



2016 Annual Report

Web: www.naygn.org

Summary of NAYGN Accomplishments

Overall NAYGN Metrics

- 98,880+ member volunteer hours!
 - 55,000 people reached with public outreach initiatives
 - 34,000+ hours spent on professional development
 - 25,000+ hours spent on public outreach and community service

Professional Development and Networking Events

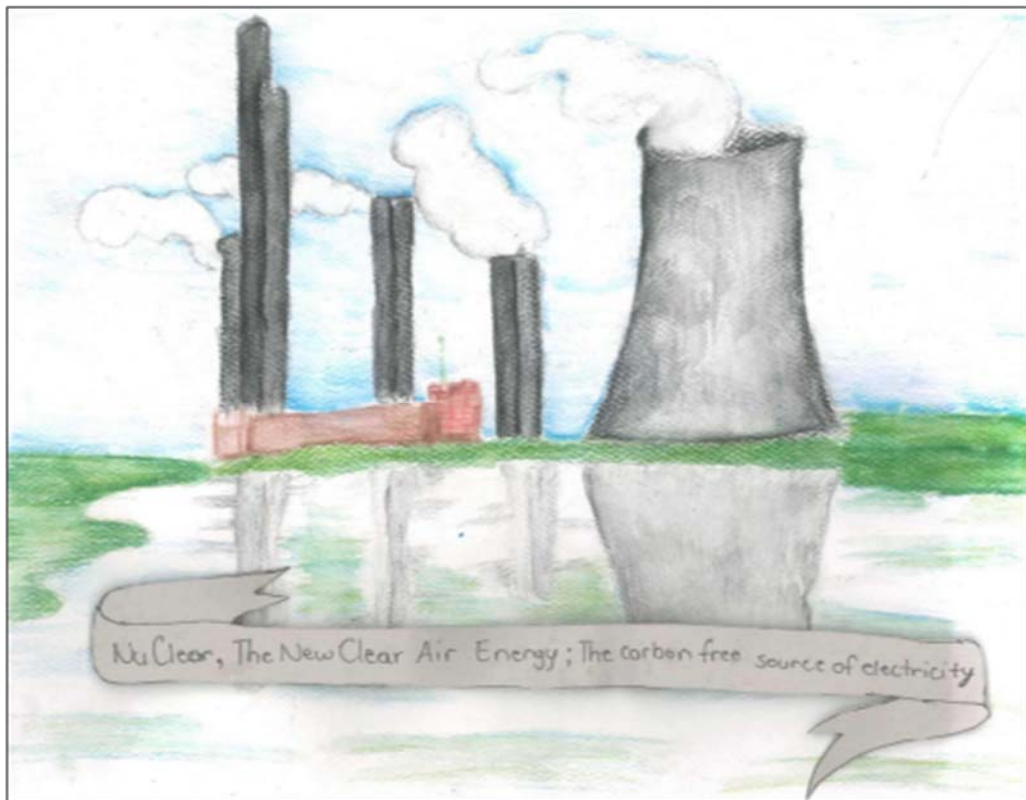
- 2016 Annual conference & workshop in Miami, FL
- Regional Events (see Regional Event Summaries)

Public Information and Outreach Events

- Postcard Push Day – coordinated with local chapters to send 5,000 postcards to state and local officials during National Nuclear Science Week.
- Drawing contest – In 2016, 14 chapters participated in the drawing contest: “*NuClear: the NEW Clear Air Energy.*” The drawing contest engaged approximately 1200 students across 4th & 5th grades on the topic of nuclear power. Chapters collected 140 drawings that were narrowed down to 8 finalists. The first place drawing was awarded to Tavetria Amponsah.
- High School Essay Contest – The essay contest encouraged high school students to research energy sources and recommend power generation technologies that curb climate change and allow developed countries to maintain their standard of living. The first offering reached 190 students and NAYGN received 87 essays for the contest. The five essay finalists are listed below:
 - 1st Place Tommy Tran
 - 2nd Place Aarushi Venkatakrisnan
 - 3rd Place Drazen Gierman
 - 4th Place Kamari Norris
 - 5th Place Fernando Mondragon



2016 NAYGN Post Card



2016 Drawing Contest Winner – Tavetria Amponsah

2016 NAYGN Impact

In May 2016, NAYGN introduced *The Impact* initiative to align NAYGN efforts to make the most impact for the nuclear industry. NAYGN chapters were asked to select a challenge to work on with their chapter. In 2016, 25 chapters successfully complete this challenge. Some chapter accomplishments are highlighted below.

PUBLIC OUTREACH

- Energy Northwest became an official part of the company's outreach program and facilitated public outreach training for site personnel including incorporation into technical training cycle.
- Comanche Peak invested over 200 hours in outreach activities, reaching 550 members of the public.
- Durham chapter spoke at a live broadcasted public hearing for the Port Hope license.
- GE chapter partnered with Wilmington ANS to host the Nuclear Science Week "Big Event" which reached more than 1,500 students and community members.

INTERNAL EFFORTS

- AREVA Richland held technical lunches with experts to learn areas outside of their assigned work.
- VC Summer developed a program for new employees that utilizes volunteers from the site to assist and acclimate new employees to the culture and practices.
- Calvert Cliffs paired with senior leaders to communicate "*Delivering the Nuclear Promise*" and what it means to individuals at the site.
- Dominion Innsbrook interviewed retirees in group setting to transfer tacit knowledge.

OTHER CHAPTERS COMPLETING IMPACT GOALS

- AREVA - Charlotte
- Creating Services
- Curtiss-Wright,
- Duke Energy
- Enercon Northeast
- Entergy ANO
- Entergy Echelon
- Entergy River Bend
- Entergy Waterford 3
- Exelon West
- First Energy Akron
- Palo Verde
- Rolls Royce
- Southern Nuclear Corporate
- Vogtle 1 & 2
- WECTEC Charlotte
- Westinghouse - Rock Hill
- Westinghouse - Pittsburgh
- Westinghouse - Windsor

NAGYN Impact Efforts Continuing in 2017

- The Duke chapter developed a children's book on nuclear energy targeted at children 6 to 8 years old. Books are planned to be available to each NAYGN chapter prior to Nuclear Science Week, October 16-20, 2017.
- NAYGN sponsored ANS for a project that will identify the opportunities for improving and expanding nuclear energy education resources.

- NAYGN has a representative on the Nuclear Matters' Advocacy Council to provide the perspective of the young generation and the resources of the organization to inform the public and policymakers about the value of nuclear energy.
- NEI Communications Advisory Committee added NAYGN as an ex-officio member to assist in identifying industry needs for communications support.



Southern Nuclear Corporate Chapter's Scout Merit Badge Workshop



The River Bend chapter safety spotlight mural in the employee cafeteria.



Girl Scout Event at Palo Verde Energy Education Center



AREVA and Westinghouse Nuclear Advocacy Event at UNC Charlotte

Regional Summaries

Atlantic Region

The Atlantic Region continued the tradition of co-hosting the regional conference with the Northeast Region. The 2016 event was held in Wilkes Barre, PA. The theme of the conference was “Bettering You for Nuclear Success,” and focused on professional development skills for members. Moving forward into 2017, the Atlantic Region plans to combine the regional conference with an American Nuclear Society conference.

The Atlantic Region continues to be a strong part of NAYGN with chapters continuing to host internal events for networking, professional development, public information, and community service. The region’s close proximity to DC has also allowed the region to be involved in unique events such as the US Science and Engineering Festival, and allow inter-chapter networking events which are planned to continue in 2017.

Carolinas

The Carolinas Region remained engaged as nuclear advocates and young nuclear professionals by hosting four regional events to encourage participation and networking throughout the year, and submitting over 26,000 total hours in the areas of professional development, community service, public information/outreach, and social networking. The Carolinas region was also proud to welcome two new chapters to the region.

Regional Event #1 included a tour of McGuire Nuclear Station, followed by a networking hour and an opportunity to watch the Charlotte Knights baseball team on Friday night. Saturday commenced with tubing on the Catawba River. Regional Event #2 included tours of Brunswick Nuclear Power Plant and the Sutton Combined Cycle Plant, followed by a networking event at Waterline brewery. On Saturday, participants could enjoy a day of teambuilding and networking at the beach. Regional Event #3 included tours of the AP1000 construction site at V.C. Summer and the McMeekin/Saluda Hydro plant, with a social networking event that evening. The following day, participants could enjoy a day of paintball with their fellow NAYGN members. The final regional event involved an interactive panel session on “The Future of Nuclear” followed by a short walk to a networking social event that night.

The region will continue to plan engaging events for their members in 2017, with new and exciting ideas suggested by members to continue to strengthen our region and involve the community service and public information pillars as highlights of our future events.

Midwest

The chapters in the region were very active during the year with nearly 14,000 total hours spent on professional development, networking, public information and community service. The Midwest Chapters reached over 11,000 people during public information and community service activities including site tours, teacher/school presentations, girl/boy scout days, and volunteering at food pantries. The Midwest also had great numbers in Professional Development that included lunch and learns, company professional development seminars, and the continental/ regional Conferences. Over 40 members from the region attended the

regional professional development conference which was hosted by the Fermi Chapter at the DTE Energy Headquarters in Detroit, MI. Several chapters from the far reaches of the region multiple members to the regional event where they heard from engaging speakers and had the opportunity to network with members from other chapters and even members within their own chapter that do not frequently interact with.

Northeast

In 2016, the Northeast continued the tradition of a joint regional conference with the Atlantic Region. This year, the conference was held at Susquehanna nuclear station in October. NAYGN members focused on building their professional development skills through the theme of “Bettering You for Nuclear Success.”

Locally, 2016 was another active year for many of the chapters in the Northeast Region. Westinghouse-Pittsburgh teamed up with the United Way campaign to create a new STEM event and connect with Pittsburgh city students. PSEG Nuclear Salem and Hope Creek organized and participated in 18 Public Information events throughout the year including both a Girl Scouts and Boy Scouts workshops. In July, the Exelon-East chapter hosted a fleet wide Professional Development Conference for chapter members.

Southeast

The Southeast Regional conference was sponsored by Entergy and held in New Orleans, LA in late August. The conference drew over 70 engaged members from across the region. Panels and breakout sessions varied in topic, but focused on professional development and how to better tell our story through public outreach.

Some panel topics included “How the Institute of Nuclear Power Operations Works,” “Delivering the Nuclear Promise,” “Advocating for Nuclear Power,” and “The Completion and Start-up of Watts Bar Unit 2.” Approximately 30 members participated in a local community service project at Ground Work New Orleans Earth Lab.

Chapters within the Southeast Region continue to focus on professional development, with lunch and learns being the most popular vehicle. There has been a peaked interest in public outreach, specifically in STEM education, which will be a lead topic at the 2017 regional conference, hosted by INPO.

West

The 2016 year was busy and eventful for the West Region. To kick off the year, Palo Verde Young Generation in Nuclear (PV-YGN) participated in the Boy Scouts of America Grand Canyon Council Scout-O-Rama at the University of Phoenix Stadium lawn where they taught kids and parents fundamentals of nuclear energy, power plant operation, and radiation protection. Activities included a mousetrap reactor to illustrate the chain reaction that happens in nuclear fission, running a miniature steam plant to demonstrate converting thermal energy into electrical energy, and using a Geiger counter with common radioactive items to explain radiation and radiation protection.

Throughout the year, the Curtiss-Wright West Chapter focused on increasing membership understanding of plant operations and what it's like for plant working on-site. The chapter achieved a better understanding and appreciation for the role suppliers play in smooth, safe plant operations.

AREVA Richland Chapter focused on knowledge transfer during 2016. They hosted monthly technical lunches during which experts in the various technical groups at the site presented. This helped broaden the understanding of how all their work is interrelated, and established contacts with people doing similar and complimentary work.

The Diablo Canyon and Energy Northwest Chapters were very active throughout 2016. Diablo Canyon Chapter members participated at dozens of public outreach events to increase public awareness and appreciation for the benefits of DCNPP and how it contributes to the local and state communities. Members of the Energy Northwest Chapter teamed up with the site's Women in Nuclear (WIN) Chapter to bowl for charity in support of the Junior Achievement League.

2016 Awards

George Hairston Visionary Leadership Award

The George Hairston Visionary Leadership Award recognizes an executive who furthers NAYGN with their executive peers, supports both their local and continental NAYGN chapters, and spends time mentoring their organization. In 2016, NAYGN awarded Ben Waldrep with the Hairston Award.

Founder's Award

The NAYGN Founder's Award recognizes an individual's extraordinary role in providing leadership to their organization, dedication to help it flourish and grow, and ingenuity that exemplifies the founding members of NAYGN. In 2016, NAYGN Awarded Kristin Murray Zaitz with the Founder's Award.

Best Chapter in Region Awards

- Atlantic Region: Dominion Innsbrook
- Carolinas: Duke Energy
- Midwest: Exelon West
- Northeast: Westinghouse – Pittsburgh
- Southeast: TVA – Arkansas Nuclear One
- West: Palo Verde

Best Overall Chapter: Duke Energy

Public Information Award:

GE Hitachi Chapter received the Public Information Award for hosting the 2016 National Nuclear Science Week Big Event. The Big Event hosted 1500 participants over 3 days in various STEM activities such as building snap circuits and learning how a nuclear power plant works through the “nuclear dance.” The Big Event also allowed 100 members of the public to tour the Brunswick NPP and GE Hitachi fuel plant.

Knowledge Transfer and Retention (KT&R) Award

Duke Energy NAYGN chapter received the KT&R Award for expanding the Seasoned Employee/Non-Seasoned Employee Interface (SENSEI) program and continuing the Subject Matter Experts (SMEs) of the Future program.

The SENSEI program recognizes seasoned employees who go above and beyond to share their years of knowledge with less experienced employees and take an interest in developing the newer employees. The program increase knowledge of new employees.

SMEs of the Future Program subject matter experts provide information to chapter members across the company fleet. NAYGN members present the materials to their chapter. Maximizing retention and increases knowledge of presenters. Presentations recorded for uploading to HUB.

Future Award

In 2016, NAYGN awarded two future awards: Nuke 101 and High School Essay Contest.

1. Nuke 101

NAYGN awarded five individuals for their efforts to develop a program to provide STEM educators with an understanding of the fundamental concepts of nuclear science and nuclear power generation. The program reinforces concepts to allow educators to encourage students to pursue careers in nuclear. The program provided the STEM educators to tour LaSalle and instruction materials for future students.

- Natalie McIntosh
- Kristine Madden
- Amber Von Ruden
- Steve Buck
- Jill Pflugshaupt

2. High School Essay Contest

NAYGN awarded three individuals for their efforts to organize and successfully implement a first-of-a-kind essay contest for high-school students. The essay contest encouraged students to research energy sources and recommend power generation technologies that curb climate change and allow developed countries to maintain their standard of living. The first offering reached 190 students and NAYGN received 87 essays for the contest.

- Amanda Lang
- Petrina Williams
- Chris Wolfe

2016 SPONSORS

PLATINUM LEVEL



GOLD LEVEL



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SUPPORTER LEVEL

- Cameco Corporation
- Canadian Nuclear Society
- Canadian Nuclear Association
- Curtiss-Wright Corporation
- Holtec International
- MPR Associates
- PSEG Nuclear LLC

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