outlets such as Facebook and Linked In? If so, ASHRAE has a new email address for submitting ideas for content. Send stories, news links and other information to social@ashrae.org.



ASHRAE **Southwest**
Florida
Chapter

February 2016 Meeting





Adopt A Highway ASHRAE Sustainability Event for Region 12 on January 30th 2016. Had a wonderful time Doing Adopt a Highway in Fort Myers, FL. Everyone met with smiles at Lazy Flamingo off McGregor Blvd and we did a total of 1 ½ miles of Clean up for our Community!



Joy Milliman

April 2016 Edition

Upcoming Events

April 13th, 2016

- Ray Patenaude

April 30th, 2016 – Fishing Tournament

May 11th, 2016

- Chris Mathis
- Past President's Night

SWFL ASHRAE Meeting Announcement

Joint meeting with SWACC and History night!

Date: Wednesday, April 13th, 2016
Location: Holiday Inn at Gulf Coast Town Center
Time 5:30 to 6:45 **Networking**
 6:45 to 8:00 **Dinner and Main Program**
Cost: \$35.00 Per Attendee
 There is no cost for college students with a valid student I.D.
 Pre-Pay on our chapter website www.swflashrae.org
 or RSVP to Richard Brooks at Richard.Brooks@FPL.com

Main Program: Humidity Control in Buildings

Designing buildings for humidity control requires the integration of techniques found in the ASHRAE Humidity Control Design Guide. Mr. Patenaude, P.E. will provide a presentation on the fundamentals of humidity control including estimating dehumidification loads, control of outdoor ventilation air with the use of dedicated outdoor air systems and building air pressurization. These three building systems are the main cause for concern for HVAC Engineers and comprise most building failures in hot and humid areas.

Guest Speaker: Raymond E. Patenaude, PE

Raymond E. Patenaude, PE, CPMP, CIAQP, CEM, Managing Partner of the Holmes Engineering Group LLC, is a registered Florida Professional Engineer specializing in forensic engineering of HVAC systems, moisture intrusion into buildings, and microbial contamination of building environments. He has been a Consulting and Forensic Engineer for over thirty-four years involved with the analysis, design and construction of building systems. As a recognized expert in his field, Mr. Patenaude, provides professional consultation and forensic investigation in building science including: cause and origin of construction defects; building envelope assessments; HVAC failure causation analysis; energy analysis; moisture intrusion; mold growth investigations; remediation management; claims and litigation support.

Mr. Patenaude is a former ASHRAE Vice President and current Distinguished Lecturer. He serves the Society as a member of TC 1.12, Moisture Management in Buildings, Past Chair of the Project Monitoring Sub-Committee for the new "ASHRAE Guide for Buildings in Hot and Humid Climates" and a member of Standard 100, "Energy Conservation in Existing Buildings". In addition, Mr. Patenaude is also a member of the National Society of Professional Engineers, the National Academy of Forensic Engineers, the National Academy of Building Inspection Engineers, the Florida Engineering Society, Indoor Air Quality Association, and the Chairman of the Board of the Certified Indoor Air Quality Professionals. He has presented at various worldwide conferences including ISHRAE and FEBRAVA.

A message from Mr. Jason Hardman, SWF ASHRAE President

Hope everyone had a safe and happy Easter! The snowbirds appear to have started heading North as the roads are beginning to become less crowded!

Last month, our own Lawrin Ellis, spoke regarding the requirements and process for electronically signing and sealing documents. It is very important and Lawrin did an excellent job in making it a fun and interesting meeting! Thanks again Lawrin!

We continue planning for our upcoming **Fishing Tournament** and **CRC** and we are still looking for sponsors. Thank you to those that have already committed! As soon as the sponsorship is paid, your Company logo will be included on the website as well as through ongoing correspondence, so get them in ASAP to maximize your dollars! ☺

Thank you,

Jason Hardman
jhardman@tombarrow.com



Lawrin Ellis, P.E., speaker for March 2016 Meeting and Jason Hardman, SWFL President

SWF ASHRAE Chapter Officers 2015 to 2016

President:	Jason Hardman	Newsletter:	Heather Hsi
President Elect:	Richard Brooks	Webmaster:	Matt
Vice President:	Ashley Fernandez	Sustainability Chair:	Joy Milliman
Secretary:	James Martin	Golf Chair:	Isaac Lima
Treasurer:	Woody Wilson		Ashley Fernandez
Research Promotion:	Ashley Fernandez	Reception:	Isaac Newton
Historian:	Isaac Lima	BOG 1:	Bill Malphus
Membership:	Richard Brooks	BOG 2:	John Pennington
CTTC:	Kathleen Simpson	BOG 3:	Woody Wilson
Programs:	John Pennington	BOG 4:	Pat Graef
Student Activities:	Bill Malphus		
YEA:	Newton Freire		
Refrigeration:	James Martin		
Honors and Awards:	Woody Wilson		
GGAC Chair:	Heather Hsi		
Fishing Chair:	Shane Vaughan		

For Chair and Officer contact information, please visit www.SWFLASHRAE.org.

Student Activities – Bill Malphus

K-12

On March 24, 2016 the Collier County 2016 Building and Trades Fair was held at Palmetto Ridge High School. An ASHRAE table booth was set up and maintained by Kathleen Simpson, Jason Hardman, Woody Wilson and Bill Malphus.



The Fair was between 9:00am and 1:00pm. The Fair was attended by students in the construction academy of the Palmetto Ridge and Lely High Schools. Over 150 students were present to view the various booths set up by General Contractors, Mechanical Contractors, Collier County Public Works, and distribution warehouses. At the ASHRAE booth we discussed how to go about a career in the HVAC&R Industry whether it be through an engineering degree or HVAC apprentice school. Brochures were available on “The Path to Engineering” which helps students on what they must do to pursue engineering degrees. This helped answer the questions from the student as to How do I get into the HVAC industry and studies.

K-12/ Stem Award.

Southwest Florida Chapter now qualifies for the K-12/Stem award and application has been submitted. It requires all chapter officers to participate in at least one K-12 activity.

Refrigeration Update – James Martin

DOE Seeks to Include 'Miscellaneous Refrigeration Products' Under Energy Regulations

WASHINGTON, D.C.—The U.S. Department of Energy (DOE) is initiating a rulemaking to develop a potential test procedure and energy conservation standard for miscellaneous residential refrigeration products (MREFs), which include coolers and combination cooler-refrigeration products, that are not currently covered as residential refrigerators, refrigerator-freezers, or freezers under the Energy Policy and Conservation Act. DOE is also proposing specific definitions of the product categories that would fall within the MREF product type. In addition, DOE is proposing to amend its current definitions for refrigerators, refrigerator-freezers, and freezers to help clarify the distinctions between the proposed covered product definitions for MREFs. DOE is seeking public comment by April 4 on the proposed rulemaking.

– Article by eindustry@ashrae.org The HVAC&R Industry, Weekly News – March 10, 2016 Vol. 15, No. 9



Please see the attached information and forms for the

SWFL ASHRAE fishing tournament

and

C.R.C.!

GGAC Regional and Chapter Activities

Contact A Policymaker? Of Course You Can!

Where do you turn when you want to take action on a local, State or national issue? For much of ASHRAE's history, there wasn't an effective answer to this question. However, responding in 2015, the Society joined the growing ranks of other professional organizations by obtaining user-friendly software that tracks legislation and regulations at the US Federal and State levels. Bill Track 50/Votility puts everything members need for successful grassroots advocacy contact in one place. This private, member's only platform makes it super simple to engage in policy issues. It enables ASHRAE's members to contact elected and appointed leaders at virtually any level of government to register support for or concern about proposed legislation, regulations, and other policy concerns. Sample letters are provided (which members are encouraged to personalize) and policymakers' email addresses load automatically. All members have to do is fill in their own name, address, email and click SEND. Then, through the wonder of electronic communication, one or dozens of government officials are contacted. The resulting effect is that, for the first time, the grassroots strength and technical expertise of ASHRAE's members can be made known to policymakers at scale – which has the potential to alter the course of legislation and regulations. Because we believe in continuous improvement and, as the saying goes “you can't manage what you don't measure,” the software provides us with key metrics that allow us to learn from these efforts, enhancing the effectiveness of future activities.

Although only three Action Alerts have been issued to targeted groups of ASHRAE members, almost 1,000 messages have been sent from members to various government officials on legislation. This is an impressive response for something no one in ASHRAE had used before. To access the software or to watch a YouTube tutorial, go to www.ashrae.org/GGAC. Though the bill tracking portion at this time only follows proposed US Federal and State legislation and regulations, the element in the software for contacting policymakers can be used anywhere in the world as long as that policymaker has a valid email address. What a difference software can make and what a difference ASHRAE members can have when united in our efforts for “shaping tomorrow's built environment today!”

Illinois Budget Impasse Impacting State Energy Efficiency Projects

Illinois' year-long budget impasse is having a damaging effect on the State's clean energy jobs and its successful energy efficiency projects. Millions of dollars of public and low-income efficiency projects across the State have been on hold or cancelled due to the budget impasse. This funding would have paid for lighting, heating and air conditioning upgrades at schools, libraries, fire stations and other municipal facilities. Further complicating matters, most of the \$76 million earmarked for those projects will disappear if a budget is not in place by May 31. State Representative Marcus Evans (HB 5971) and State Senator Daniel Biss (SB2802 and SB2803) have sponsored legislation to fund the State's Energy Efficiency Portfolio Standard (EEPS) program. For access to these bills and to contact your State legislator, click [here](#).

South Carolina Senate Bill 1164 Would Remove Energy Code from Statute

South Carolina Senate Bill 1164, recently introduced, would remove from State law any part of the State code relating to energy efficiency. Additionally, this bill would amend the State residential building code, changing it from a three-year cycle to a six-year cycle, although the commercial code would remain on the three-year cycle. Also of concern in this bill is language which would give almost complete power to various “technical committees” yet to be established and which would require a two-thirds majority from the Building Codes Council to overturn their recommendation, essentially gutting the authority of the Building Code Council and producing what could be a very negative recommendation on using a current version of ASHRAE 90.1. Language is also inserted into this draft legislation that would give the Building Code Council the option of not using a national model code. The bill was referred to the Committee on Labor, Commerce and Industry.

ASHRAE Consumer Center

Top 10 Ways Homeowners Can Ensure Good Indoor Air Quality

from the American Society of Heating, Refrigerating and Air-Conditioning Engineers

1. Vent bathrooms, kitchens, toilets and laundry rooms directly outdoors. Use energy efficient and quiet fans.

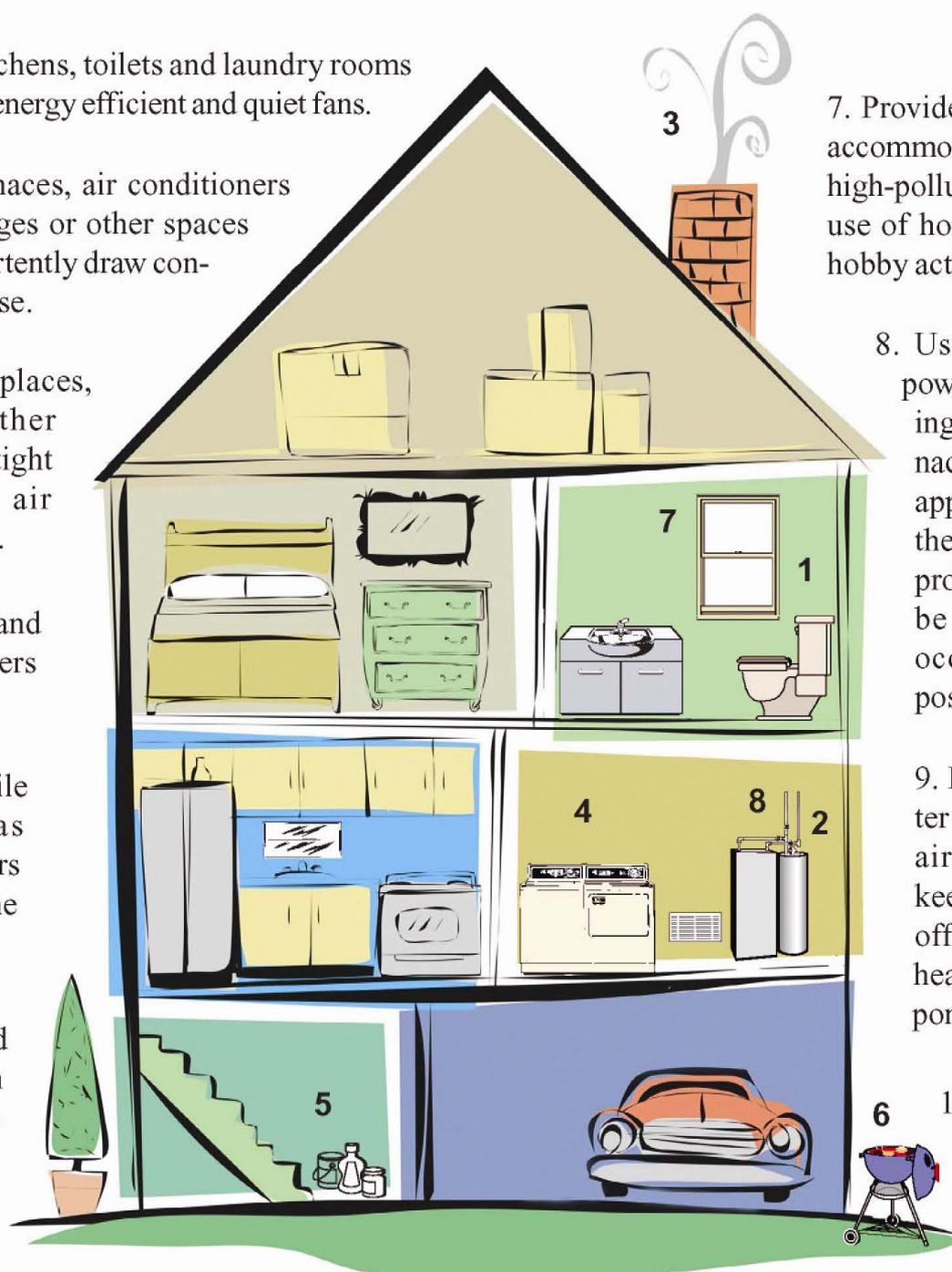
2. Avoid locating furnaces, air conditioners and ductwork in garages or other spaces where they can inadvertently draw contaminants into the house.

3. Properly vent fireplaces, wood stoves and other hearth products; use tight doors and outdoor air intakes when possible.

4. Vent clothes dryers and central vacuum cleaners directly outdoors.

5. Store toxic or volatile compounds such as paints, solvents, cleaners and pesticides out of the occupiable space.

6. Minimize or avoid unvented combustion sources such as candles, cigarettes, indoor barbecues, decorative combustion appliances or vent-free heaters.



7. Provide operable windows to accommodate unusual sources or high-polluting events, such as the use of home cleaning products, hobby activities, etc.

8. Use sealed-combustion, power-vented or condensing water heaters and furnaces. When natural-draft applications must be used, they should be tested for proper venting and should be located outside the occupiable space when possible.

9. Put a good particle filter or air cleaner in your air handling system to keep dirt out of the air and off of your ductwork and heating and cooling components.

10. Distribute a minimum level of outdoor air throughout the home, using whole-house mechanical ventilation.

Source: ASHRAE Standard 62.2, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings, and 2001 ASHRAE Handbook, Fundamentals, Chapter 26, Ventilation and Infiltration

www.ashrae.org

ASHRAE Research

Real Research for the Real World

www.ashrae.org/researchpromotion



Sustainability 2016

Power To Care

FPL and ASHRAE joined forces to clean up and beautify the area of Manatee Park located in Lee County. Pat Graef and Richard Brooks are pictured here working hard with smiles as they replant and sustain the park area.

Photo of K-12 students at the Southwest Florida Chapter table learning about ASHRAE and refrigeration after student presentations were provided by Chapter members.

