



AABE[®]

All ABout Energy

The American Association of Blacks in Energy[®]
Atlanta Chapter Monthly Newsletter
Vol. 3, Issue 11 ♦ December 2008
<http://www.aabe.org>



AABE ATLANTA CHAPTER MONTHLY HIGHLIGHTS:

Atlanta Chapter November Meeting



The membership learned about the oil and gas industry in “Energy in the 21st Century” from **Kenny Warren**, Global Logistics Optimization Manager at ExxonMobil Refining & Supply Company. Mr. Warren gave us the perspective of ExxonMobil in the global arena.

Although ExxonMobil is a large corporation, it is considered small when compared to worldwide production. Valero is the largest oil refiner in the US. ExxonMobil meets 2% of worldwide energy demand and only 3% of production (as compared to OPEC which produces 42% of the world’s oil).

Oil and gas cannot meet the world’s energy demand growth alone. Taking into account energy

efficiency and technology, the average growth rate per year (2005 – 2030) by fuel source is oil (1.2%), gas (1.7%), coal (0.9%), nuclear (2.0%) and renewables (1.5%). Renewables’ growth rates are further broken down as biomass (0.7%), hydro (2.0%), biofuels (7.6%), wind (10.5%) and solar (9.9%) energy generation. The economics of developing renewable energy technology isn’t as attractive unless for government subsidies.

Crude oil is a major component of gasoline, making up to 73% of the cost at the pump. Oil is a freely traded commodity, as oil prices increase, gas prices will follow. US refineries have decreased from 300 in 1981 to 151 in 2008. Small inefficient refineries were closed and larger ones were expanded.

ExxonMobil invested \$3.5 billion in technology over the past 5 years and has 1,500 scientists. Kenny told us that the world has used only 1 trillion barrels of oil since its discovery and there is approximately 4 trillion barrels currently in production. New technology includes horizontal drilling, homogeneous compression ignition vehicles and LNG. ExxonMobil drills for oil in Africa (21%), Europe (19%), USA (20%), Russia (10%), Asia (20%) and Canada (10%).

Kenny closed with a statement on the human factor. People are the key to ExxonMobil’s success.

Diversity delivers the widest pool of talent and continuous training is crucial. ExxonMobil is committed to developing the next generation of scientists and engineers here and abroad.



Guests in attendance included Cobb Energy employees and Clark-Atlanta University students. The November general meeting also included a *History Maker* presentation. This month we profiled the late **Shirley Chisholm**, the first African-American who ran for the Democratic nomination of US President in 1972. The presentation was conducted by **Wayne Young** (Honeywell) and included a video of Shirley discussing her run for presidency. Her biography is provided at the end of this newsletter. The video and many more of historic African-American figures can be found at <http://www.visionaryproject.com>.

Atlanta Chapter December Meeting Announcement

The Chapter will hold “A Celebration of Service” on December 11th at Georgia Power’s Banquet Room. The meeting will include an awards ceremony for AABE members who have been outstanding in the

community for the past year. Members in attendance are asked to bring canned goods, toiletries or toys to be donated to local charities. To RSVP, please contact [Valerie Harris](#) (GPC).

Black History Maker Presenters Needed

Each month the Chapter conducts a *Black History Maker* 5-minute presentation during our general meetings. We are seeking individuals that will help present pioneers in the energy industry. To volunteer, please contact the AABE Atlanta Chapter Assistant Treasurer, [Olivia Parks-Woods](#) (SCS).

TOUCH Charity Drive at the Customer Care Center



The CCC Satellite Chapter will hold a charity coat drive from November 17th to 26th. T.O.U.C.H. stands for Taking Our Unbroken Commitment Home. This committee provides donations to needy families throughout the metropolitan area. Members are asked to bring coats and winter jackets to the CCC's cafeteria receptacle to be donated to the local shelters in our community. For more information, please contact Chapter Coordinator [Shelby Hall](#) (GPC-CCC).

AABE Atlanta Chapter BEAM Programs

The Black Energy Awareness Month (B.E.A.M.) Committee participated in two career day events this past October.

On October 28th, volunteers from GPC, GE Energy and AGL attended the career program at Banneker High School in Atlanta. AABE members also participated at the Crim High School's Youth Motivation Day on October 30th.

Hundreds of different motivators, vendors and speakers spoke to students throughout the day. Our members spoke on various career topics and the benefits of a college education. Information on how to apply for the 2009 AABE Atlanta Chapter **James K. Davis** scholarship was presented to all in attendance.

Thanks goes out to all AABE members who were involved in these BEAM events and the committee chairs, **Blake O'Farrow** (AGL) and **Kimberly Bryant** (GPC).

FVSU Student Chapter Gets Organized

On November 12th, the AABE Fort Valley State University (FVSU) Student Chapter held its first meeting at FVSU's Computer Technology and Math Building. FVSU faculty **Drs. Aditya Kar** and **Haixin Wang**, chapter coordinator **Dr. Isaac Crumbly**, and Atlanta Chapter **President Cordell Carter** spoke to the students about the importance of energy in today's economy, engineering and AABE over pizza and soda.

The Chapter's elected officers are **Anthony Gardner** ("TJ"), President; **Stephanie Troutman**, Vice President; **Ashley Norris**, Secretary; **Monica Johnson**, Treasurer; and **Ricky Walker**, Parliamentarian. The students are drafting chapter by-laws in anticipation of the chapter's officer installation ceremony, planned for January 2009. All AABE members will be invited to participate in this historic event.

Mentors from the professional chapter are needed. If you are interested, please contact **Cordell Carter** at 678-409-8080 or ccarter@aglresources.com.

Sonja Shares Success with Energy Town Hall Meetings in Atlanta



Dr. Sonja Ebron, former national AABE board member and CEO of blackEnergy, a national distributor of energy conservation products and an organizer of energy buying groups supporting black communities, submits the following report:

We hear a lot about energy and the economy in Atlanta, and for good reason. While gasoline prices have come down, supply is still spotty due to Hurricane Gustav, and the almost daily reports of job losses are worse than I can ever recall. National pundits blame our economic crisis on the housing bubble bust, but historical oil prices have always predicted recessions. Despite a dramatic decline in oil prices, we're still paying three times the historical average in today's dollars. Like all crises, this one hits Black people first. Add the impact of climate change, and it's clear we have some difficult times ahead.

But there's a positive side of this story. Black people have a history of making a way out of no way. This crisis will find us innovating as we've always done to ensure our survival. But we need to leap on the learning curve like never before. We have to learn quickly to live within our energy means. That's why blackEnergy holds town hall meetings to share information and solutions to the twin crises of energy decline and climate change. We held two last year, at Providence Missionary Baptist Church and at Concerned

Black Clergy (CBC). The CBC invited us back this year to speak with 200-plus community leaders about ways to get relevant and timely information to the community.

We lined up a comprehensive program for the event. **Sydney Roberts** of Southface Institute discussed the need to hold our leaders accountable for their energy decisions, whether they were leading the nation, the state, a church or the local school board. She argued that everyone in a position of leadership should place energy efficiency on their agenda. Southface is the premier efficiency research organization in the southeast, and Sydney shared the Institute's work and some of its findings on what works and what doesn't in Georgia.

Wendy Bailey-Hooks at Georgia's Department of Human Resources (DHR) told the audience how to get help with high utility bills from the federal Low-Income Heating Energy Assistance Program (LIHEAP). She noted that DHR received twice the usual funding this year due to the pain many consumers are feeling. Georgia's Public Service Commission allocated even more funding to supplement the program. **Janet Joseph** of the Heating Energy Assistance Team described her nonprofit's success at raising funds from the private sector to help low-income Georgians pay their utility bills. The money comes largely from natural gas marketers and individual supporters throughout the state and is dispersed through DHR and county-level community action agencies when federal funds run out.

Deryl Sessoms of the Atlanta Regional Commission shared information about carpooling and the RideSmart program, Atlanta's effort to help workers save on transportation costs. RideSmart matches commuters who live

close to each other and work in the same metro Atlanta areas.

Darryl Haddock of the West Atlanta Watershed Alliance told the audience about the numerous nature preserves and other green spaces located in primarily Black areas of Atlanta and encouraged the attendees to help steward and protect them. He discussed the links between clean water and energy production and asked the audience to respect the limitations on our local sources when using water. I wrapped things up by describing the alarming predictions for winter heating costs and the current state of Georgia's natural gas market. In the last three months, one gas supplier has left the market and another has gone bankrupt. The only new entrant is a multilevel marketer. blackEnergy has had a tough year, but our problems seem modest in comparison.

We got great questions on all these issues, and I was pleased to see the audience so engaged. Energy is boring to most people, but times are hard enough to open ears and drive the need for knowledge. I closed the program by asking each of the attendees to make a commitment on energy and the environment that could be achieved today, and to share that commitment with their table neighbors. To illustrate, I shared my decision to reuse the bottle every time I buy bottled water. (I drink a lot of bottled water, and plastic is very bad for the environment.) Several members of the audience shared their commitments with me after the program, including everything from trying a few fluorescent bulbs to getting more information about the carpool program. I felt gratified to think the message may finally be getting through.

Dr. Ebron is a PhD electrical engineer and former college professor with a background in utilities. She has worked extensively with the Atlanta

chapter in the past to help educate the community on energy issues. *Ms. Magazine* recently labeled Sonja a change agent for "the belief that environmental and social consciousness can create satisfaction in the soul and the wallet." Sonja is the recipient of the Atlanta Business League's 2007 Super Tuesday Award for Non-Traditional Business, and she was named a 2008 SuperWoman by the *Atlanta Tribune*. She is a Senior Fellow of the Environmental Leadership Program and a member of Engineers Without Borders (EWB-USA).

BY-LAWS Update

The Chapter Officers are in the process of updating the by-laws document for our local organization. These by-laws are crucial in running the Chapter, following AABE procedures and meeting legal 501©3 non-profit requirements. We intend to have the by-laws updated by the end of the year. To join this committee, please contact the Chapter Parliamentarian [Tiffany Callaway-Ferrell](#) (AGL).

AABE Members Among ABJ's 100 Most Influential Business Leaders



The September issue of the *Atlanta Business Journal* recognized outstanding individuals paving the way and making contributions to education and business development in Atlanta and the State of Georgia. Among the list of 100 included AABE members **Chris Womack** (GPC), **Marsha Johnson** (pictured above -

Southern Company) and **Richard Holmes** (GPC). Congratulations to our role models of tomorrow.

LaTunya Promoted at GPC



We are pleased to announce that **LaTunya Goodwin** has been selected as the GPC Sparta Local Manager in Central Region. She currently is an Engineer at Oakley Industrial Operating Headquarters in Metro South.

LaTunya joined Georgia Power in 1998 as a Customer Service Representative in Macon. She subsequently held the positions of Transmission Specialist and Engineer in Transmission Engineering. She has held engineering positions in the Middle Georgia TMC in Columbus, the Transmission Control Center, and in her current position as Distribution Engineer. She also completed a three-month developmental move as a Key Account Project Manager in Metro West Region.

In the community, LaTunya serves as the Graduation Coach for Creekside High School. She served as Sponsorship Chair for the Fayette County American Cancer Society in 2008 and as Georgia Power Team Captain for the Relay for Life in 2007. She also serves as the Co-Chair for Legislative & Regulatory Affairs (L&RA) Committee of the Atlanta Chapter of the American Association of Blacks in Energy. She has a perfect safety record during her career at Georgia Power.

She received a bachelor's degree in Electrical Engineering from Mercer University.

LaTunya's engineering experience in transmission and distribution --along with her customer service experience, external involvement and other Southern Style attributes -- makes her an excellent choice as the Sparta Local Manager. Please join us in congratulating her on this new opportunity.

Wayne Jacas Elected Chair at GUCC Fulton County Division



AABE member **Wayne Jacas** will be the new Chairman of the North Fulton County Utility Coordination Council a division of the Georgia Utility Coordination Council beginning January 2009. Wayne is employed as a Project Engineer in the Engineering Design Department at AGL Resources.

The Georgia Utility Coordination Council (GUCC) was formed to enhance communication between local utility companies and the excavation community. During the monthly meetings, each company is provided an opportunity to present issues they need resolved, projects and subdivisions they may be working on/in and any additional information they feel will be useful to the other utility companies, excavators and locators.

For more information about the Georgia Utility Coordination Council or to find a local utility coordination council, please visit www.gucc.com.

Judges Needed For Science Fair

The Clayton County Regional Science and Engineering Fair is seeking judges to evaluate student

projects. The fair will be held on Saturday, February 21, 2009 at Jackson Elementary School in Jonesboro. There will be an honorarium of \$100 for judging.

The deadline to apply is December 31, 2008. For more information, please contact AABE Mentoring Committee Co-Chair [John Moore](#) (GPC) or Katrina Miller, Coordinator of Secondary Science – Clayton County Public School System at (770) 473-2700.

Chandra McLendon Joins AABE Atlanta Chapter



Please join us in welcoming our newest member, **Chandra McLendon** to the organization. Chandra is an Account Executive for Honeywell Business Solutions in Duluth, Georgia. She plans to volunteer in the Legislative & Regulatory Affairs Committee for the Chapter.

Solicitation for Membership Committee

All AABE chapters in the Southeast region have been tasked with increasing their membership by at least 10% for 2009 by the national board. To accomplish this, **President Cordell Carter** will reorganize the membership committee to focus on the recruitment and retention of members. Our goal is to have representation from as many of our member companies as possible. **Tarece Johnson Hassell**, 2008 committee chair, will be moving into a new role to support **Dot Harris's** entrepreneurship committee. If you are interested, please contact **Cordell Carter** at 678-409-8080 or ccarter@aglresources.com.

Entrepreneur of the Year Awards Applications Due

The AABE organization is seeking outstanding companies and entrepreneurs who embody the AABE spirit, and whose professional achievements serve as inspiration and guidance to others striving to make their mark in the field of energy.

Supporting data must be documented in an essay submitted with a completed application. The application and additional information can be found on the AABE website at www.aabe.org. Entries must be received by January 15, 2009.

Scholarship Applications Available to HS Seniors

The Chapter's Scholarship Committee is once again seeking qualified high school seniors in the metro-Atlanta area. These students must graduate by June 2009 and be accepted into accredited institutions studying energy-related degrees. The deadline is **February 6, 2009**. To download an application, please visit the Atlanta Chapter [website](#).

The scholarship program is named after the Atlanta Chapter founder, the late **James K. Davis**. For more information, please contact the Scholarship Committee Chairs [Valerie Searcy](#) (GPC) and [Earnestine Young](#) (GPC-CCC).

GEORGIA NEWS:



State and Local Election Results for 2008

PSC District 1 – H. Doug Everett (Republican) won re-election by 68%.

PSC District 4 – Lauren McDonald (R) will have a runoff against **Jim Powell** (D) on December 2nd.

Senate – Saxby Chambliss (R) and **Jim Martin** (D) will also have a runoff on December 2nd.

Amendment 1 – Forest Preservation: Giving tax breaks to those who own more than 2,000 acres of land was passed.

Amendment 2 – Community Redevelopment: Allowing developers to seek school tax subsidies for redevelopment projects was also passed.

Amendment 3 – Infrastructure Development: Allowing cities and counties to approve proposals for infrastructure development projects which levy fees on home buyers to pay for amenities and improvements was not passed.

District 13 – Guest speaker at the AABE Atlanta Chapter October Legislative meeting, **Dr.**

Deborah Honeycutt (R) was defeated by incumbent **David Scott** (D).

African-Americans made up 29% of registered voters in Georgia this year. Please remember to vote for all election runoffs on December 2nd. For more election results, please visit [the Secretary of State's Georgia Elections website](#).

Georgia Power Childcare Center Wins Award (Atlanta Business Chronicle – 11/7/08)



the winner in the Institution category for the Atlanta Downtown Design Excellence Awards.

The 250,000 square-foot facility opened in May at GPC's

corporate headquarters. The center, which can accommodate 150 kids, includes innovations such as recycled building materials, lighting sensor control system, low-flow fixtures and an air conditioning system that draws water from an underground rain harvest system to pre-cool the air.

The center is in the process to attain a silver LEED (Leadership In Energy and Environmental Design) certification from the U.S. Green Building Council. The award was presented by Central Atlanta Progress Inc., a non-profit corporation whose goal is to revitalize and economically develop Atlanta's central core.

Nuclear Plant Expansion Hearings Begin at PSC (Atlanta Business Chronicle – 11/7/08)



The state's Public Service Commission (PSC) opened hearings on November 3rd about Georgia Power's application for certification of the Plant Vogtle expansion. Plant Vogtle, located near Augusta, proposes to build two more nuclear reactors to meet the needs of a rapidly growing state without worsening global warming.

Georgia Power would divide the estimated \$14.4 billion cost with its partners: Oglethorpe Power Corp., the Municipal Electric Authority of Georgia (MEAG), and Dalton Utilities. If approved, the expansion would begin

producing power in 2016 and 2017.

Opponents such as the Sierra Club warned that more nuclear reactors would drain huge quantities of water from the Savannah River, a system severely affected by the 2-year drought. Others say that the state government will be less interested in developing renewables or promoting energy efficiency.

COBB EMC Agrees to Buyout Deal (Atlanta Journal-Constitution - 10/30/08)

Marietta-based Cobb EMC has reached a deal with customers who sued it last year, lawyers for both sides announced Thursday. If finalized within the next two months, the agreement would end a year-long legal battle between Cobb EMC's customers and the two companies that together supply electricity in five north metro Atlanta counties.

Under the proposed deal, the customer-owned electric cooperative will buy out all other shareholders of Cobb Energy, the for-profit company that operates it, at a cost of between \$10 million and \$14 million. The co-op will also assume additional debt and liabilities, including approximately \$18 million outstanding on a line of credit.

Lawyers for the customers said it will save the co-op far more than that over time, by putting Cobb EMC's operations, equipment and employees back under Cobb EMC control. Since 1998, Cobb Energy has operated the nonprofit Cobb EMC under a 40-year contract that eventually allowed it to charge an 11 percent markup on its costs.

In the lawsuit, customers said that arrangement siphoned co-op assets and enriched insiders — including **Dwight Brown**, the

Chief Executive of both companies — at the co-op's expense. The proposed deal terminates the Cobb Energy contract. That contract's markup alone would have cost the co-op \$170 million over the balance of its term.

2nd Annual Morehouse College Entrepreneurship Conference

Whether you are looking to start a business or take yours to the next level this conference has something for you! The US Small Business Administration reports that approximately 600,000 small businesses are started every year with over 54 percent having fewer than five employees.

Learn what training is separating the successes from the failures! The annual Morehouse College Entrepreneurship Conference hosted by the US Department of Energy is a unique event that showcases profitable businesses, with powerful speakers and relevant seminars that equips companies with strategies for small business success.



The keynote speaker will be Major General **Dennis L. Via** (CECOM LCMC). The conference will be held at the Entrepreneurship Center at Morehouse College from January 28 to 29, 2009. To register, please visit: <http://www.hitek-solutions.com/mcec/>.

AABE NATIONAL NEWS:



Register NOW for the 32nd Annual AABE National Conference in Florida



Planning is now underway for the 2009 conference. The 32nd Annual AABE National Conference will be located at the Rosen Shingle Creek Resort in Orlando, Florida from April 14-17, 2009. The theme is "Sustainable Energy for a New Economy." Register now for the hotel and conference at www.aabe.org.

The conference is hosted by the AABE SE Region Chapters of Florida (FL/AABE), Atlanta, Birmingham, Gulf Coast, North Carolina, Savannah, South Carolina (SCCAABE), Tennessee and the three new Student Chapters (GA Tech, FVSU and NC A&T). The Co-Chairs of the 2009 Conference Committee are AABE SE Region Coordinator **Corlene Williams** (EIPaso/SNG-BHM Chapter) and **Gregory Owens** (JEA), FL/AABE Chapter President.

Our Chapter is responsible for the creation of the conference agenda and publishing the anniversary

booklet. **Jo Holliman** (GPC-CCC) will once again lead Volunteer Committee. **Carlton Blue** (GPC) and **Malcolm Barnes** (Progress Energy-FL/AABE) are co-chairs of the Agenda & Programs Committee. **Eric Arnold** (GPC), **Tiffany-Callaway-Ferrell** (AGL) and **Wayne Young** (Honeywell) have helped develop the energy & environment, oil & natural gas, and smart technology sessions during the conference. Volunteers are needed to help create the conference in sub-committees such as agenda planning, promotions, logistics and fundraising. To volunteer for a sub-committee, please contact Corlene.Williams@elpaso.com.

AABE Board of Directors Quarterly Meeting

The AABE National Board of Directors and Chapter Presidents will hold their quarterly meeting this winter in Florida. The event will be hosted by the Florida Chapter (FL/AABE). From December 4th to 6th, the organization's business meeting will be at the Rosen Shingle Creek Resort, 9939 Universal Boulevard in Orlando. This is also the site of the 2009 AABE National Conference in April.

U.S. ENERGY NEWS:

A New Birth of Freedom



The country celebrated the historic election of **Illinois Senator Barack Hussein Obama** as the 44th President of the United States of America on November 4th. **Senator Dianne Feinstein**, Chairman of the Joint Congressional Committee on

Inaugural Ceremonies (JCCIC), announced the theme for the 2009 presidential inaugural set to take place on January 20, 2009 at the National Mall in Washington, DC.

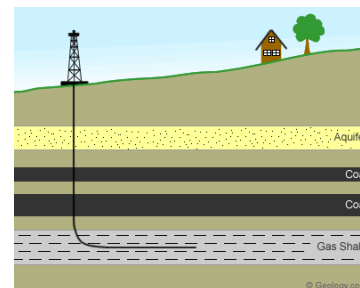
"*A New Birth of Freedom*," commemorates the 200th anniversary of 16th **US President Abraham Lincoln's** birth. The words come from the Gettysburg address, and express Lincoln's hope that the sacrifice of those who died to preserve the nation shall lead to "a new birth of freedom" for our country. "At a time when our country faces major challenges at home and abroad, it is appropriate to revisit the words of President Lincoln, who strived to bring the nation together by appealing to 'the better angels of our nature'," Feinstein said. "It is especially fitting to celebrate the words of Lincoln as we prepare to inaugurate the first African-American President of the United States."

"On January 20, as **President-elect Barack Obama** takes the oath of office, he will look across the National Mall toward the Lincoln Memorial, where many of the sixteenth President's immortal words are inscribed. Although some inaugural traditions have changed since Lincoln's time, the swearing-in ceremony continues to symbolize the ideals of renewal, continuity, and unity that he so often expressed."

About 250,000 tickets to the 56th Inaugural Ceremonies will be provided free of charge and distributed through Members of the 111th Congress. The JCCIC does not provide tickets to the public. **Members of the public interested in attending the Inaugural Ceremonies should contact their Member of Congress or U.S. Senators to request tickets.**

The public should also be aware that no website or other ticket outlet actually has inaugural swearing-in tickets to sell, regardless of what they may claim. Tickets will not be distributed to Congressional offices until the week before the inauguration and will require in-person pick-up. For more information, please visit <http://inaugural.senate.gov/2009/tickets.cfm>.

GAO: Drill Leases Unused (Atlanta Journal-Constitution – 11/5/08)



In a review of the 55,000 federal oil and gas leases issued to energy companies by the Interior Department from 1987 to 1996, the Government Accountability Office (GAO) found that the vast majority expired without being drilled, and an even smaller amount actually produced oil and natural gas.

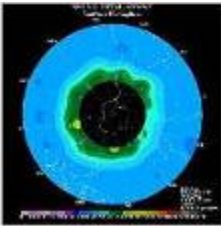
In a report issued on November 4th, the GAO stated that energy companies hold leases but are not producing on about 68 million acres of federal land – property that has the potential to double domestic oil production. About 1/3rd of the oil produced in the US in 2007 came from public lands.

The GAO found that current practices to expedite drilling, such as increasing the rent on federal lands not being drilled, did not do enough to spur production. Only about 26% of offshore leases and 6% of federal leases on land had been drilled by 2007. The percentage that

produced oil and gas was even smaller – 12% offshore and 5% on land.

The report recommends that the GAO consider measures used by states and private landowners to jump-start drilling, such as offering a lower royalty rate for faster production and shortening the term of the lease. GAO Assistant Secretary **Stephen Allred** said environmental reviews have delayed development on federal lands. He also mentioned that fast-tracking production could drive companies to develop outside of the US and decrease revenues collected by the federal government.

Ozone Hole 5th Largest Ever
(Atlanta Journal-Constitution – 11/5/08)



This year's ozone hole over Antarctica was the fifth biggest on record, reaching a maximum area of 10.5 million square miles in September as reported by the National Aeronautics and Space Administration (NASA). NASA has tracked the size of the hole for 30 years. The hole is an area of depletion in the stratospheric ozone layer, which blocks harmful ultraviolet rays from space. Created by human produced greenhouse gases, the ozone hole general forms in August and grows to its maximum size between September and October before breaking up. Last year, the hole was 9.7 million square miles, equivalent to the size of North America.



New Nanotech Coating Boosts Solar Efficiency (CNN – 11/7/08)



Researchers have developed a new anti-reflective coating that boosts the efficiency of solar panels and allow sunlight to be absorbed from almost any angle. Scientists from the Future Chips Constellation (FCC) at the Rensselaer Polytechnic Institute in New York have created the coating using nanotechnology (engineering devices on a molecular scale). Comprising of seven tiny layers -- each one is 50-100 nanometers in height -- the coating is made of silicon dioxide and titanium dioxide nanorods positioned at an oblique angle.

A typical untreated silicon solar cell absorbs just over 2/3 of sunlight. But with the FCC's nano-engineered coating that figure rises to 96.21%. The FCC team found that stacking the coatings one on top of another enhanced the anti-reflective properties of each layer. Having a series of layers also helps to "bend" the flow of sunlight which assists in capturing light that would otherwise be reflected off.

The only downside that the FCC found so far is that the nanorods can be fragile. Future research will focus on protecting them better and investigating the use of a thin porous film to make them more robust.

AABE ATLANTA CHAPTER INFORMATION:

What is AABE®?

"The American Association of Blacks in Energy™ is dedicated to ensuring the input of minorities into the developments of energy policy, R&D technologies, and environmental issues."

Visit AABE's National website at <http://www.aabe.org> for more information.

Atlanta Chapter 2008-2009 Officers

Cordell Carter, President (AGL)
Eric Arnold, Vice President (GPC)
Cherryl Harris, Treasurer (GPC)
Olivia Parks-Woods, Assistant Treasurer (SCS)
Valerie Harris, Secretary (GPC)
Jennifer Henson, Assistant Secretary (GPC – CCC)
Tiffany Callaway-Ferrell, Parliamentarian (AGL)
Shelby Hall, CCC Satellite Chapter Coordinator (GPC – CCC)
Dimitri Hughes, GA Tech Student Chapter President
Dr. Comas Haynes, GA Tech Student Chapter Coordinator
Dr. Isaac Crumbly, FVSU Student Chapter Coordinator

Board of Directors

Ralph Cleveland, AGL Resources
Dot Harris, AABE National Secretary, GE Energy
Richard Holmes, GPC

Southeast Region Coordinator

L. Corlene Williams, Birmingham Chapter (ElPaso/SNG)

**AABE Atlanta Chapter 2008
Program Schedule (Tentative)**

1/16 – Rev. Dr. Martin Luther King Jr. “Day of Service”

Program (GPC)

1/26 – AABE 31st Conference
Planning Meeting (Houston, TX)

1/31 – Career Day Expo
(Clarkston HS)

2/14 – Black History Month
Program (AGL)

2/21 – AABE NC Chapter
Energy & Environment

Conference (Greensboro, NC)

3/13 – General Meeting (GPC)

3/15 – AABE 31st Conference
Planning Meeting (Houston, TX)

3/22 – Light Swap 2008 Event

3/24 – AABE Scholarship
Applications Due

4/2 – AABE Energy Principles
Meeting (AGL)

4/12 – MS Walk

4/15 to 4/18 – AABE 31st Annual
Conference (Houston, TX)

4/24 – AABE General Meeting
(CCC)

4/25 – Career Day Program
(Redan HS)

5/2 – ACS Relay for Life

5/3 – SEM Link Career Fair
(Georgia State University)

5/9 to 5/11 – Sweet Auburn
SpringFest 2008

5/15 – 14th Annual Scholarship
Banquet (GPC)

5/16 – 6th Annual Golf
Tournament (Summer Grove
Golf Club)

5/20 – AMBCC Meeting (Auburn
Avenue Research Library)

6/5 – South DeKalb Rotary Club
(Fairfield Inn)

6/7 – ABEST BizTech Summit
(Hyatt)

6/16 – 3rd Annual AABE/AAF
Meeting (GE)

6/19 to 6/21 – AABE Board of
Directors Meeting (Kansas City,
MO)

6/28 – AHA Utility Forum
(Georgia World Congress Center)

7/10 – Networking Event (GPC)

7/19 – Sisters by Choice Relay

7/21 – ABEST Meeting (GPC)

7/23 to 7/27 – NBC-LEO
Conference (Atlanta)

7/24 – AABE Visioneering Board
Session

7/28 to 8/4 – Annual School
Drive (CCC)

8/14 – Career Focus Meeting
(GPC)

8/15 to 8/16 – AABE 32nd
National Conference Planning
Meeting (Orlando, FL)

8/20 – General Meeting (CCC)

9/1 – CHOICES Mentoring
Program Begins (BTW & HCHS)

9/11 – Natural Gas Presentation
(AGL)

9/25 to 9/27 – AABE Board of
Directors Meeting/Congressional
Black Caucus (Sheraton-DC)

10/3 to 10/5 – ENERGY STAR
sales tax holiday weekend

10/4 – Science Camp Café (GA
TECH)

10/9 – AABE Legislative
Meeting (Mary Mac’s Tea Room)

10/13 – AABE CCC Meeting

10/28 – BEAM (Banneker HS)

10/30 – BEAM (Crim HS)

11/4 – US General Election

11/5 to 11/6 – Energy Efficiency
& Sustainability Symposium
(Marriott Marquis)

11/12 – FVSU Membership Drive

11/13 – AABE Program with
ExxonMobil Speaker (GPC)

11/17 to 11/26 – CCC Charity
Coat Drive

12/2 – GA Election Runoff

12/4 to 12/6 – AABE Board of
Directors Meeting (Orlando, FL)

12/11 – End of Year Celebration
(GPC)

AABE Atlanta Chapter General
Membership meetings are held on
the 2nd Thursday of the month.
Atlanta Chapter Officers &
Executive Committee Meetings
are held during the 1st Monday of
the month. Dates may change
when necessary.

Atlanta Chapter Address:

AABE – Atlanta Chapter
P.O. Box 55216

Atlanta, GA 30308-5216

(404) 584-4712 (phone)

Atlanta Chapter Websites:

<http://aabe.org>

<http://groups.yahoo.com/group/ABEATL>
(Message Board)

http://www.youtube.com/watch?v=3OEBBkJ9_8o (AABE Atlanta
Chapter 25th Anniversary video)

**Atlanta Chapter Committees
and Chairpersons:**

**Black Energy Awareness
Month (BEAM)**

Kimberly Bryant (GPC) and
Blake O’Farrow (AGL)

By-Laws

Tiffany Callaway-Ferrell (AGL)

**Communications/ Public
Relations & Technology**
Wayne Young (Honeywell)

Fundraising

Charmaine Caruth (GPC) and
Jerrold Hill (AGLC)

Membership

Open Position

Programs

Fanchester Henry (GPC-CCC),
Lillie Battle (GPC) and Faye
Adeniran (GPC)

Scholarship

Valerie Searcy (GPC) and
Earnestine Young (GPC-CCC)

2009 Conference Planning

L. Corlene Williams (ElPaso
Corp. / Southern Natural Gas -
Birmingham Chapter) and
Gregory Owens (Jacksonville
Electric Authority - Florida
Chapter)

**Taking Our Unbroken
Commitment Home (TOUCH)**
Mentoring

Nevada Weatherspoon (GPC)
and John Moore, III (GPC)

TOUCH

Philanthropic/Charitable
Pauline Harriott (SCS) and
Capucine Pansy (AGL)

TOUCH Energy Education
Cordell Carter (AGL),
Dr. Sonja Ebron (blackEnergy)
and Eric Arnold (GPC)

**Legislative & Regulatory
Affairs (L&RA)**

Mickey Wade (AGL) and
LaTunya Goodwin (GPC)

**Georgia Institute of Technology
Student Chapter**

Dr. Comas Haynes (GA Tech)
and **Dimitri Hughes** (GA Tech)

**Fort Valley State University
Student Chapter**

Dr. Isaac J. Crumbly (FVSU),
Anthony Gardner (FVSU) and
Stephanie Troutman (FVSU)

**Atlanta Chapter Goals (2008-
2009):**

- Raise Community Profile;√
- Increase Membership Recruitment and Retention by 5%;√
- Financial Governance;√
- Increase Scholarships by 5%;√
- Establish Student Chapters;√
- Create a Membership Directory;√
- Establish a Foundation to Fund Scholarships;
- Update the Chapter By-Laws.√

Check marks indicate where we met or exceeded these goals so far in 2008.

Member Company Websites:

www.aabe.org
www.aaf.gecompany.com
www.atlantablackchamber.org
www.atlantagaslight.com
www.aglnetworks.com
www.aglresources.com
www.aucenter.edu
www.blackenergy.com
www.burnsmcd.com
www.ch2m.com
www.fvsu.edu
www.gas-south.com
www.gasoc.com
www.gatech.edu
www.georgianaturalgas.com
www.georgiapower.com
www.greystonepower.com
www.heatga.org
www.honeywell.com

www.htsenterprise.com
www.millennium-energy.net
www.mirant.com
www.opc.com
www.psc.state.ga.us
www.scanaenergy.com
www.slking.com
www.southerncompany.com
www.southstarenergy.com
www.snowden-king.com
www.snpo.org
www.synergeticdesign.com
www.thinkenergygroup.com
www.willyoujoinus.com

GOT NEWS?

Please send all comments, suggestions, AABE information, energy-related news and announcements to AABE Atlanta Chapter Communications, Public Relations and Technology Committee Chair **Wayne X. Young** (Honeywell) at wayne.young2@honeywell.com. The committee reserves the right to edit any documents provided to the newsletter for submission. The deadline for the next monthly *All ABOUT Energy* newsletter is **Friday, November 28th**.

**AABE Atlanta Chapter
Communications, Public
Relations and Technology
Committee Members:**

Wayne Young (Honeywell)
Editor-in-Chief and Webmaster
Charlotte King (Snowden & King)
Delitha Morrow-Coles (GE Energy)
Cherryl Harris (GPC)
Valerie Harris (GPC)
Jennifer Henson (GPC-CCC)

**BLACK HISTORY ENERGY
MOMENTS:**

December 1, 1977 – The AABE® organization is incorporated as a non-profit in Colorado.

December 2, 1969 – **Marie Van Britain Brown** and **Albert L.**

Brown patent the video home security system.

December 19, 1875 – **Carter G. Woodson**, founder of Black History Month, is born.

December 26, 2008 to January 1, 2009 – Kwanzaa is celebrated.

December 27, 1988 – **Shannon L. Madison** patents the electrical wiring harness termination device.

All Black history facts and dates listed in our newsletters over the past few years were provided by the Schomburg Center for Research in Black Culture.

**ENERGY QUOTE OF THE
MONTH:**



"Creating a new energy economy isn't just a challenge to meet, it's an opportunity to seize – an opportunity that will create new businesses, new industries, and millions of new jobs." – U.S. President-elect Barack Hussein Obama

BLACK HISTORYMAKER:



Shirley Chisholm
(1924 – 2005)

Shirley St. Hill Chisholm was born on November 30, 1924 in Brooklyn, New York. Her father was from British Guiana and her mother was from Barbados. Shirley received her education from a Barbados school and in NY. She graduated in 1946 from Brooklyn College where she majored in sociology.

In 1949, she married **Conrad Chisholm**, a Jamaican who worked as a private investigator. Shirley and her husband participated in local politics, helping form the Bedford-Stuyvesant Political League. In 1960, she started the Unity Democratic Club. The Unity Club was instrumental in mobilizing black and Hispanic voters.

In 1964 Chisholm ran for a state assembly seat. She won and served in the New York General Assembly from 1964 to 1968. During her tenure in the legislature, she proposed a bill to provide state aid to day-care centers and voted to increase funding for schools on a per-pupil basis. In 1968, after finishing her term in the legislature, Chisholm campaigned to represent New York's Twelfth Congressional District. Her campaign slogan was "*Fighting Shirley Chisholm - Unbought and Unbossed.*" She won the election and became the first African American woman elected to Congress.

During her first term in Congress, Chisholm hired an all-female staff and spoke out for civil rights, women's rights, the poor and against the Vietnam War. In 1970, she was elected to a second term. She was a sought-after public speaker and cofounder of the National Organization for Women (NOW). She remarked that, "Women in this country must become revolutionaries. We must refuse to accept the old, the traditional roles and stereotypes."

On January 25, 1972, Chisholm announced her candidacy for President. She stood before the cameras and in the beginning of her speech Shirley proclaimed, "I stand before you today as a candidate for the Democratic nomination for the Presidency of the United States. I am not the candidate of Black America, although I am Black and proud. I am not the candidate of any political bosses or special interests. I am the candidate of the people."

The 1972 Democratic National Convention in Miami was the first major convention in which any woman was considered for the presidential nomination. Although she did not win the nomination, she received 151 of the delegates' votes. She continued to serve in the House of Representatives until 1982. She received many honors and degrees during her lifetime. Shirley supported **Rev. Jesse Jackson's** run for the Democratic nomination in the 80s. Shirley passed away on January 1, 2005.

PHOTO GALLERY:



(left to right): **Bernard Porche, Yvonne Johnson, Nancy Chandler** and AABE Atlanta

Chapter Co-Founder **Isaac Blythers** at the Georgia Center for Child Advocacy's 2008 Cheer for Children Ball on November 14th.



Congratulations **President-elect Barack Obama!!!**



Guest speaker **Kenny Warren** and Clark-Atlanta student **Carl Brewer**



AABE Atlanta Chapter Executive Committee and **Kenny Warren**



Shirley Anita St. Hill-Chisholm
circa 1968 in New York