

U.S. Women in Nuclear

A Quarterly Update on U.S. WIN Activities

Women in Nuclear Promotes Nuclear Energy on Capitol Hill



More than 25 members of U.S. Women in Nuclear (WIN) converged on Washington, D.C., this week to meet with congressional staff members and garner legislative support for nuclear energy. Among their recommendations: as Congress considers climate and energy legislation, that nuclear energy be considered alongside other clean-air energy technologies such as wind and solar.

The men and women of the WIN delegation, who spoke to staffers from the offices of more than 30 senators and representatives, were met with positive reactions on Capitol Hill.

“If you’re supporting clean air, you have to have nuclear in the picture,” said Giulia Bisconti, a legislative fellow in the office of Sen. Tom Carper (D-Del.), chairman of the Senate Environment and Public Works Subcommittee on Clean Air and Nuclear Safety.

WIN members also praised the tripling of loan guarantee authority to \$54 billion in the DOE budget request and encouraged the continued expansion of loan guarantees for nuclear plants.

They also urged members of Congress not to support legislation that would require utility customers to pay a third time for the decontamination and decommissioning of DOE enrichment facilities. (See NEI’s fact sheet on this issue [here](#).)

Another issue of particular importance to college students, who made up a significant share of the WIN delegation, was work force development and job creation.

Jeffrey Whited, a nuclear engineering student at Missouri University of Science and Technology, said he favors building new plants in part because of the resulting economic development.

“It means jobs, which is something that’s very important for me,” Whited said.

For many WIN members, participating in the delegation offered opportunities beyond promoting the nuclear industry and influencing policymakers—it was also a chance for personal and professional development.

“So many of our WIN members have professional careers that don’t include government affairs, and yet what goes on in Congress and in the policy space really impacts our industry,” said Angie Howard, president of Howard-Johnson Associates and former NEI vice president and executive adviser to the president. “It’s important to get comfortable communicating your position and be proud of what you do.”

Message from the U.S. WIN Region IV Chairman of the Board



After two years in office as the Women in Nuclear Region IV chairman, it has been a fantastic journey.

I encourage all of you to attend the Region IV Conference this year at San Onofre Nuclear Generating Station. The conference is free to WIN members in Region IV, and doubling or tripling up in rooms can reduce your room costs. The applications, which can be found on our website at

www.winregioniv.com, should be submitted by May 1. If you are interested in going, let SONGS know via e-mail as soon as possible at women.in.nuclear@sce.com.

Region IV is also hosting a contest with the theme “Save the Earth from the Giant Asteroid” to encourage student interest in math, science and engineering. WIN chapters should encourage kindergarteners through 12th graders to submit projects, including those created with online media such as YouTube. Entries may be submitted until June 15, and awards will be presented this summer, with prizes of up to \$2,000.

As I leave office in July, I look back over the last two years at our accomplishments, including continued support of our university chapters. We helped them attend the legislative conference in Washington, D.C., where we meet with our senators and representatives. This year we encouraged our legislators to consider more funding for nuclear and for our universities. Last year, I rode with 11 students from Missouri University of Science and Technology-Rolla to Washington, D.C.—what a trip. This year I flew with two Lincoln University Students and one University of Missouri-Nuclear Science and Engineering Institute, ensuring that Region IV was well represented.

We also have two new university chapters being established in Region IV—one at Lincoln University in Jefferson City, Mo., and one at Linn State University in Linn, Mo. In addition, we are trying to establish chapters at universities in Texas, Oregon and Kansas.

We had our first regional conference in 2009 in Washington, D.C. We had a bus tour to Dominion Training Center and were greeted by David Christian, chief executive officer of Dominion, who graciously sponsored a tour of Surry Plant and a dinner in Williamsburg. In addition, we heard lecturers from an author and discussions by three chief executive officers and a vice president from Luminant, Callaway and Columbia Generating Station. Speakers also discussed NRC litigations, nuclear security and the future of nuclear. We visited a winery and saw presentations from all chapters about their activities throughout the year. It was a great time and a good beginning, and this year promises another exciting conference at SONGS.

Among our other accomplishments, we formed a WIN Region IV Board and bylaws, opened Region IV to both women and men, named an official webmaster and created WIN apparel.

We held a WIN Missouri rally day to encourage passage of the construction bill in progress for building the Callaway 2 Plant. WIN chapter members from Callaway Plant, University of Missouri WIN and Missouri University Science and Technology participated, several WIN members testified before the Senate committee in support of plant construction. Another Missouri legislative day is being planned, which will provide a template for other WIN chapters throughout Region IV.

We continue to support Math Day for Girls at Lincoln University and other activities around our region to help mentor and sustain a diverse work force that offers us the opportunity to succeed and use our gifts. We continue to encourage optimism and growth.

This past year, Region IV established the Nuclear People of the Year Award. Four individuals received this honor: Adam Heflin, chief executive officer and senior vice president of Ameren and sponsor of WIN Region IV; Fadi Diya, vice president of nuclear at Callaway Plant and executive director of WIN Region IV; David Christian, chief executive officer of Dominion Generation; and Carol Berrigan, senior director of infrastructure at NEI and WIN director. Without these individuals, the above activities would not have been implemented. A very heartfelt thank you goes to Fadi Diya, whose continued hours of WIN meetings and support for our region has made it the success that it is.

I want to thank you for giving me the opportunity to serve you.

Sincerely,

Janese A. Neher
PE, Consulting Engineer, Callaway Plant and Ph.D. candidate
University of Missouri-Nuclear Science and Engineering Institute

Exhibiting a Character of Caring: Reaches Out to RBS and the Community



RBS Women in Nuclear continues to make their presence known around the site by exhibiting a character of caring.

During February, which is National Heart Awareness Month, WIN offered a special presentation in order to spread awareness about heart disease. Local nurse Karla Bringedahl gave advice on taking care of your heart, and Lindsay Davidson, corporate ENSHAPE coordinator, spoke on the importance of exercise. Attendees learned that small changes can make a difference in your heart health.

WIN is also featuring a rotating display board in the GSB cafeteria, with each month centered on a new topic. March was all about optimism and looking at the glass as half full, and April is focused on child abuse prevention. WIN will hold a “cutest baby picture” contest, with all proceeds going to the local branch of Child Advocacy Services.

Employees are encouraged to make a donation and vote on the cutest baby picture. At the end of the month, employees can see the winner.

If you are interested in joining the WIN chapter or would like more information, please contact President Kim Maxwell.

Region I News

WIN-PPL Susquehanna Hosts Girl Scout Badge Day



In February, 30 Cadettes and Seniors from the Girl Scouts in the Heart of Pennsylvania Council attended the first Girl Scout Power Planet Interest Project Badge Day at PPL Susquehanna Steam Electric Station. The girls were introduced to theories of electricity, power generation, fission and conservation. They learned what makes nuclear power different from other types of energy production, and how radiation workers protect themselves. An ecologist also presented the girls with information about the potential impacts to the environment from electricity generation, and what measures are taken to monitor and protect it.

A career panel highlighted several different career paths available at nuclear power reactors, including engineering, operations, computer programming, radiation protection, public relations and human resources. The question and answer session provided many insights into college programs available locally that support entry into the nuclear industry.

The girls split themselves into two teams—the Protons and the Electrons—and enjoyed tours of the control room simulator and the perimeter of the nuclear site. They read about six women who were noted for their historic contributions to the nuclear energy industry and played a game to put them in order on a timeline. The girls also completed scavenger hunts throughout the Susquehanna Energy Information Center, learning more about the energy exhibits and the environment around the plant.

The girls received an energy analyzer worksheet and conservation tips to use at their meeting place to evaluate possible changes to conserve energy. Each Scout received a certificate and a Power Planet interest project badge.

WIN-PPL Susquehanna Sponsors Two Area Science Fairs



In February, PPL and the Susquehanna chapter of Women in Nuclear sponsored the first science fair held at Beaver Main Elementary School, where almost half of the school's students participated. Forty-nine students from kindergarten to fifth grade demonstrated 43 projects to judges, parents and friends. The grand prizes—science kits provided by WIN—were awarded to the top winners in three age categories. Ribbons were awarded to the top three projects in each category, and each science fair participant was given a certificate of participation.

In March, WIN-PPL Susquehanna sponsored the Salem Elementary School Science Fair for the third consecutive year. Thirty Berwick-area students from kindergarten to fifth grade displayed their projects for parents and classmates. Five lucky students won the random drawing to receive a science kit about electricity provided by WIN. It was a great opportunity for us to encourage students to explore different areas of science and let them share that knowledge with their peers. The children were extremely creative with their ideas. Among several volcanoes were projects about plants and animals, electricity and magnetism, biology and chemistry, rockets, submarines and archeology. At this year's fair, guests could also learn how to make slime, observe lava lamps and wave machines, and marvel at a tornado and a lung in a bottle. The most popular attraction, however, was the demonstration of an egg being sucked into a bottle.

At both events, WIN-PPL Susquehanna displayed information about the nuclear power industry from the public information kits provided by U.S. WIN, as well as information specific to the Susquehanna plant and the proposed Bell Bend nuclear plant.

Pilgrim's Progress: Pilgrim WIN Contributes to the Community



Entergy's Pilgrim Nuclear Power Station has a Women in Nuclear chapter that is full of energy and enthusiasm! The public outreach and community service initiatives have been highly successful and very well received in America's hometown of Plymouth, Mass.

Last Thanksgiving, the PNP WIN chapter held a food drive to support one of our local food banks. The huge collection of food filled a passenger van owned by the recipient of our proceeds, the South Shore Community Action Council.

As a result of the generous contributions collected during that food drive, the council invited members of the PNP WIN chapter as guests to their 16th Annual Local Heroes Award night held April 24. Pilgrim Site Vice President Kevin Bronson and several PNP WIN members attended the function.

Pilgrim's WIN chapter has joined forces with the NA-YGN chapter to participate in career day activities at several local schools. On Feb. 10, members participated at the career day at Plymouth South Middle School and gave presentations on job opportunities available in the nuclear industry.

The chapter will give similar presentations for career days scheduled at Plymouth Community Intermediate School on April 15 and Rising Tide Charter School on May 5.

Pilgrim's WIN and NA-YGN chapters are also collaborating to sponsor a Habitat for Humanity Project Playhouse. Entergy Corporation has approved a grant for the Project Playhouse, and WIN members, NA-YGN participants and other Pilgrim Station volunteers will perform the actual build in May.

Pilgrim's Developmental Library



Kristen DiMascio, Entergy WIN Member and Employee Concerns Coordinator at the Pilgrim Station is teaming up with the Diversity and Inclusion Council and North American Young Generation Nuclear (NA-YGN) groups to put together a professional/personal developmental library for all employees at Pilgrim to share. Many books are ready to be checked out and Kristen is coordinating the collection of more books through employee donations.

FitzPatrick WIN Assists with Entergy Science Fair



Acid rain, standby gas treatment system and fourth-generation nuclear plant designs were only a few of the diverse projects presented at the 2010 Entergy Science Competition in Oswego County, N.Y. Entergy-James A. FitzPatrick Women in Nuclear members showed up by the dozens to see what the talented high school students would present for their projects related to nuclear power. WIN members, as in past years, were highly involved in many aspects of the science competition. Some members participated as mentors, helped groups develop project ideas, assisted with research and provided tips for making good oral presentations. Other WIN members helped out on the day of the event

as judges or with other event logistics. Entergy-JAF WIN members Sheila Brey and Kelly Weitz were proud mentors for the outstanding teams that won for their projects. The science competition continues to be an event that WIN members support enthusiastically because the level of complexity of the projects and amount of effort the students put forth is promising for the nuclear industry's bright future. "It is fantastic to see students at the high school level thinking about nuclear power and realizing that it is a field that may interest them," said Sara Malone, an Entergy-JAF WIN member.

Westinghouse WIN Participates in Expanding Your Horizons Conference



On March 27, nine Westinghouse Women in Nuclear members participated in the Expanding Your Horizons in Science and Mathematics Conference at Robert Morris University's Sewall Center on the Moon Township campus. More than 200 middle school and high school girls from throughout western Pennsylvania attended the event, which nurtures girls' interest in science and math courses and encourages them to consider careers in science, technology, engineering and math.

As part of its professional development and mentoring efforts, W-WIN conducted hands-on workshops to introduce girls to power sources and the uses of nuclear energy. The girls formed teams to participate in a simulated radioactive fuel pellet transportation activity using marbles. The winning team, with more than 100 marbles successfully transported, attributed their success to good teamwork, a focus on individual strengths and the resources to get the job done.

Three W-WIN members also participated in a career panel to share their perspectives about careers in engineering and science and answer questions from the students.

For more information about W-WIN, go to <http://worldwide.westinghousenuclear.com/D2a7.asp>

Women in Nuclear Help Light Up the Night for Leukemia and Lymphoma Society



Volunteers from Echelon attended the Leukemia & Lymphoma Society's Light the Night Walk, contributing to the \$111,000 raised by the event for the society's Mississippi chapter. Other Women in Nuclear members donated to the worthy cause and supported Team WIN's participation in the "Star Wars"-themed walk, which focused on joining forces.

The annual event, held nationwide, brings communities together to celebrate and commemorate lives touched by leukemia and lymphoma while raising critical funds for research and patient services. The Light the Night events also pay tribute and bring hope to adults and children battling any of the

many forms of blood cancers.

"It was a great night, and we felt so good to be a part of this event knowing that our contributions are helping people," said Gina Gremillion, local WIN chapter coordinator. "To see all of the people showing their love and support for those they have lost and to hear the survivors' stories was moving and definitely tugged on your heartstrings."

As Women in Nuclear members carried their Entergy WIN banner and logged miles to help fund research for treatment and a possible cure of leukemia, lymphoma and other blood cancers, curious onlookers had the opportunity to learn about Women In Nuclear. Participating in the walk allowed WIN members to promote the many positive nuclear messages of safety and affordable clean energy.

“Getting out in the community offers opportunities for people to ask questions and gets a dialogue going about how beneficial and powerful nuclear technology is to everyone,” said Gremillion. “This is the first year Entergy Echelon WIN participated in Light the Night and we look forward to it next year. Each person’s contribution matters. Big things come from taking small strides. Our goal for next year is to double our site donations.”

The Leukemia & Lymphoma Society is the world’s largest voluntary health organization dedicated to funding blood cancer research, education and patient services.

WIN is a global organization that promotes and informs about nuclear energy and nuclear technologies and provides a network for women to further their professional growth in the field. More information can be found at www.winus.org.

Entergy WIN at Pilgrim Station Recruit New Members, Receive Project Suggestions at Safety Day



Entergy U.S. Women in Nuclear (WIN) at Pilgrim Station had a stand-out booth at September’s Safety Day that displayed WIN’s mission and focus areas, as well as safety tips for women.

We also solicited suggestions from employees for WIN Projects, with ideas

ranging from supporting our local high school robotic program to developing a scholarship program.

The day also focused on recruiting new members, and we welcome our 11 new WIN members!

A raffle was held to draw one name from the new members who signed up for WIN and one name from the suggestion box.

Earlier in the month, Entergy WIN at Pilgrim Station gathered together for a rare photo opportunity.

Entergy WIN Rocks the Debate on Vermont Yankee Relicensing

Renewing the operating license at Vermont Yankee will require the approval of the state legislature, something no other state requires. Not surprisingly, the Vermont Yankee vote is now a major political topic. With the next election for Vermont governor less than a year away, every candidate has taken a stand on relicensing Vermont Yankee.

The public, however, knows very little about how nuclear plants operate. For many years, anti-nuclear activist have sent letters to the local Vermont newspapers to spread their rhetoric with little response from knowledgeable workers in the nuclear energy industry. The people who work at Vermont Yankee are passionate about the industry and strive full-time for safety and excellence. Now, in the wake of the Vermont Yankee relicensing vote, the employees want to educate the people of Vermont about the economic and environmental benefits of nuclear power and the values that make Vermont Yankee an excellent candidate for a 20-year license renewal.

To contribute to this statewide debate, members of Entergy's Women in Nuclear at Vermont Yankee combined with our North American-Young Generation in Nuclear colleagues at VY and requested training from VY Communications and Government Affairs on public outreach. With the re-licensing vote coming up in the next legislative session, these two groups wanted to make a difference by educating the public about the benefits of having safe, reliable power from Vermont Yankee through 2032.

Anyone reading the Vermont papers over the last month will have seen a big difference from the days when only anti-nuclear voices were heard. The site WIN organization has encouraged employees to write letters to the editor and full-length editorial commentaries that appear in daily and weekly newspapers all around the state. Letters from WIN and NA-YGN also have sparked a series of letters from everyday Vermonters who also support Vermont Yankee's continued operation.

“Women in Nuclear has done a excellent job encouraging employees to write convincing, persuasive articles. These letters are clearly educating the public about the benefits of nuclear power and enhancing our side of the debate,” said Brian Cosgrove, manager of governmental affairs at Vermont Yankee. “We have already seen that this initiative is making a difference in public perception.”

“At first our goal was 25 letters in the papers and we had more than 40 in the first month” said Entergy WIN site representative Ellen Cota. “Employees continued to be interested in writing more letters and keeping the letter writing campaign alive. I have people e-mail me or stop to ask me about writing a letter almost daily.”

With the current momentum, the campaign to educate the public about nuclear power will continue to bring a positive, thoughtful balance to the debate on Vermont's energy future.

WIN-PPL Susquehanna Participate in Area Health Fair



WIN-PPL Susquehanna recently participated in the Healthy Woman event, sponsored by Healthy Woman Advisory Board of Berwick Hospital. WIN members distributed information on plant operations, the proposed Bell Bend nuclear plant and physical fitness trails available at the company's environmental preserves. Members also provided information about the nuclear engineering technology degree program at the local community college. Approximately 85 women from the surrounding area attended the event.

WIN-PPL Susquehanna Holds Annual Meeting

The local chapter of Women in Nuclear conducted its fifth annual general meeting on Nov. 20. The accomplishments of 2009 were reviewed during the meeting, and new officers were elected. Susan Downs was elected vice president, Nicole Atherholt was elected treasurer, and Marilyn Felock will be the new secretary. Victoria Dennis will continue in her role as president.

WIN-PPL Susquehanna Sponsors Successful Backpack Donation Drive

The Susquehanna chapter of Women in Nuclear collected donations and supplies this summer to provide 56 backpacks to three women's shelters in the area. Members collected almost twice as many backpacks as last year, allowing each shelter to receive nearly 20 backpacks filled with school supplies, enough for nearly all of the children in each shelter this year. Each backpack was sponsored by an employee or department of the company and specifically designed for a particular age and gender. There were backpacks for girls and boys from preschoolers to high school seniors, each filled with school supplies, as well as some personal items or a toy. The shelters were extremely grateful for the donations.

WIN-PPL Susquehanna Holds Youth and Nuclear Power Day 2009



Children and grandchildren of PPL employees attended the Youth and Nuclear Power Day sponsored by the Susquehanna chapter of Women in Nuclear, an event that gave the children a peek into the world of nuclear power and careers unique to this field. The day's activities, geared toward teenagers, included a demonstration by security as well as an opportunity to become familiar with the officers'

equipment and the OSCAR van used for emergency radiation monitoring. There were also demonstrations in the Instruments and Controls lab and at the control room simulator. Additionally, several engineers from the site discussed college, co-ops and careers in engineering. The children also enjoyed tours of the nuclear plant's perimeter and the site for the proposed Bell Bend nuclear plant.

Entergy Women in Nuclear at Grand Gulf Nuclear Station make Holidays brighter for the less fortunate at Thanksgiving



For almost a month, Entergy WIN at Grand Gulf Nuclear Station collected food via donation boxes located throughout the plant. Employees brought in canned goods, dried beans, rice and packaged meals to be donated to the needy. "We are giving the food to several organizations, including Christian Chapel Church Food Pantry in Port Gibson, the food pantry in Bovina, Good Shepherd Community Center and Food Pantry in Vicksburg and the food pantry in Fayette," said Entergy WIN Vice President Dianne Gibson, senior technical consultant.

Region II News

Westinghouse WIN Member Teach Local Scouts about Nuclear Energy



On Oct. 16, five Columbia Site Women in Nuclear (WIN) members donated their time and talents to lead Girl Scout Troop 9135 on an exploration of nuclear science and power generation.

“I feel it’s really important for girls to have opportunities at a young age to learn about math, science and nuclear energy, especially from women who are in those career fields,” said Reliability Engineer Jill Sinegar, who volunteered with the scouts.

With less than three hours to spend, the schedule was packed with solar

cooking and scientific discovery. From the beginning, the group got to work building solar cookers out of pizza boxes. These were used to prepare the dessert of the night, s’mores, while the pizza served as dinner.

Sinegar, Rosemary Dalton, Courtney Grant, Latonya Manago-Smith and Dianne Marshall described their roles and responsibilities at the Columbia Site to the scouts, providing information about future career possibilities in nuclear. The group conducted an energy audit of the meeting space, a local church, and the findings were documented for the church to assist them with energy conservation.

In preparation for the final event, “Girl Scout Feud,” WIN volunteers showed a presentation on nuclear and other power sources such as coal, wind, solar, natural gas and hydroelectric. There was a short discussion of the benefits and shortcomings of the various power sources, followed by a friendly debate between the scouts, which were split into two teams. In the end, everyone was a winner with solar cooked s’mores to enjoy.

TAs a result of the exercises, the scouts will receive two badges: Planet Power, a scientific journey to discover power generation and conservation, and Solar Cooking for the tasty treats the girls enjoyed. What a great way to share the benefits of nuclear with our community!

Westinghouse WIN Participates in Walk for Life



Last month, Westinghouse Columbia employees walked in the Palmetto Health Foundation's Walk for Life. More than 3,200 women and men in South Carolina will be diagnosed with breast cancer this year. Participation in Palmetto Health Foundation's Walk for Life helps increase awareness, education, patient and family support and research conducted by the Palmetto Health Cancer Centers. Westinghouse's group was organized by the local Women in Nuclear chapter, WIN president Alicia Lemieux said, "We had a great time and were happy to participate for a wonderful cause. We raised just under \$1000 and hope that next year we have more employees participate and raise

much more money for the Palmetto Health Foundation!"

Powerful Knowledge and Girl Scouts: An "Electric" Combination



Dominion Virginia Power's Innsbrook Technical Center in Glen Allen, Va., was lit up with the energy of more than 130 Girl Scouts and leaders from the Girl Scout Commonwealth Council of VA Inc. on Oct. 17 as Dominion hosted "It's Electric III." Girl Scouts in grades 7–12 learned about how electricity works, how it is generated and distributed, and how to be safe around electricity at the third production of this interactive and enlightening event.

The event focused on educational and career opportunities for the young women, with an emphasis on math, science, and technical skills.

Through exposure to people who have made science a part of their work lives, the girls could envision science and engineering as viable career paths.

Girls heard directly from numerous female engineers and scientists about what it takes to join the field—and the exciting experiences these careers can yield. From rocket launches at Cape Canaveral to radar systems on huge ships to controlling megawatts of nuclear energy, the girls learned that engineering can take you far beyond the basics of math and equations. Students from India and the Middle East and engineers who have traveled to Europe and Asia also shared facts about using electricity in these countries and what education and technology has meant to them.

Thanks to Dominion's experienced engineers, biologists and professional women, the Institute of Electrical and Electronics Engineers and Women in Engineering societies, and student engineers from Virginia Commonwealth University, the Girl Scouts and their leaders now know much more about the power of electricity and how it works in our everyday lives. They learned about the physics of electrical current, the

generation and transmission of electricity from power plants to our homes, conservation of our natural resources, and proper safety behavior around common electrical sources.

Girls were able to ride a bicycle to generate electricity, see the power grid of electrical distribution in Virginia, design circuits for lighting and audio, understand the environmental impact of the many different ways to generate electricity and learn their responsibility to use electricity wisely.

The girls received the It's Electric III patch, an It's Electric t-shirt, handouts about electricity and conservation, and a backpack filled with gifts. They completed several requirements from the Girl Scout Electricity, Electronics and Engineering patches and the Eco-Action, Planet Power and Building a Better Future journeys.

SHADES Workshop Teaches Girls about Math and Science



The 28th SHADES (SHaring ADventures in Engineering and Science) workshop for middle school girls was held Oct. 24 at the Children's Museum of Oak Ridge. The goal of this one day workshop is to attract 6th and 7th grade girls to careers in science and engineering by showing the students that math, physical sciences, life sciences and engineering disciplines are fun and interesting. As part of the highly interactive program, the girls had the chance to extract DNA from fruit and use Skittles to study half life. The workshop also featured a "Zip Speed Ahead" design competition, in which the girls worked in teams to design a container for a ping pong ball to "zip" down the line. Prizes were awarded to the teams with the fastest times.

SHADES is sponsored by a coalition of organizations, including two AAUW branches, the Oak Ridge/Knoxville Section of ANS, the Society of Women Engineers and the Oak Ridge Women in Nuclear. Visit www.ornl.gov/shades for more information.

One to Watch: WIN Member involved with Major Potential Nuclear Fuel Source

Thornton and other Virginia Uranium employees are working to educate the local and statewide community about the impacts of uranium mining and benefits of nuclear energy. Though exploration of uranium deposits is allowed by state law, Virginia has suspended the actual mining of the mineral as one of only four U.S. states with such a moratorium. In considering lifting this moratorium, Virginia legislators are faced with building a regulatory framework for the permitting process and questions about environmental and economic affects such mining could have on surrounding localities.

The uranium resource was discovered during a national exploration program that looked at the entire eastern U.S. in the late 1970s. Mining for uranium in Virginia was then studied in the 1980s through the Virginia Coal and Energy Commission. Development on the project ceased as uranium prices declined, but has resurfaced with the emergence of increasing energy needs in the United States. In November 2007, the Virginia Department of Mines, Minerals and Energy issued a permit to Virginia Uranium to allow the commencement of exploratory drilling on Coles Hill. The results of the exploration were significant. The deposit holds more than 119 MM lbs of uranium and, unlike many uranium resources, actually reaches the

surface. It is the largest undeveloped uranium deposit in the United States and the seventh largest in the world.

The ore deposit is so large that if fully recovered, it could fuel Virginia's existing nuclear demand for more than 65 years. Nuclear power generates roughly 40 percent of Virginia's electricity annually.

What makes the deposit even more compelling is the rich history and impressive agricultural background of the land. There are more than 1,200 farms in Pittsylvania County and agricultural production has a combined gross annual revenue of \$50 million.

The uranium deposit was found specifically on Coles Hill, a 3,000-acre farm that has more than 300 head of cattle living on it. The Coles family has owned and lived on the property since 1785. Now the sixth generation of Coles family members stand as pillars of the thriving agrarian economy in Pittsylvania County.

The Coles, along with the neighboring Bowen family, own majority control of Virginia Uranium and have made the health and welfare of the surrounding community among the highest priorities of the company. The land boasts a historic home built just after the War of 1812, family cemeteries, an old school house and other historic buildings. As custodians of such a rich tradition and protectors of this historical land, Virginia Uranium has good cause to be concerned about the reclamation and conservation of Coles Hill.

The opportunities for Virginia's economic growth and the nation's energy independence are great, but more must be done to determine if this notable project can be developed. In May 2009, the Virginia Coal and Energy Commission requested a study by the National Academy of Sciences, in conjunction with the National Research Council, to further explore whether uranium can be mined and milled safely in Virginia. The study will take 18–24 months to complete, and the Virginia Coal and Energy Commission will then assess the benefits and safety of mining uranium in Virginia.

Nina, a mother of two, has more than 20 years of experience as a controller for companies located in Pittsylvania County. At this point in her career, she is excited about the opportunity to bring more members to Women in Nuclear and to get involved with other regional chapters as the project progresses. She has discovered that the US WIN and WIN Global conferences offer ideal opportunities for women to connect with other women in the nuclear industry. She is also excited about being involved with a company that can be a partner in the nuclear fuel source and has the vision to develop a world-class mining operation model while preserving the area's historical heritage.

As this moves forward, expect to hear more about Southside Virginia and Coles Hill.

Progress Energy's Harris-Raleigh Chapter



The members of the Harris/Raleigh WIN Chapter met for a lunch meeting at Lucky 32 on October 29.

H. Szews opened the meeting with welcoming comments and an update on Cell Phones for Soldiers, the first HNP-Raleigh Chapter WIN event. 70 phones and 50 accessories, plus \$50, were donated to Cell Phones for Soldiers between HNP and Corporate-that's 120 60-minute calling cards that we are able to provide US soldiers so that they can call home, which is especially important given the upcoming holiday season.

L. Williams gave an intor/update to the WIN website available on the Progress Energy Intranet. Next, the leads for several planned/proposed service projects for the remainder of 2009 and early 2010 gave a summary of their event and information about what was needed to make it successful. Each lead gave an overview of the project and tied in the value of that project to our company. The projects discussed were Habitat for Humanity, Food Bank drive, Marbles Kids Museum, Prom Dress Drive, Krispy Kreme Challenge, and Dress for Success. Meeting attendees were asked to sign up for any/all events in which they were interested in participating.

Chris Burton and Jim Scarola concluded the meeting with closing remarks, encouraging continued participation and highlighting that we, too, gain from being involved-not just the organizations for which we volunteer. Jim Scarola accepted several questions, most of which were centered around the ongoing outage at our sister plant, CR-3.

Once the meeting was adjourned, folks signed up for the activities which most interested them.

AREVA and Duke WIN Groups Team up

AREVA WIN Charlotte Chapter is a new chapter and it has been established since November 2008. To boost their membership and to have an opportunity to network with other local chapters, a WIN AREVA Charlotte and Duke social event was planned. On Thursday evening, June 11 at 5:30, the WIN AREVA and WIN Duke chapters met at Hickory Tavern for a joint social event. The gathering was a wonderful professional development opportunity for our local WIN community to get together and get to know one another. Everyone had a great time, and future joint events are expected.

The social meeting really gave AREVA WIN the opportunity to find out what a more experienced chapter does. One of the Duke members is even on the national board and was able to give us much insight into the logistics of WIN on a national basis.

It was very exciting to find out that most of those who attended were going to be able to meet again at the WIN Global conference in late July.

Overall, the joint social event was a great success and was a wonderful opportunity to bring two local chapters together.

Region III News

Fermi WIN Kicks off the Year with a Successful Panel



The Fermi Women in Nuclear First Annual Kickoff Event on Feb. 9 was a huge success.

Even as the snow piled up outside, 35 people braved the inclement weather to participate and support Fermi Women in Nuclear, including Fermi senior site leadership.

The phenomenal discussion panel included DTE Energy's own Sharon Pfeuffer, director, group performance management; Suzanne Reith, superintendent, nuclear human performance; and Colleen Walker, director, nuclear organizational effectiveness. Each participant answered five panel questions and

took further questions from the audience. The panel members were so gracious and have such passion for what they do! It was an amazing discussion and it is easy to see why they have attained the career success they have.

Let's Ride for the Cure

A motorcycle adventure through 13 countries in Central and South America has been organized by Stuart Endsley, a steam turbine technical adviser at the Cook Nuclear Plant in Bridgman, Mich., to raise funds for the Susan G. Komen organization. The adventure will cover 16,500 miles and take six months to complete. Fellow nuclear workers are asked to make a pledge at www.LetsRideForTheCure.com. The Web site includes more details, a blog, a satellite tracking feature and photographs taken along the trip. More than \$1,400 has been raised to date.

U.S. WIN Region III Conference Report

DTE Energy's Fermi Women in Nuclear hosted the U.S. WIN Region III Conference at the DTE Ann Arbor Center on April 7 and 8. Special thanks go out to Ann Arbor Center's heart and soul, Noree Bowbeer, without whom the conference would have been fraught with technical difficulties. She really went out of her way to make the event successful.

Lori McGuire from First Energy presented four sessions of The Humphrey Group's "Taking the Stage." This female leadership training resonated with each attendee, and Lori's facilitation brought out remarkable discussions and revelations.

Guest speaker Sue Simpson from American Electric Power presented on the D.C. Cook Improvement Project and package power uprates to offer a better argument to shareholders.

Lynne Goodman, manager of Fermi I, spoke to the group about the decommissioning process and gave everyone an eye-opening education on breeder reactors. She also shared stories of her astonishing background and her visit to other sites, including Chernobyl.

Six of the attendees trekked approximately 35 miles to the Enrico Fermi Nuclear Plant site to tour the protected area, including the new dry cask storage building and equipment. They also saw Fermi I, the Nuclear Training Center maintenance training facilities and the simulator. Fermi's manager of projects and modifications, Dennis Bergmooser, shared his patience, good humor, extensive plant knowledge and expertise while guiding the group through the protected area. Lynne Goodman awarded the group a blast from the past by taking them up into the non-operating Fermi I Control Room. Steve Bollinger, supervisor of technical training, was a gracious host, showing off Fermi's industry-best training facilities.

As an extension of the Region III Conference, the 2010 American Nuclear Society Student Conference Career Fair was held April 9 and 10, with the DTE Energy exhibit booth staffed by Rondi Russell and Rhonda Carradine from Fermi Women in Nuclear. Rondi is an especially gifted recruiter and personified DTE Energy's quality engineering force, explaining to hundreds of aspiring applicants DTE Energy's hiring and intern process, as well as her own engineering position. Next to the DTE Energy booth was the North American Young Generation in Nuclear booth staffed by Fermi's own engineers: Justin Wilhelm, Jason Nevel, Jessica Steffke and Matthew Joseph. Chief Nuclear Officer Jack Davis and Peter Smith, director of licensing and engineering at Fermi 3, visited the booths on the second day and had plenty of praise for the enthusiastic staff.

The ANS Student Conference itself was an amazing production. Michaela Eddy was unruffled and resourceful as she coordinated conference logistics. The mixer with the Professional Women of ANS was extremely well-attended, attracting more than twice the projected turn-out.

So many people had a hand in making the U.S. Women in Nuclear Region III Conference a success. Thanks to their planning and commitment, the conference was well-attended, included fascinating and relevant professional development, and was superbly catered. Thank you to Samantha Milosh of First Energy for coordinating all the input, and thank you to everyone who contributed! D.C. Cook has volunteered to host next year's Region III conference, and although it will be tough to outshine the 2010 conference, let's try anyway!

Region IV News

Missouri S&T WIN Expands Activities



Missouri University of Science and Technology Women in Nuclear has had an exciting year. Our chapter became a recognized student organization on campus, which will allow our chapter to further expand our activities. Seven students attended the U.S. Women in Nuclear Washington, D.C., Delegation in March. During February, we participated in Engineer's Week at the St. Louis Science Center. This event gave us the opportunity to provide accurate information about the nuclear industry to the public, both

young and old. We held a screening of "The China Syndrome" as a social event and to make students more aware of the role media can play. We have also hosted several professional and career events during the year, all of which were open to the campus. With the academic year winding down, we'll be saying goodbye

to our graduating seniors and holding our annual elections. We look forward to planning another exciting and full year.

Callaway Plant Women in Nuclear Sponsors Elementary Educators Open House



About 30 teachers from central Missouri toured the Callaway Plant on Nov. 5 to learn about how the nuclear plant works and about the science teaching exhibits available through the plant.

“This is a fantastic event for teachers. I'm excited about the information we can make available to students,” said Eddie Mulholland, a South Callaway R-2 Elementary School teacher.

Teachers enjoyed checking out the various science teaching displays and interactive exhibits available from the plant's speakers bureau and Women in

Nuclear chapter, especially the Van de Graaff generator that can be used to demonstrate static electricity, radiometric equipment to demonstrate radioactivity, and an energy ball to demonstrate a closed circuit.

Matt Arri, Ameren senior recruiter and WIN member, informed teachers of their importance in influencing children at a young age to be interested in careers in math and science. The Nuclear Energy Institute estimates that as much as 35 percent of the incumbent nuclear work force may be eligible to retire within five years. Another 11 percent may be lost through attrition over the same period.

Teacher Candice Marshall, of St. Francis Xavier in Taos, Mo., commented, “I think it would be great for my kids to know how this plant is one of the few in the Midwest and how much the area benefits from it. I also think that it would be great to emphasize to them how many workers will be needed in this area in the future.”

Malcolm Smith, a Callaway plant engineer and WIN member, described how teachers can receive science lesson plans for use in classrooms. In addition to offering a live theatrical performance on energy through the National Theatre for Children, AmerenUE also has a speakers bureau that will send speakers to central Missouri schools. They will bring along interactive displays and demonstrate science to students. On Ameren's Web site, Electric Universe provides free lesson plans and games.

By showing teachers the value of math, science and nuclear power and the availability of careers right here in central Missouri, Callaway is sowing the seeds for the next generation of engineers and plant operators.

New to the Protected Area? WIN Volunteers Offer Customized tours for PRO Employees

With the U2C16 outage only days away, employees from the San Onofre Nuclear Generating Station (SONGS) are taking on new responsibilities to help the plant prepare. A team of volunteers from SONGS' Women in Nuclear (WIN) chapter now offers customized tours to help familiarize Professional Resources for Outages, or PRO employees, with their new, temporary workplace inside the protected area

“When you’re a PRO, you have to absorb a lot of new information in a short period of time, and it can be overwhelming,” explained Pauline Alten, a project manager in Engineering Services and president and founder of the SONGS chapter of WIN. “So we’re offering specialized tours to help PROs acclimate to the protected area so that they are ready to perform their temporary jobs.”

Tours are available to any SONGS employee with a PRO job inside the plant and can be customized to address any particular requests.

“The tours help make people more confident,” said Alysse Bak, a technical specialist and WIN member who provides tours. “We show them where the restrooms and cafeteria are, where they’ll report to their jobs, and where the turbine deck is, because that’s where daily briefing meetings are held.”

According to WIN volunteer tour guides, providing tours can be as useful as participating in them.

“It’s a great way to refresh your knowledge of safety procedures,” said Edward “Ted” Gribble, an engineer, and Entergy WIN member and tour guide. “During our tours, we review safety procedures and update them on recent changes to procedures, and there are always questions which provoke us to think about it and learn more.”

WIN is a global nonprofit organization with membership open to anyone who works in the nuclear industry. Despite the organization’s name, men are as welcome to become members as women are. The SONGS chapter of WIN, founded in 2007, has about 80 members, and its executive sponsor is Ross Ridenour, SONGS SVP and chief nuclear officer. To learn more about WIN, visit www.winus.org.

To request your customized tour of the protected area, contact Pauline Alten at PAX 86239, Janice Cruz at PAX 87256 or WomenInNuclear@sce.com.

Energy Northwest WIN Chapter News



The Energy Northwest Chapter of Women in Nuclear hosted the third of several planned lecture series. Rich Trimble from Workplace Collaboration spoke about professional communication, providing insight and guidance on communicating and negotiating with others.

Benefit Concert

The Energy Northwest Chapter of Women in Nuclear (WIN) and the North American Young Generation in Nuclear (NA-YGN) hosted a benefit concert in October. Jury of Peers, one of Energy Northwest's own, performed for members and their guests. Proceeds benefit the chapter's community outreach programs.

Elections & Kick-Off Event

The chapter is gearing up for elections and the kick-off event. Officer nominations are currently under way, with voting to be conducted and completed in December. The kick-off event is a time for members to rally and join forces for the coming year. Members will discuss past successes and future events.

Chapter Celebration!

The chapter will host a social for members in December. This will be a time to celebrate and recognize members for their attendance and participation at the brown bag sessions, as well as provide an opportunity for networking.

Member Meetings

Monthly member meetings have been scheduled to provide an opportunity for members to stay informed on upcoming events, volunteer for events and provide feedback on past events.

Expanding Your Horizons

The chapter will be participating in the Expanding Your Horizons conference in March 2010. Expanding Your Horizons in Science and Mathematics conferences nurture girls' interest in science and math courses to encourage them to consider careers in science, technology, engineering and math. For more information on this group, visit <http://www.expandingyourhorizons.org/>.

Senior Staff Talks on the Future of Nuclear Power

Vic Parrish, chief executive officer, and Dale Atkinson, vice president, Operational Support, will be featured speakers at the next lecture in February. Parrish and Atkinson will discuss the future of nuclear power.

Recognize a Fellow Employee With the Pink Board!

The Pink Board recognizes someone for a job well done, a good deed or even a smile that brightens someone's day. Recipients of the Pink Board include Marianne Banta, Tracy Collis, Cari Minor, Jocelyn Peterman, Celene Chambers, Gail Dockter, Kim Saenz, Anne Luo, Desiree Vogel, Tanya Demyer, Brenda Ingalls, Kimberly Windham, Mary Young, Linda Rodriguez, Mary Gulley and Samantha Taylor.