



An Update on U.S. WIN Activities  
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## NEI's Leslie Barbour Recognized in Congressional Record

Written by: **Shilo Terek**

U.S. Congressman Michael K. Simpson of Idaho has forever commemorated one of NEI's Federal Programs Directors and U.S. WIN member, Leslie Barbour, in the Congressional Record. Mr. Simpson recognized Leslie as being the "First Lady of Nuclear Energy" and applauded her advocacy and support of the nuclear industry throughout her tenure. Leslie has been an active member in the Washington D.C. Chapter and plans to retire from NEI this month. A copy of the record can be accessed [here](#). ✨

## Diablo Canyon Chapter Meets with NRC Commissioner William Magwood

Submitted by: **Shilo Terek**, Employee Concerns Program  
Pacific Gas and Electric Company's Diablo Canyon Power Plant, Region IV



*NRC Commissioner Magwood at Diablo Canyon*

While on-site to observe the first Region IV Emergency Response Organization Hostile Action Based Emergency (HABE) Drill in May, NRC Commissioner William Magwood met with members of the Diablo Canyon Chapter of U.S. Women in Nuclear. During the hour-long discussion, Commissioner Magwood emphasized the importance of public outreach and educating early career professionals on the benefits of nuclear power. ✨

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**Look for a special conference edition of The WINning Edge coming soon!**

Represent your chapter by submitting a story today – simply email [CommComm@winus.org](mailto:CommComm@winus.org).

## Three Mile Island (TMI) Family Day

Submitted by: **Carolyn Flory-MaGatz**, Department Administrator  
TMI Chapter Co-Chair TMI/Exelon Generation  
Region I

The TMI Chapter supported the station at the recently hosted TMI Family Day for employees and their families. "Bring Your Family to Work Day" allowed employees to show family members where they work and show off the plant. Preparations included registration forms to obtain information required by Security in order to enter the plant and creation of a tour schedule with designated groups entering the Protected Area every 15 minutes. Security created custom commemorative badges for family members entering the plant. Employees escorted their families on a tour of the Unit 1 power block. The tour route went through the turbine building, an opportunity to see the turbine and Unit 1 control room then through the mechanical and electrical maintenance shops.

Family Day also included a lunch of BBQ chicken, burgers, hot dogs and ice cream. There was music and two photo booths with photos depicting the control room and the plant. PPE was provided to anyone who wanted to get dressed up for the pictures.

A children's booth was set up where the youngsters took a quiz around safety to win a tie-dye t-shirt that read, "You work safely at TMI...and I'm the Reason why!" There was finger painting for kids of all ages to put their thumbprint on a "Thumbs Up for Safety" banner that was subsequently displayed in the TMI cafeteria. For more fun, the kids could jump in the bounce house and take a slide to exit.

Overall, the Family Day committee meetings and extensive organization of the event paid off and was touted as a huge success. The TMI Chapter was able to show the community all the career opportunities available for women in the nuclear industry including engineering, operators, chemists, human resources and administration. Family members went home with more knowledge about the nuclear industry, how it works, and had the opportunity to see where their family member works. ✨



*Don Clements and Alyse McDowell working at the PPE stations handing out hardhats, ear plugs and safety glasses to all the guests before they entered the plant.*



*Deb McKinney and Diane Schneider supporting the welcome table where commemorative bags and trinkets were handed out to all the visitors.*



*Kids enjoying the bounce house.*

## TMI Chapter Member Gives Lecture to Millersville University Physics Majors

Submitted by: **Leah Gallek**, Senior Operations Procedure Writer, TMI/Exelon Generation, Region I



Leah Gallek, a TMI chapter member, gave a lecture to the physics majors at Millersville University in April. Leah, a 2006 graduate of Millersville University, works as a Reactor Operator and recently promoted to a Senior Operations Procedure Writer at TMI. The lecture gave an overview of nuclear theory and how nuclear energy is converted into electricity. The lecture also covered the three major accidents in commercial nuclear history, Three Mile Island in 1979, Chernobyl in 1986 and Fukushima in 2011. Students were given an opportunity to ask questions, such as the safety precautions that are taken in nuclear generation and also how to enter into a career in nuclear power. Following the lecture there was a student and faculty dinner where more questions were answered in an informal setting. ✨

## TMI Takes Clean Energy Message to Elementary Schools

Submitted by: **Patty Handy**, Sr. Rad Pro ALARA Specialist, TMI/Exelon Generation, Region I

Approximately 250 local Middletown, PA students and teaching professionals learned about clean green nuclear energy production and the careers available in nuclear power generation from TMI chapter members Tammy Hanlon, Sr Chemist, Patty Handy, Sr. Radiological Protection ALARA (As Low As Reasonably Achievable), Specialist and Marco Wolf, Mechanical Maintenance First Line Supervisor (FLS).

In May, approximately 200 first through five grade students took turns in small groups listening and learning for 25-minute sessions during the John Kunkel Elementary School Career Day located in Middletown, PA.

Ms. Patty dressed out for the students in partial protective clothing explaining when it is worn and how it protects workers from radioactive contamination. A brief summary was given of the jobs she held while growing up and classes attended prior to getting into the field of Radiation Protection. The students learned the basics of how a nuclear power plant works and why it considered clean green energy. They also acted out the main processes using their own "fuel fission fingers" to better understand how heat is produced. It was explained that because you can't see, hear, smell or touch radiation, special instruments need to be used to find it. The students were then given a demonstration using a survey meter to show how the instrument detects radiation. Questions from the students were all over the spectrum from "how much money do you make" to "how much radiation is in the universe". As the focus of the day was careers, the students were to pick something they enjoy doing, putting the effort in to learn all they can on the subject and provided with the message that it's ok to change as to become whatever they want if they work for it.



Also in May, the Londonderry Elementary Schools third grade students were presented with this year's Exelon Generation 'Gabby Green – The Power of Clean Energy' hosted by Tammy Hanlon and Patty Handy. The students learned about the different types of clean energy (water, solar, wind, nuclear) there are today and a summary of how each one worked. The students were given a detailed overview of how a nuclear power generation plant works that included photos of actual plant equipment that even shows the 'blue glow' from fuel in the core. The students asked many questions and enjoyed participating in making nuclear power using their bodies. ✨

## Diablo Canyon Chapter Partners to Support Local Career Fair

Submitted by: **Shilo Terek**, Employee Concerns Program, Pacific Gas and Electric Company's Diablo Canyon Power Plant, Region IV

The Diablo Canyon Chapter, in partnership with the Diablo Canyon Chapter of North American Young Generation in Nuclear, attended a local career fair to infuse interest in the nuclear industry and share employment opportunities. The career fair was held at a local middle school in April and was attended by dozens of local and regional employers.

The Diablo Canyon Chapter supports dozens of outreach activities each year, directly supporting the U.S. WIN outreach pillar. ✨



*Pictured left to right: Volunteers: Tom Esser, Danielle Power, Greg Larson, Daniel See, Heather Lewis and Meenakshi Joshi*

## TMI Chapter Member Participates in Local Area Career Day

Submitted by: **Jermaine Pickett**, Work Week Manager, TMI/Exelon Generation, Region I

TMI chapter member Jermaine Pickett participated in one of the local elementary school's annual career fair held on in May in Middletown, PA. Jermaine is a Work Week Manager with Operations and Maintenance experience. TMI, along with many other local area businesses, supported the career fair by providing the elementary school students a description of careers that are in their community.

The setup of the career day promoted interaction between the students and the local community business professionals. The students were able to ask the presenter a multitude of questions and view interactive material.

Jermaine discussed the wide variety of job opportunities available at TMI as well as the basic operation of a nuclear power plant, how operators obtained their positions, and her personal background. The students all showed great interest and were already aware of several nuclear facts and uses.

It was a fun day for both the local business professionals and the students. ✨



## Clean Air Carolina's Fifth Annual 5K Run and Walk

Submitted by: **Kara L. Lukehart**, Administrative Assistant, President of URS WIN Chapter, URS, Fort Mill, S.C., Region II

In June, U.S. WIN members from AREVA Inc. and URS teamed up as "Nuke Girls on the Block" to participate in Clean Air Carolina's 5th Annual 5K Run & Walk for Clean Air at Rural Hill Farm in Huntersville, N.C. The team wore "Go Green. Go Clean. Go Nuclear." shirts with "Know Nukes #nuclearmatters" on the back to promote nuclear energy as a carbon-free source. Participants included Suzanne Delica, Fariba Gartland and Mamie Mason of AREVA Inc., and Devon Atkins and Kara Lukehart of URS.

Clean Air Carolina's mission is to ensure cleaner air quality for all North Carolinians through education and advocacy and by working with its partners to reduce sources of pollution. For more information, go to [cleanaircarolina.org](http://cleanaircarolina.org). ✨



Team "Nuke Girls on the Block"- Fariba Gartland, Kara Lukehart, Suzanne Delica, Devon Atkins, Mamie Mason, and mascot Cole Lukehart.



Cole, the "Nuclear Pup" in his "Go Nuclear" shirt.

## An Energized Start to the Summer

Written by: **Bev Martin**, Areva, Inc., Region II

The fast approaching long hot days of summer did not slow down the activities for the AREVA Chapter. Members participated in the Central Virginia United Way Day of Caring by sponsoring two projects: a food drive benefiting the Campbell County Rural Emergency Assistance Program (REAP) and a games and crafts collection benefiting Tiny Angels Early Learning Center.

Collections were made at AREVA's Lynchburg locations, and the response from employees was tremendous. Both organizations were overwhelmed by the generosity of AREVA's employees upon receiving boxes of food, toys and games collected during the drives.

In June the chapter's Awards and Recognition committee reviewed scholarship applications submitted by a pool of high school seniors graduating with a cumulative GPA of 3.0 (on a scale of 4.0) or higher who had applied to a two-year or four-year college or university. Scholarships of \$1,000 each were awarded to Benjamin Ottoman, a senior at Jefferson Forest High School, who plans to study computer engineering at the University of Virginia in Charlottesville, Virginia, and Logan Davenport, a senior at Liberty High School, who plans to study computer engineering at Virginia Tech in Blacksburg, Virginia.

Also in June the chapter's Professional Development committee facilitated a meaningful book discussion of *Daring Greatly* by Brene Brown. The book's discussion helped to foster self-development, a positive attitude and encouragement among the chapter members. According to members, details of the book left a lasting impression. The author's final thoughts regarding her favorite quote from Theodore Roosevelt stood out: "It is not the critic who counts, not the man who points out how the strong man stumbles, or where the doer of deeds could have done better. The credit belongs to the man who is actually in the arena, whose face is marred by dust and sweat and blood; who strives valiantly; who errs, who comes short again and again, because there is not effort without error and short coming; but who does actually strive to do the deeds; who knows great enthusiasms, the great devotions; who spends himself in a worthy cause; who at best knows in the end the triumph of high achievement, and who at worst, if he fails, at least fails while daring greatly..."

Through these activities and more the AREVA Chapter continues to be committed to the productive and safe use of nuclear energy, science and technologies in the advancement of nuclear power and related fields and has members that support activities that advocate the positive attributes of nuclear energy and technologies. ✨



## Westinghouse Chapter Sponsors Science Day

Submitted by: **Jessica Tatarczuk**, Senior Engineer, Westinghouse Electric, Windsor, Connecticut, Region I

In June, the Westinghouse Chapter in Windsor, Connecticut sponsored a science day at the Burns Latino Studies Academy in Hartford, Connecticut. The school's fifth graders gathered in the school auditorium to witness two members of the staff from the Connecticut Science Center share "Forces in Motion." Through the use of simple examples, they showed the children the forces of physical laws, including centrifugal force, gravity, air resistance, and the explosive nature of air pressure. The hour-long show was interactive and engaging for the children as judged by the laughter and applause. When volunteers were solicited from the audience, every child's hand was raised. Following the demonstration, school Principal Dr. Monica Brase presented Westinghouse-Windsor WIN Karen Randall with a certificate of appreciation for volunteerism and science education. For the last five years, a group of members from the Westinghouse-Windsor WIN chapter has mentored 10-12 fifth grade girls in science on a monthly basis throughout the school year. Each year, the chapter also sponsors a larger event, to teach science and engineering to the entire fifth grade at the school. This event ended U.S. WIN's participation for this school year. Members look forward to the experience with a new fifth grade class next year. ✨



# Middle Schoolers Make the Most Innovative Solutions; Girls in Technology Sponsored by GE Hitachi Nuclear Energy

Submitted by: **Ashley Culler**, Project Manager, GE Hitachi Nuclear Energy, Region II



*Students constructing their innovative solution.*



*Evan Cottingham presentation on GE's various industries.*

Sitting on the edge of their seats, 65 Wilmington, NC middle school girls watched in anticipation as a train strapped with rockets propels down the tracks toward a nuclear fuel transport container. BANG! The container flies 50 feet the air and lands on the ground with a thud potentially damaging the contents.

The video demonstrated the challenge the girls recreated for the May 16, 2014 Girls in Technology Day sponsored by GE Hitachi Nuclear Energy (GEH). Girls from six different middle schools were combined into eight groups and instructed to design the most robust transport container for nuclear fuel rods, keeping in mind budget and time constraints.

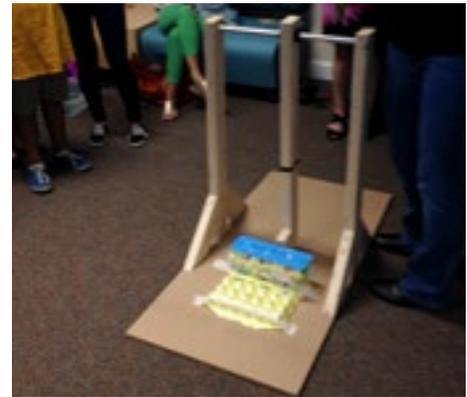
The girls were told new nuclear "fuel rods" had been invented, built of dried spaghetti attached to several pieces of clay. They were then instructed to design the best transportation container to protect the rods. Each group's invention was put through a drop test (a mock train collision) and then inspected by the GEH volunteers. Awards were given to all the teams and ranged from best teamwork to most innovative solution. This specific challenge was given to nuclear experts over the years and only one other group of GEH interns had the same success of not cracking any "rods." All of the girls exceeded all expectations and every group completed the experiment without breaking any of the "fuel rods." It really demonstrated that young minds create the most innovative and successful designs.

Each team had a professional from the local GE site who acted as a facilitator allowing the girls to interact and ask questions. A teacher from one of the schools stated the GEH mentors "guided the students at a crucial time in their lives. During the middle school years, many girls distance themselves from STEM (Science, Technology, Engineering, Mathematics) subjects." Opportunities like Girls in Technology can be a life-changing day from a career standpoint for local

students. One student even professed the experience was “the best field trip” she had ever been on!”

They were also exposed to special speaker Evan Cottingham OMLP (Operations Management Leadership Program) who explained the various industries that GE provides. The day was to encourage the girls to further explore their true interests no matter what industry may be in their future.

This workshop was a fantastic opportunity for local middle school girls, as it provided real world hands-on experience with U.S. WIN professionals. Furthermore, students were able to branch out from their comfort zone and work with unfamiliar teammates to complete their tasks. The program shows students how the technical side blends in with the creativity and how engineering is really about problem solving, culminating in an unbelievable experience that sparks student interest in STEM related fields. ✨



*The “train” impact test performed on one of the winning designs.*

## Diablo Canyon Chapter Facilitates Training to Enhance Public Speaking Skills

Submitted by: **Shilo Terek**, Employee Concerns Program, Pacific Gas and Electric Company's Diablo Canyon Power Plant, Region IV

The Diablo Canyon Chapter organized and facilitated a training to enhance public speaking skills. The Chapter enlisted the help of Pacific Gas and Electric Company's Corporate Affairs team to educate members on the company's political positions and how to deliver concise and powerful public comments. This workshop came just weeks before the Nuclear Regulatory Commission hosted the plant's End-of-Cycle meeting for 2013. The program was so successful that the plant repurposed the workshop and opened it up to the entire facility.



What was the key takeaway? Share your story. The most important piece during a public comment opportunity is to caveat your comments and share your personal testimony.

The Diablo Canyon Chapter supports several of professional development activities each year, directly supporting the U.S. WIN professional development pillar. ✨

### Follow U.S. WIN On Twitter!

Follow **@WomenInNuclear** to keep up with U.S. WIN happenings. We welcome your suggestions and comments by direct message on Twitter or by email to **CommComm@winus.org**. If you'd like to join the Twitter Team, please contact **Kara Lukehart** at **karalukehart@urs.com** for more information.

## WHAT IS U.S. WOMEN IN NUCLEAR?

- U.S. Women in Nuclear (U.S. WIN) is the premier network of over 6,000 women and men who work in nuclear- and radiation-related fields around the country.
- U.S. WIN members participate in networking, professional development and outreach activities through local chapters, regional organizations, and the national organization. Local chapters are organized based on company, university/college, or geographic region.
- In addition, U.S. WIN is an affiliate of the Women in Nuclear Global organization (WIN-Global). The WIN-Global organization is made up of more than 3,800 members in 94 countries.

### 2014 National Nuclear Science Week (NNSW) – October 20-24

NNSW kicks off Oct. 20. Go to [nuclearscienceweek.org](http://nuclearscienceweek.org) for activity ideas that your chapter can emulate. The U.S. WIN Communications Committee will award \$500 in U.S. WIN Wear to the chapter that is the most “re-active” in promoting NNSW. Submit a short story to [CommComm@winus.org](mailto:CommComm@winus.org) by **Friday, Nov. 14**, describing:

- Number of activities
- Percentage of membership participating
- Number of public reached
- Public sectors reached (e.g., K-12, college, industry, civic organizations, government)
- Variety of topics covered

For more information visit us at [winus.org](http://winus.org)

## SUBMIT YOUR STORY TODAY

We want to know what your U.S. Women in Nuclear (U.S. WIN) Chapter is doing to support an environment in nuclear energy and technologies, provide a network for professional development or provide public education opportunities. This is how you can contribute:

### 1. COMPOSE YOUR STORY.

Brag about a great event you put on recently, tell us about something important happening at your facility, or highlight a personal achievement of a member of your chapter. You can type it in a word processor document, or even just put it in the body of an email. Make sure to include your name, plant and company, region, daytime phone number and email address.

### 2. ADD PHOTOS.

They say a picture is worth a thousand words so be sure to add a photo! Photos make your story pop and add that personal touch. Make sure that you follow the guidelines – get permission from everyone in the photo before you submit it. You can find a copy of the release form at the U.S. WIN website.

### 3. SUBMIT YOUR STORY.

Email your story and photos to [CommComm@winus.org](mailto:CommComm@winus.org).

For a complete set of submission guidelines, go to [www.winus.org](http://www.winus.org), click on Member Resources, select Publication Materials, then U.S. WIN Newsletter Submission Guidelines.