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Update from our Executive Director

I am honored to have been named the next executive director of this unique non-profit organization. CNTA is a group that exists to speak the truth on all things nuclear, whether it be popular or not. With the shifting public opinion on nuclear energy as a way to address climate change, and the resurgence of nuclear topics in the news thanks to the Oppenheimer movie, the issues we have focused on for 32 years are starting to become mainstream. Our task now is to continue to focus on the facts and counter the misunderstandings that can arise as a result of this newfound popularity.

It's an exciting time for nuclear technologies, and for CNTA. We continue to dedicate ourselves to nuclear education, and this is evidenced in all our activities. This summer, volunteers taught courses as part of the Department of Energy Minority Serving Institutions Field Station at SRS; we hosted an Up & Atom featuring the next generation of workers who were interning on site; and we awarded the 2023 Maher Memorial Scholarship. This momentum will carry into our fall events and activities. Our education committee will unveil updated outreach presentations at SEED on September 23rd, and we look forward to partnering with the SRS Museum at the Fall Fission Festival during Nuclear Science Week.

As a grassroots non-profit organization, CNTA's existence is a direct reflection of our members' dedication to the cause. I always say CNTA wouldn't exist without our members, and this is true. I would like to thank the 500+ members of CNTA for their support, and we look forward to seeing you this fall!

Allison

Update from our Board Chair

I am so pleased that Dr. Allison Hamilton Molnar has accepted the position of Executive Director of CNTA! Building on her incredible skills as our Chief Operations Officer, she will now assume the fiduciary responsibility for the organization as defined in our by-laws. This assures continued effective leadership while Dr. Jim Marra reduces his day-to-day activities and takes a half step toward retirement. Jim will still serve as our subject matter expert as Nuclear Technology Advisor. I thank them both for their continued guidance and support and, more importantly, their passion for keeping CNTA strong. This has made 2023 a very good year as we fully emerged from the Covid effects.

As we move into our traditionally active fall, I ask all of you to show your passion for CNTA. I challenge you to do one or more of the following to help us grow and expand our opportunities to reach more students and citizens on why nuclear is important to the CSRA and our lives.

- Keep your membership current and consider jumping to the next level as a Champion, Advocate or Benefactor.
- Encourage one friend or colleague to join – especially any Young Professionals that qualify for free membership.
- Be active and volunteer for one of our STEM events or community outreach – help be the face of CNTA.
- Attend our fall activities:
 - Teller Lecture
 - Up and Atom breakfasts
 - Young Professional Oyster Roast

Thanks again for your enduring support, and I will see you at breakfast.

Steve Sheetz

Education Committee Updates

STEM ACTIVITIES

CNTA's Education Committee has been hard at work this summer. The committee is re-working the entire CNTA education outreach program; has prepared the fall launch of the 2024 Educator Grant Program and High School Essay Contest; and has many upcoming activities and presentations.

The committee needs **YOUR HELP!** Volunteers are needed to help at CNTA's educational booth at both SEED (September 23rd from 10-2pm) and the SRS Museum's Fall Fission Festival (October 21st from 1-4pm). Contact cnta@bellsouth.net if you can volunteer an hour or two. No expertise in nuclear required to help!



Summer Course to Young Engineers

CNTA members Paul Ebel and Jim Marra taught a summer course on Research Methods, and Frank Heckendorn taught a course on Robotics to a group of young engineers through the DOE Minority Serving Institutions Field Station at SRS. These students came to Aiken from across the country to participate in this summer program hosted at UofSC Aiken.



Advocacy/ Public Outreach Activities

In addition to educational programs, CNTA members participated in several other public outreach activities this summer. Allison Hamilton Molnar represented CNTA at ETEBA's Savannah River Federal Business Opportunities Forum on June 14th & Jim Marra spoke to the Kiwanis Club of Augusta on August 24th.

CNTA has an entire committee of dedicated volunteers who are willing to speak to public groups and give presentations on topics ranging from "About CNTA" to technical presentations on a wide variety of topics.

We are also always looking for content for our social media sites. Send ideas our way!



2023 Maher Memorial Scholarship Recipient

Citizens for Nuclear Technology Awareness (CNTA) and Savannah River Mission Completion (SRMC) have announced Kennesaw State University (KSU) student Simon Bratescu as the winner of the 2023 Robert Maher Memorial Scholarship.

The scholarship is sponsored by SRMC, the liquid waste contractor for the U.S. Department of Energy at the Savannah River Site (SRS).

Bratescu, a junior from Gainesville, Georgia, is pursuing a bachelor's degree in mechanical engineering with a minor in nuclear engineering at KSU. CNTA Executive Director Allison Hamilton Molnar said CNTA is proud to award this \$5,000 scholarship to such a talented and deserving student.



“Simon’s passion to pursue nuclear research was immediately evident in his scholarship application,” Hamilton Molnar said. “CNTA is pleased to present him with financial support to continue his education. No doubt he will be an exemplary addition to the nuclear industry.”

In Spring 2023, Bratescu joined KSU’s Office of Undergraduate Research Summer Program, conducting research on the study of thermal transport properties of nanomaterials. He is also the president of Kennesaw Nuclear Society, the American Nuclear Society’s student organization. His aspirations are to create better ways for future, safe transportation of nuclear waste, as well as commercialized nuclear-powered transportation.

“I knew a major in mechanical engineering and a minor in nuclear engineering would allow me to pursue my childhood passion for nuclear reactors,” Bratescu said. “I have always thought about how reactor development would grow to the point where transporting nuclear waste materials would become a highly critical part of our infrastructure, which is why I would love to develop a way to safely transport nuclear waste as if it were a crate of apples.”

“Reliable, safe, and cost effective are all key elements in successful transport of anything. By receiving this scholarship, it enables me to further my studies through Kennesaw State to allow me to develop the best way to transport this nuclear waste in the future,” Bratescu said.

The Robert Maher Memorial Scholarship is a joint project of CNTA and SRMC. Maher, Vice President and General Manager for Strategic Mission Development at SRS, passed away in 2002 after a 48-year career at the Site. A visionary with a broad view of the Site’s potential, Maher helped shape SRS.

The annual scholarship was established in Maher’s memory to support students pursuing science and engineering degrees in preparation for careers in the nuclear field. Details on the scholarship can be found at: <https://cntaware.org/maher-memorial-scholarship/>.

CNTA would like to thank SRMC for its sponsorship of this annual award and the committee members who had the difficult task of determining a winner. The committee was chaired by John Veldman, and included Dean Campbell, Forest Mahan, John Sindelar, Daren Timmons, and Clint Wolfe.

Communications Committee Update

The communications committee of CNTA has been hard at work this summer writing stories, working on the layout, and copy-editing the 2023 Nuclear Science Week Insert. Every year the committee partners with the *Aiken Standard* to publish this insert, and this year's is looking great! Great work to all the committee members. Be on the lookout for a copy in the October 16th Sunday Edition of the *Aiken Standard*!

In addition to this effort, committee members have been active with CNTA's social media, website, and have written six press releases for publication later this fall. Since the start of 2023, the committee has published 13 press releases on CNTA activities and events.

The Community Gift Card Program in its 3rd year raised over \$1,000 in cash, and contributed another \$1,000 in in-kind donations.

This program provides prizes for CNTA raffles and supports local businesses. Individuals donated cash, gift cards, or raffle prizes purchased from local businesses and were entered to win two tickets to the Fall 2023 Oyster Roast.

Congratulations to our winner Meredith Fulton!

Since 2020, this program has raised over \$7,000!

HELP CNTA & HELP THE COMMUNITY

Support local business by purchasing items or gift cards & donate them to CNTA!

Donations can also be made at:
<https://cntaware.org/about-us/>
 & CNTA will purchase gift cards from local businesses.
 Contact Allison (office@cntaware.org) for details

*All donors received by September 1, 2023 will be entered into a drawing for two tickets to the Fall Low Country Boil on October 7, 2023!

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Up & Atoms

Three college interns from the Savannah River Site (SRS) were the keynote speakers at the July 19th Up & Atom Breakfast.

In one of the largest breakfast event turnouts for the year, the three interns discussed their summer projects, what they learned, and what their company's intern programs have meant for them. More than 300 students interned this summer across SRS.

The three presenters, representing three SRS contractors, were Justin Vu Le from Savannah River Mission Completion, Zaire Shaw from Savannah River National Laboratory, and Neal Thakkar from Savannah River Nuclear Solutions.

In addition to presenting their work to the audience, the three interns also participated in a question-and-answer session where they offered insights on their work, personal backgrounds, and how to reach younger people with the message that the nuclear industry is a good career choice.

Copies of previous Up & Atom Speaker Presentations available at:
<https://cntaware.org/previous-up-atom-speakers/>



From Left: Interns Justin Vu Le from Savannah River Mission Completion, Zaire Shaw from Savannah River National Laboratory, and Neal Thakkar from Savannah River Nuclear Solutions

21st Annual CNTA Charity Golf Tournament

Executive Director of CNTA, Jim Marra, said the event was a great success.

“We had 30 teams participate in a beautiful day of golf,” Marra said. “This tournament is one of CNTA’s most important fundraisers and is a fun, competitive event for participants. This year, we raised net proceeds of approximately \$23,000 that will help CNTA promote and educate the public on nuclear technology. We also had over a dozen donors to our community gift card program, which raised over \$1,000.”

The winning contest participants and their teams include:

- First Low Net- Southern Nuclear Plant Vogtle (Joel Leopard, Byron Brown, John Kelly, Steve Brown)
- Second Low Net- Atkins (Tom Bowes, Frank S, Dexter Aquinde, Phillip Coretti)
- Third Low Net- Sultans of Swing (Paul Young, Brandon Reagan, Roy Fields, Andrew Large)
- Low Gross- Wesworks (Jerry Faulk, Daniel Faulk, Tommy Faulk, Pat Cunning)

Marra added that CNTA was greatly appreciative of the volunteers and donors who helped make this year’s golf tournament a tremendous success. “CNTA exists as a grassroots organization, and events like these would be impossible without our community’s support.”

Select photos available on our website. The full collection of over 300 team and individual photos are available upon request. Email cnta@bellsouth.net for access.



SAVE THE DATE
 The 22nd Annual CNTA Charity Golf tournament will be held May 10, 2024. Sponsorship information is available!

Thanks to our Major Sponsors!



2023 CNTA Charity Golf Tournament

EVENT VOLUNTEERS

Allison Walker	Courtney Arbour	Len Sjostrom
Amy Merry	Dave Fauth	Lindsey Monbarren
Andrew MacMillan	Forest Mahan	Lyddie Hansen
Anne Smith	Frank Heckendorn	Mindy Mets
Azi Samadi	Jim Marra	Nancy Sjostrom
Bill Molnar	John Alexander	Richie Tang
Booboo Roberts	Joy Worrell	Steve Sheetz
Byron Bush	Joyce Hopperton	Susie Ferrara
Charlie Hansen	Kaitlyn Hodges	Terry Ortnier
Cody White	Kim Cauthen	Zeus Mancilla

Raffle/Prize Donors & Community Gift Card Donors:

Bill Molnar	John Veldman
Charlie & Lyddie Hansen	Merrick & Co
Chuck Munns	Model Performance Group
Danielle Elliott	Parvati Consulting
Dean Campbell	Paul Cloessner
Houndslake Country Club	Todd Lista
Jim & Sharon Marra	Wyatt Clark

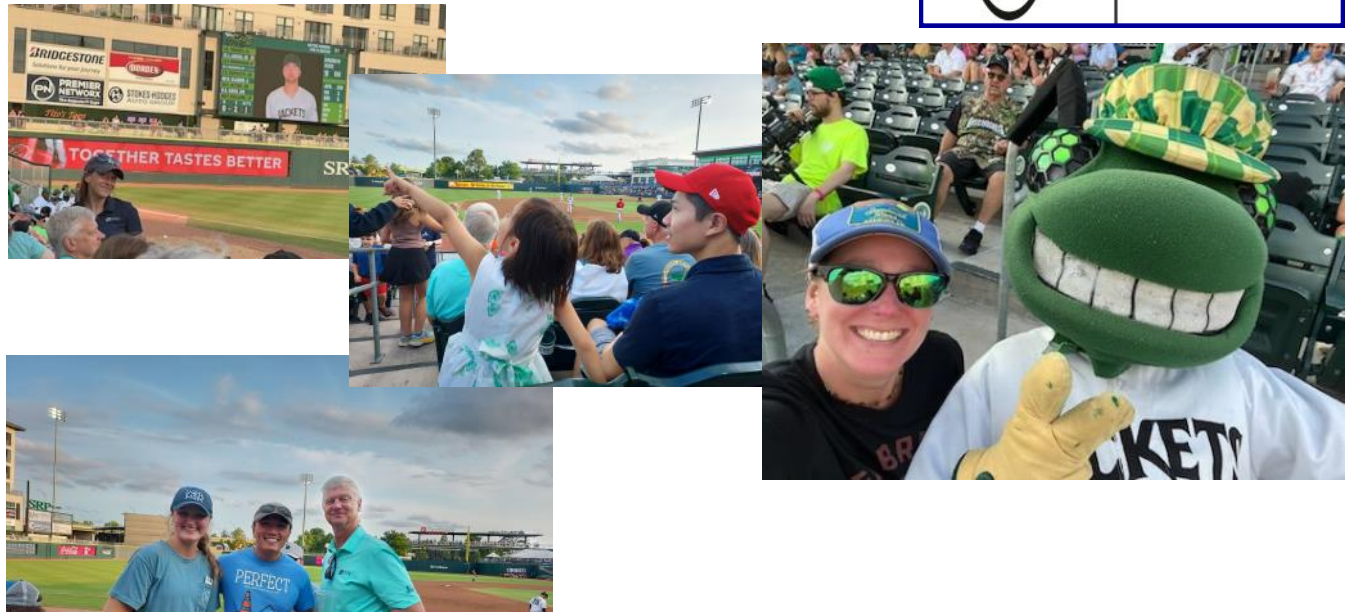
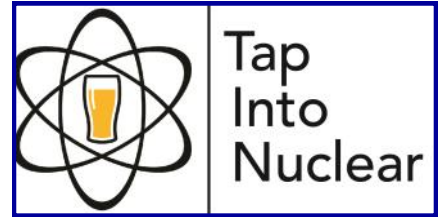
Also thanks to the many donors who chose to remain anonymous!

Thank you all for your participation and contributions. Visit our Website to learn more about CNTA (www.cnta.org) and follow us on Facebook, Twitter & Instagram (@CNTAaware). Remember- CNTA is a 501(c)(3) charitable organization. If you would like a receipt please email cnta@bellsouth.net

Young Professionals Committee

Tap Into Nuclear

June 15, 2023- "CNTA Night out at the Ballpark" with the Augusta Greenjackets at SRP Park! Over 30 CNTA members showed up and had a great evening!



Fall Young Professional Fundraising Event

Oyster Roast & Low Country Boil

Hosted by the Young Professionals Committee of CNTA
This event supports CNTA's young professional & education outreach programs

Saturday October 7, 2023

Palmetto Golf Club, Aiken SC

6:30-9pm

\$50/person

Tickets available at cntaware.org
Get yours before they sell out!

Deadline to RSVP is September 25th

Enjoy oysters & a low country boil provided by JC's Seafood
Live music by Keith Gregory
Event will include a live raffle drawing and more!
Scan below for more information & to purchase tickets



The committee has been hard at work planning the 5th Annual Oyster Roast & Low Country Boil!

The event is set, tickets are now on sale (only a limited supply remain, so buy yours before they sell out!), and the committee looks forward to hosting everyone on October 7th at Palmetto Golf Club.

The proceeds of this event go to support CNTA's young professional activities, the free membership for individuals under 40, and our support of educators across the CSRA

Tickets to the event and more information can be found at: <https://cntaware.org/event/oyster-roast-lcb/>

The committee is looking for volunteers to help that evening with set-up, tear-down, and raffle ticket sales. All volunteers attend the event for free! If interested in helping the young professionals committee at this event please email cnta@bellsouth.net.

SRNS **Southern Nuclear** **LANGENDECKER & ASSOCIATES**

Huntington Ingalls Industries **MERRICK** **SRS** **Security Federal Bank** **ARC**

BURNS MEDONNELL **OMEGA** **CENTERRA**

CNTA is a registered 501(c)(3) nonprofit organization. We've been dedicated to nuclear education since 1991.

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[@cntaaware.org!](https://www.facebook.com/cntaaware)

CNTA Announces New Executive Director

Citizens for Nuclear Technology Awareness (CNTA) announced that Dr. Allison Hamilton Molnar has been named the organization's new Executive Director, effective August 1, 2023.

Hamilton Molnar will replace current Executive Director Dr. James Marra, who will stay on with the organization as the Nuclear Technology Advisor.

CNTA provides education and information on nuclear technology, including nuclear waste management and environmental remediation; energy sources; medical applications of radiation; industrial applications, including food irradiation; nuclear production processes; and national security.



"Allison has served as the Director of Operations for CNTA since December 2017, so is intimately familiar with the organization and its mission," said CNTA Board of Directors Chair Steve Sheetz. "Combined with her background in non-profit fundraising and management, her passion to see CNTA succeed made her an excellent choice to fill this role."

Hamilton Molnar has a Bachelor of Arts degree in group social studies for secondary education (Grand Valley State University, Allendale, MI); a master's degree in applied politics (University of Akron, Akron, OH); a master's degree in political science (University of Iowa, Iowa City, IA); and a doctorate in Political Science (University of Iowa).

She also has a track record of public service. She currently serves on the Board of Directors for the Cumbee Center to Assist Abused Persons; as a fundraiser for FOTAS-Aiken Animal Shelter; and volunteers with Habitat for Humanity of Aiken County. She also serves as a part-time faculty member, providing instruction in political science at Middle Georgia State University.

Hamilton Molnar believes that much of the fear surrounding nuclear is caused by misinformation and hopes to use her new role to help educate people about, and advocate for, the use of nuclear in energy, medicine, and science.

"I am excited for this opportunity to expand my role within CNTA," said Hamilton Molnar. "I believe in the potential for nuclear and how much it plays a role in our everyday lives. We have a wealth of resources in the area in the form of subject matter experts and technology... what better place to help spread the word?"

CNTA COMMITTEE DESCRIPTIONS

Detailed information on ALL of our committees available at: <https://cntaware.org/committees/>

Communications Committee

The Communications Committee is responsible for ensuring accurate and timely information to the media, stakeholders, and the public and to reflect the goals and objectives of CNTA.

Education Committee

The goal of the Education Committee is to educate the public on the benefits, uses, and truths of nuclear technology. This is done through several initiatives: "Bringing Nuclear into the Classroom," Nuclear Blitz teach-ins, Lifelong Learning Academy teaching, and awarding the many scholarships and awards to students and teachers.

Young Professionals Committee

The purpose of the Young Professionals Committee is to recruit and engage young professional members by providing them with mentorship and professional development opportunities as well as raising money to make membership free for those under 40.

SRS and LANL Maintain Strong Partnerships Through Knowledge Transfer, Mutual Support Programs

Submitted by Savannah River Nuclear Solutions

In August 2020, the Savannah River Site (SRS) and Los Alamos National Laboratory (LANL) launched the Knowledge Transfer Program (KTP). This marked the first official joint training effort between the two sites, both designated by the National Nuclear Security Administration (NNSA) to produce the plutonium pits needed for restoring the nation's nuclear weapons modernization program capabilities.

As part of NNSA's two-site implementation strategy, the Savannah River Plutonium Processing Facility (SRPPF) at SRS will be required to produce a minimum of 50 war reserve (WR) pits per year (ppy), while LANL will be required to produce 30 WR ppy. While a multidisciplinary workforce with a variety of skills is crucial for the startup and operation of SRPPF, pit production will require a number of unique and highly specialized skill sets.



"The new production mission at SRS will be a long-term enduring mission and will provide tremendous career opportunities for the workforce," said Jimmy Angelos, Senior Vice President of the Plutonium Modernization Program.

Since the program's inception, nearly 25 SRS employees have signed up to participate in the KTP, which involves a two-year assignment working in LANL's pit production facility. Upon return to SRS, participants embark on an additional two-year assignment on-site, putting the skills and knowledge they've learned at LANL to use.

"Participants receive specialized training for pit production operations, work closely with experienced pit production subject matter experts and develop a working knowledge of current production requirements, constraints and capabilities," said Lisa Lee, Knowledge Transfer and Engineering Competency Development Manager. "The KTP has been very successful in its support of the pit production mission."

SRPPF Electrical Engineer Talbot Westhoff began his rotation at LANL in February 2023. "Given SRPPF needs qualified personnel who understand the process as well as the idiosyncrasies of working with plutonium, getting firsthand experience at LANL will allow me to contribute significantly to the engineering of SRPPF in a multitude of ways," he said.

Drawing from the skills and experience of both sites, the Mutual Support (MS) Program was established in 2022 to complement and build upon the success of the KTP. Much like the KTP, the MS Program allows participants to gain expertise in key areas of LANL's nuclear operations and also bring back lessons learned from their current pit production mission; however, while the KTP requires a two-year commitment on-site at LANL, MS participants take on assignments through remote work and/or on-site visits via short-term business travel, establishing a mutually beneficial collaboration for both sites.

Both programs were designed as components of the SRNS Plutonium Modernization Program, whose responsibilities include the start-up, commissioning and operations of SRPPF. While the KTP focuses exclusively on Engineering, the MS Program has grown from its original area of focus - Information Technology - to include areas such as Weapons Quality, Training & Procedures, Weapons Technology, 24/7 Operations, Environmental Compliance and Waste Management.

Michael Gilles, Plutonium Modernization Program Management, said having the two production agencies at LANL and SRS working together on issues and operability is vital to achieving NNSA's mission of producing 80 ppy. "We recognized early on the importance of having a mutually beneficial mechanism of having the two sites work together and develop relationships with their counterparts at the other site," Gilles said. "Having SRS personnel work on 'real-life' pit-related processes, establishing those contacts, and the chance to network was all incredibly beneficial."

The MS Program has already begun to grow, expanding recently to include Lawrence Livermore National Lab (LLNL) in California. Floyd Stanley, Fellow Scientist, AC/MC Technical, joined the MS Program in January 2023 and continues to participate in efforts at SRS, LANL and LLNL. "I see these efforts as critical to the future success of our capabilities in SRPPF, as well as the growth and training of our personnel as they join the mission," he said. "Without these types of interactions, and regular technical exchanges with established community experts, our work becomes significantly harder."

According to Leo Thompson, SRNS Program Manager for Mutual Support who is stationed at LANL, the biggest advantage of the MS Program involves building relationships and knowledge of the work each site is doing. "Just knowing who your counterpart is - that is super important," he said. "It's not often that two sites have the same mission, and this creates opportunities for partnership and opportunities to share resources. Savannah River has a lot of work ahead to develop the capability and techniques to reliably manufacture pits. The partnership is important to the pit mission at Savannah River."

Centerra Captures Top Award at Active Assailant Response Workshop

Submitted by Centerra-SRS

Centerra, the security contractor at the Department of Energy's 310-square-mile Savannah River Site near Aiken, S.C., captured the top award at the 2023 National Nuclear Security Administration (NNSA) Active Assailant Response Workshop Training Competition. The event was sponsored by the NNSA Office of Defense Nuclear Security at the Volpentest HAMMER Federal Training Center and Hanford Patrol Range in Richland, WA, on July 31-August 4, 2023.

Active assailant events have become a frequent occurrence across the Nation, and the tactics and techniques used are continuously evolving. The Active Assailant Response Workshop was conducted to evaluate the response capabilities of first responders and training programs, share lessons learned and best practices, and provide a training forum where leaders across various Government Safeguards and Security disciplines collaborated to improve mission performance.

"The number of active shooter events has grown Nationwide," said Mark Bolton, Centerra-SRS General Manager. "Although we hope to never experience this type event at SRS, we must continue to train and prepare our Protective Force to respond quickly and effectively to all potential scenarios."

In preparation for the workshop, a team of subject matter experts from across the complex collaborated for two months under the direction of project leads from the Office of Defense Nuclear Security. The subject matter experts then prepared scenarios with a competitive scoring element to add stress to all events.

The workshop included a competition in which four-person teams from DOE and NNSA National Security locations across the Country participated in engagement simulation system scenarios and live-fire events to test response and communications capabilities in simulated active assailant situations. The Office of Security Operations and Programmatic Planning collected data from participant teams throughout the five-day workshop. This data establishes components of the Active Assailant Response Plan Template and the Enterprise Mission Essential Task List Field Manual utilized across the NNSA complex.

Centerra-SRS captured the top overall award in the team competition, validating the Company's active assailant training program and Protective Force capabilities.

"I'm extremely proud of our team that represented the Company, SRS, DOE and NNSA so well at this workshop," added Mr. Bolton. "We have an aggressive training program at the Site, and have worked with all Site first responders to develop a cohesive response capability."

The Centerra-SRS Team consisted of Site Commander Dale Deal, Sergeant Benjamin Parrish, Security Police Officer III Tyler Marzofka, and Security Police Officer III Bradford Hicks.

The Active Assailant Workshop utilized the competition along with focused training to enhance fundamental response protocols and principles and provide tactical leader development in this critical response area.

Emergency Management Planner Richard Brede and Captain Christopher Pinkard attended the Workshop as Centerra Subject Matter Experts and controllers, and Mike Weaver attended as the Centerra Training Division observer.

"This was a valuable learning workshop for all attendees," said Brede. "The lessons learned and best practices shared will provide a framework for all Sites and organizations to enhance their training and protocols related to potential active assailant events."

Earlier this year, SRS conducted a comprehensive active shooter training exercise, which involved more than 300 employees, including security, fire, medical and emergency management. The SRS emergency preparedness exercise involved an active shooter scenario and the Site demonstrated the ability to respond cohesively, quickly and effectively.

Centerra, a Constellis company, is a leading international provider of Government solutions specializing in business processes in sectors where security and safety risks are considered a strategic threat. Centerra has provided security and protective services at the Savannah River Site since 1983, and was recently awarded a new five-year contract to continue in that capacity. In addition to the five-year base period, the new contract includes both a three-year option and two-year option that could potentially extend the contract to a total of ten years.



Centerra-SRS captured first place in the competition component of the 2023 National Nuclear Security Administration Active Assailant Response Workshop in Richland, WA. The workshop was conducted to train and evaluate response capabilities of first responders and share lessons learned and best practices to improve mission performance.

BWXT to Provide Nuclear Reactor Engine and Fuel for DARPA Space Project

Submitted by BWXT

BWX Technologies, Inc. (BWXT) recently announced that its reactor and fuel will be key components in the world's first demonstration spacecraft using nuclear thermal propulsion.

Working as part of a team led by Lockheed Martin, BWXT Advanced Technologies LLC will complete final design of the nuclear reactor, manufacture the reactor's hardware and fuel, assemble the components and deliver the fueled reactor as a complete subsystem for integration into the Defense Advanced Research Projects Agency's (DARPA) Demonstration Rocket for Agile Cislunar Operations, known as DRACO.



DRACO Program Will Demonstrate Nuclear Power's Ability to Propel Spacecraft

The reactor's energy will enable propulsion that allows DRACO to maneuver through space with great speed and agility for an extended period of time. This nuclear thermal propulsion system is designed to be extremely safe and reliable, using High Assay Low Enriched Uranium (HALEU) fuel to rapidly heat a super-cold gas, such as liquid hydrogen. As the gas is heated, it expands quickly and creates thrust to move the spacecraft more efficiently than typical chemical combustion engines.

The spacecraft is targeted for a 2027 launch from Earth in "cold" status (meaning that the reactor is turned off as a part of launch safety protocols) by a conventional rocket, and then the reactor will be powered on once the spacecraft attains an appropriate location above low earth orbit.

"The award of this contract further demonstrates BWXT's ability to design, manufacture and deploy nuclear reactors and fuel on a scale that is unmatched elsewhere in the world today," said Joe Miller, president of BWXT Advanced Technologies LLC. "This partnership with Lockheed Martin working for DARPA adds another important dimension to BWXT's already-impressive line-up of nuclear reactor designs for commercial and defense applications."

"These more powerful and efficient nuclear thermal propulsion systems can provide faster transit times between destinations. Reducing transit time is vital for human missions to Mars to limit a crew's exposure to radiation," said Kirk Shireman, vice president of Lunar Exploration Campaigns at Lockheed Martin Space. "This is a prime technology that can be used to transport humans and materials to the Moon. A safe, reusable nuclear tug spacecraft would revolutionize cislunar operations."

Work on this program will be conducted primarily at BWXT's Mt. Athos Road complex near Lynchburg, Virginia.

North Wind Continues to Build for Success

Submitted by North Wind Group

The Department of Energy Portsmouth Site (PORTS) has been recognized for the 9th consecutive year as a 2023 Electronic Product Environmental Assessment Tool (EPEAT) Purchaser Award winner, which celebrates leaders in sustainable electronics procurement. North Wind Dynamics is proud to have received this recognition and is committed to the continued procurement of sustainable electronics.

North Wind is actively seeking talent to fill key positions all over the country as the company has seen significant growth in the last several years. To view or apply for current career opportunities, visit: www.northwindgrp.com/careers

For more information, visit the North Wind website at www.northwindgrp.com.



Savannah River Site Checks Off DOE Priority With Disposal Unit Construction

Submitted by Savannah River Mission Completion

The U.S. Department of Energy's Office of Environmental Management (EM) has authorized the newest mega-size disposal unit to begin operating at the Savannah River Site (SRS), checking off another priority for the cleanup program for 2023.

The authorization marks the last step before the Saltstone Disposal Unit (SDU) 8 begins to receive decontaminated material for disposal. The unit was completed three years ahead of schedule.

EM's liquid waste contractor at SRS, Savannah River Mission Completion (SRMC), manages the construction and operation of the SDUs. Subcontractors Quality Plus Services, US FUSION & Specialty Construction and DN Tanks completed the site preparation, interior and exterior liner systems, and unit construction, respectively.

The SDUs are the end of the salt waste processing path. The Salt Waste Processing Facility (SWPF) produces decontaminated material that is sent to the Saltstone Production Facility, where it is mixed with dry materials to make a cement-like grout. The grout is pumped into the SDUs, where it solidifies into a monolithic, non-hazardous form.

SDU 8 is the third mega-size unit built at SRS and can hold up to 33 million gallons of saltstone. These larger SDUs are designed to support the increased material production from SWPF. The new SDUs result in more than \$500 million in cost savings over the life of the SRS liquid waste program because they require less infrastructure and materials than the previously planned 80 smaller SDUs.

Achieving significant construction milestones, such as SDU 8, is an EM priority part of the 10-year Strategic Vision, according to Jim Folk, DOE-Savannah River assistant manager for waste disposition.

"DOE-Savannah River is proud to play a critical role in EM's commitment to tackling one of the largest environmental cleanup efforts in the world," Folk said. "The mega-size Saltstone Disposal Units are key in our ability to safely dispose of legacy liquid waste and underscore DOE's commitment to complete the SRS Liquid Waste Program."

Construction and testing of the next unit, SDU 9, is slated for completion in fall 2024. SRMC is also in various stages of constructing the final SDUs needed at SRS — 10, 11, and 12.

The SDU 8 construction project was another job well done by the team, according to SRMC President and Program Manager Dave Olson.

"A construction project of such scale involves the skills and expertise of hundreds of hands and minds," Olson said. "I am proud of the SRMC team and everyone's commitment to furthering our mission through this important project."



Saltstone Disposal Unit 8 project team members stand in front of the newest mega-size disposal unit completed at the Savannah River Site.

Centerra Celebrates 40 Years Protecting Savannah River Site

Submitted by Centerra-SRS

Centerra, the Savannah River Site security contractor, is celebrating 40 continuous years of protecting SRS security interests. Centerra, formerly known as Wackenhut Services, Inc., has been providing security services at the 310-square-mile Department of Energy nuclear facility since 1983. Wackenhut, founded by former Federal Bureau of Investigation Special Agent George Wackenhut in 1954, was purchased by Centerra Group, LLC, in 2014.

Centerra, a Constellis company, is a leading international provider of Government solutions specializing in business processes in sectors where security and safety risks are considered a strategic threat. Centerra was recently awarded a new five-year contract at SRS. In addition to the five-year base period, the new contract includes both a three-year option and two-year option that could potentially extend the contract to a total of ten years.

“The Savannah River Site is an important National Security asset and we have been proud to protect Site operations, employees and missions for four decades,” said Paul Donahue, Chief Operating Officer for Constellis and Chief Executive Officer for Centerra. “We have been fortunate to have great employees, leadership and union partners that are committed to our mission. Congratulations on this important milestone and I thank each of you for your hard work and dedication.”

“We have a paramilitary organizational structure with a strict focus on safety and mission accomplishment,” said Mark Bolton, the Centerra -SRS General Manager, who was hired as a Security Inspector in 1983. “After a short transition period in 1983, the Company assumed command and control of Site security functions and has developed a reputation for excellence in the DOE complex.”

Over the past 40 years, the Company has enhanced security and operational capabilities to meet changing mission requirements. The SRS Aviation Program, managed by Centerra, supports the security mission, but also provides other important services, such as observing for wildfires that could endanger Site operations or employees, emergency medical evacuations, ecological programs, and aerial photography.

In recent years, another threat has emerged Nationwide with an increasing number of active shooter situations at public and Government facilities. Centerra has worked closely with DOE, the FBI, SRS Fire Department, the SRS Vulnerability Assessment Group and other Site organizations in developing a comprehensive SRS Active Shooter Plan to ensure a consolidated Site response to any potential active shooter situation. The plan involves a seamless integration of all Site resources, including security, fire, medical, and emergency management. This plan was successfully tested in Site evaluated exercises in 2017, and again earlier this year, to validate the Site’s capability to cohesively and effectively respond to a potential event of this type.

The Company has earned numerous awards for support for veterans, including the Employee Support of Guard and Reserve 5-Star Award, Pro Patria Award for being a top employer in South Carolina for National Guard and Reserve members, and the Veterans of Foreign Wars National Employer of the Year.

“We are proud of our strong history of supporting both active duty and reserve components of the military,” added Mr. Bolton. “Over 60% of the nearly 700-member workforce are military veterans and a substantial number continue to serve in the National Guard or Reserve.”

For over 40 years, Centerra has also recognized an obligation that extends into the surrounding cities, towns and communities of South Carolina and Georgia, contributing time, talent, expertise, and resources to charitable organizations. The Company places high value on employee involvement in activities that positively impact local communities and remains dedicated to community support. Centerra and employees have donated \$5 million to United Way charities in combined employee and Company contributions.

“The Company and our employees are committed to helping enhance the quality of life for residents, families and neighboring communities in our local communities,” said Mr. Bolton. “That will not change in the coming years.

As the Company moves forward, Centerra looks ahead to future challenges as Site missions continue to evolve in support of National security, environmental management, and energy needs.

“The last four decades have brought numerous changes to SRS missions, transitioning from a production mission to one now focused on storage and environmental management,” said Mr. Bolton. “However, the commitment of our employees to the important National Security mission has not wavered. They possess the skills, expertise and experience needed to meet any future challenges at the Savannah River Site.”



Paul Donahue (left), Chief Operating Officer for Constellis and Chief Executive Officer for Centerra Centerra-SRS, and Terry Ryan (right), Chief Executive Officer for Constellis, present a 40-Year Certificate of Recognition to Mark Bolton, Centerra-SRS General Manager, to commemorate the Company's four decades of providing security services at the Department of Energy's Savannah River Site.

Vogtle Unit 3 Goes Into Operation

Submitted by Southern Nuclear-Plant Vogtle

Georgia Power declared today that Plant Vogtle Unit 3 has entered commercial operation and is now serving customers and the State of Georgia. The new unit represents a long-term investment in the state's clean energy future and will provide reliable, emissions-free energy to customers for decades to come.

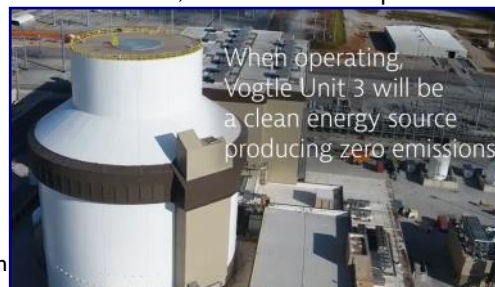
"The Plant Vogtle 3 & 4 nuclear expansion is another incredible example of how Georgia Power is building a reliable and resilient energy future for our state," said Kim Greene, chairman, president and CEO of Georgia Power. "It is important that we make these kinds of long-term investments and see them through so we can continue providing clean, safe, reliable and affordable energy to our 2.7 million customers. Today's achievement is a testament to our commitment to doing just that, and it marks the first day of the next 60 to 80 years that Vogtle Unit 3 will serve our customers with clean, reliable energy."

Vogtle Unit 3 is the first newly-constructed nuclear unit in the U.S. in over 30 years and can power an estimated 500,000 homes and businesses. Once all four units are online, the Plant Vogtle site will be the largest generator of clean energy in the nation and support continued growth in Georgia as more industries, businesses and families come to the state.

"Today is a historic day for the State of Georgia, Southern Company, and the entire energy sector, as we continue transforming the way we power the lives of millions of Americans," said Chris Womack, president and CEO of Southern Company. "With Unit 3 completed, and Unit 4 in the final stages of construction and testing, this project shows just how new nuclear can and will play a critical role in achieving a clean energy future for the United States. Bringing this unit safely into service is a credit to the hard work and dedication of our teams at Southern Company and the thousands of additional workers who have helped build that future at this site, as well as all of the partners who have helped make this day a reality."

Nuclear energy is the only zero-emission baseload energy source available today, offering high reliability, and efficient operations around the clock. Nuclear energy currently provides approximately 25% of Georgia Power's overall energy mix, including the existing units at Plant Vogtle and Georgia's other nuclear facility at Plant Hatch in Baxley, Ga.

"The Vogtle expansion is an American energy success story and would not be possible without the support of strong public and private partners like our partners at the North America's Building Trades Unions," said Tom Fanning, chairman of the Board of Directors for Southern Company. "We continue to appreciate their support and those who have stood with us at the local, state and federal levels to complete this new clean energy source to serve electric customers. Providing leadership in our industry and a commitment to safety and quality are in Southern Company's DNA. Today's milestone at the Vogtle expansion site underscores this legacy, and I couldn't be prouder of the dedication our teams have shown in seeing Unit 3 through to completion."



The final stages of construction and testing continue at Vogtle Unit 4, with the unit projected to be placed in service during the late fourth quarter 2023 or the first quarter of 2024. The unit completed hot functional testing in May, in significantly less time than Unit 3 as the team continues leveraging best practices and learnings from the earlier unit. The Vogtle site has also received nuclear fuel for Unit 4, with a total of 157 fuel assemblies necessary for the safe and reliable startup of the unit.

Also, last week, Georgia Power announced the receipt of the 103(g) finding from the Nuclear Regulatory Commission (NRC) for Vogtle Unit 4. This finding was confirmed in an official letter received by Southern Nuclear and signifies that the new unit has been constructed and will be operated in conformance with the Combined License and NRC regulations. No further NRC findings are necessary in order for Southern Nuclear to load fuel or begin the startup sequence for the new unit.

The new Vogtle units are an essential part of Georgia Power's commitment to delivering clean, safe, reliable and affordable energy to its 2.7 million customers. Southern Nuclear will operate the new units on behalf of the co-owners: Georgia Power, Oglethorpe Power, MEAG Power and Dalton Utilities.

Cautionary Note Regarding Forward-Looking Statements

Certain information contained in this release is forward-looking information based on current expectations and plans that involve risks and uncertainties. Forward-looking information includes, among other things, statements concerning the projected in-service date for Plant Vogtle Unit 3. Georgia Power cautions that there are certain factors that can cause actual results to differ materially from the forward-looking information that has been provided. The reader is cautioned not to put undue reliance on this forward-looking information, which is not a guarantee of future performance and is subject to a number of uncertainties and other factors, many of which are outside the control of Georgia Power; accordingly, there can be no assurance that such suggested results will be realized. The following factors, in addition to those discussed in Georgia Power's Annual Report on Form 10-K for the year ended December 31, 2022, and subsequent securities filings, could cause actual results to differ materially from management expectations as suggested by such forward-looking information: the potential effects of the continued COVID-19 pandemic; the ability to control costs and avoid cost and schedule overruns during the development, construction, and operation of facilities or other projects, including Plant Vogtle Units 3 and 4, which include components based on new technology that only within the last few years began initial operation in the global nuclear industry at this scale, due to current and/or future challenges which include, but are not limited to, changes in labor costs, availability and productivity, challenges with the management of contractors or vendors, subcontractor performance, adverse weather conditions, shortages, delays, increased costs, or inconsistent quality of equipment, materials, and labor, contractor or supplier delay, the impacts of inflation, delays due to judicial or regulatory action, nonperformance under construction, operating, or other agreements, operational readiness, including specialized operator training and required site safety programs, engineering or design problems or any remediation related thereto, design and other licensing-based compliance matters, including, for Plant Vogtle Unit 4, inspections and the timely submittal by Southern Nuclear of the Inspections, Tests, Analyses, and Acceptance Criteria documentation and the related investigations, reviews and approvals by the NRC necessary to support NRC authorization to load fuel, challenges with start-up activities, including major equipment failure, or system integration, and/or operational performance, continued challenges related to the COVID-19 pandemic or future pandemic health events, continued public and policymaker support for projects, environmental and geological conditions, delays or increased costs to interconnect facilities to transmission grids, and increased financing costs as a result of changes in market interest rates or as a result of project delays; the ability to overcome or mitigate the current challenges at Plant Vogtle Units 3 and 4 that could further impact the cost and schedule for the project; legal proceedings and regulatory approvals and actions related to construction projects, such as Plant Vogtle Units 3 and 4, including Public Service Commission approvals and NRC actions; under certain specified circumstances, a decision by holders of more than 10% of the ownership interests of Plant Vogtle Units 3 and 4 not to proceed with construction; the notice of tender by Oglethorpe Power Corporation and the City of Dalton of a portion of their ownership interests in Plant Vogtle Units 3 and 4 to Georgia Power, including related litigation; the ability to construct facilities in accordance with the requirements of permits and licenses (including satisfaction of NRC requirements), to satisfy any environmental performance standards and the requirements of tax credits and other incentives, and to integrate facilities into the Southern Company system upon completion of construction; the inherent risks involved in operating and constructing nuclear generating facilities; the ability of counterparties of Georgia Power to make payments as and when due and to perform as required; the direct or indirect effect on Georgia Power's business resulting from cyber intrusion or physical attack and the threat of cyber and physical attacks; catastrophic events such as fires, earthquakes, explosions, floods, tornadoes, hurricanes and other storms, droughts, pandemic health events, political unrest, wars or other similar occurrences; and the direct or indirect effects on Georgia Power's business resulting from incidents affecting the U.S. electric grid or operation of generating or storage resources. Georgia Power expressly disclaims any obligation to update any forward-looking information.

Thank You Business Members!

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Lyddie Hansen	Sharon Rickman	Virginia Wolfe
	Wayne Rickman	

About CNTA

Mission

CNTA serves to educate the public by providing objective information on the value of nuclear technology with respect to our health, economy, environment, and national security.

Vision

CNTA will become the recognized avenue for the collective engagement of its members in increasing the awareness and support of nuclear technology and its benefits to the public.

Value

Through inclusiveness and engagement, CNTA and its volunteers create a voice to provide the public with factual, objective information on nuclear subjects, while also providing opportunities for its members' personal and professional growth.

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MEMBERSHIP INFORMATION

BUSINESS MEMBERSHIP OPTIONS

Diamond: \$25,000 or more
Platinum: \$10,000—\$24,999
Gold: \$5,000—\$9,999
Silver: \$2,500—\$4,999
Bronze: \$1,000—\$2,4999
Business Member: \$500 to \$999

INDIVIDUAL MEMBERSHIP OPTIONS

Member Plus: \$250.00 or more
Benefactor: \$125.00
Patron: \$70.00
Sustaining: \$35.00
Young Professional : Free for 1 year, and free renewals until age 40.

Membership Information is available online at:
<http://cntaware.org/join-us/>

All membership levels include invitations to breakfasts/dinners, other events, quarterly newsletters and opinion letters/editorials. Benefactor and Member Plus also receive one free private reception ticket and one free Teller Lecture banquet ticket when dues are current.

YOUR DUES SUPPORT PUBLIC OUTREACH
 Federal ID# 57-0953103

HOW YOU CAN HELP

As a charitable, non-profit organization, CNTA can ALWAYS use help.

Opportunities include:

- Donate Items for Raffles/Auctions
 - Donate to Our Community Gift Card Program!
 - Donate to CNTA as a charitable non-profit (<https://cntaware.org/about-us/>)
- Volunteer your time
 - Get involved with a CNTA Committee (*committee information on page 7*)
 - Help the CNTA Education Committee brainstorm innovative ways to teach children about nuclear
 - Help CNTA expand their reach on social media
 - Volunteer to help in our Office (there is always work to be done there!)
 - Be an event-specific volunteer. We need volunteers for SEED & The Fall Fission Festival!
 - Be an education committee contest judge or outreach volunteer
- Sponsor a 2024 Event or Education Outreach!

For information, email us at office@cntaware.org

CNTA CALENDAR OF EVENTS

- **September 23, 2023-** Science Education Enrichment Day STEM Festival (SEED) at USCA. CNTA will have a booth and our outreach educational materials.
- **October 3, 2023-** Up & Atom “SRNL Research SLAM Encore Presentation.” 7:30am at Newberry Hall in Aiken SC.
- **October 7, 2023-** 5th Annual Oyster Roast & Low Country Boil (Young Professionals Fundraiser). 6:30-9pm. Palmetto Golf Club in Aiken SC.
- **October 16-20- Nuclear Science Week!** Details on local events will be available at: <http://www.celebratensw.org/>
- **October 21, 2023-** Fall Fission Festival from 1-4pm. The Mill Parking Lot (by SRS Museum downtown Aiken). CNTA will have a table with candy and fun for the kids!
- **October 24, 2023-** 32nd Annual Teller Lecture. The Honorable Joyce Connery, Chair of the Defense Nuclear Facilities Safety Board (DNFSB) to Keynote. 6:30pm at the Amentum Center for Performing Arts in Aiken SC.
- **October 31, 2023-** Up & Atom featuring Dennis Carr, President & CEO of SRNS. Sponsored by SRNS. 7:30am at Newberry Hall in Aiken SC.
- **December 14, 2023-** “CNTA’s Night of Giving Back.” Details TBA.
- **March 21, 2024-** Membership Appreciation Night. 6-8pm at Newberry Hall in Aiken SC.
- **May 10, 2024-** 22nd Annual CNTA Charity Golf Tournament at Houndslake Country Club.

More information on CNTA Events & Activities can be found on our website’s events page: <https://cntaware.org/events/>

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