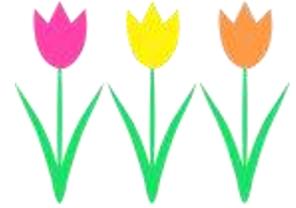




CNTA Aware



Spring 2019

Points of Interest:

- ATC scholarship Awarded
- Lifelong Learning Classes
- Advocacy Updates
- Community Engagement Events
- 2019 Essay Contest Winners Announced
- Educator Grants Program Launched
- CNTA Up & Atoms
- Tap Into Nuclear Updates
- Fall Young Professionals Event
- Welcome Our New Board Members
- **2019 Members' Mixer** Highlights Growth
- RPD Keeps Workers Safe
- CNTA Committee Descriptions
- First Batch Completed in Waste Removal Pilot Project
- Beasley Elected 2019 Fellow
- SRNS Partners with Ft. Gordon
- Centerra Employee Honored
- Historic Day at Plant Vogtle
- CNTA Business Members
- Mission of CNTA
- CNTA Calendar of Events

Update from our Executive Director

CNTA has had a busy start to 2019. We completed a Lifelong Learning class at USC Aiken describing the exciting activities being conducted at SRNL in support of our nation. The attendees provided rave reviews of the class! Thanks to Katie Heroux, Joe Odum, Maria Kriz, Tara Smith, Scott McWhorter and Matt Howard for their excellent lectures. Thanks also to our Education Chair, Marissa Reigel, for organizing the class.

We received a number of great essays from area students and selected three scholarship winners. **The scholarships will be awarded at each student's award nights and we hope to also recognize the students at an Up and Atom breakfast.** We are currently evaluating submissions for our Educator Grant Program. This new initiative is replacing the Southeastern Summer Nuclear Institute this year and is targeted at providing high school teachers with funds to enhance classroom teaching with hands-on activities and experiments.

We are also actively planning the golf tournament scheduled for May 10. This is one of our major fundraisers and we always appreciate the support of our members as players, volunteers, and donors of the great raffle prizes. I look forward to seeing a lot of folks out there!

If you haven't checked it out, please look for our increased presence online and on social media. Our new website (CNTAaware.org) is up and running and we are posting routinely on Facebook and Twitter. Follow us at @CNTAaware!

As always, if you have any suggestions or would like to chat, please feel free to contact us or stop by.

Jim

Update from our Board of Directors

Members, especially members who are able to volunteer, are the lifeblood of all non-profit organizations. They shape the strategy, ensure continuity and make things happen. CNTA is privileged to have a very loyal membership and a committed Board of Directors. We know that all of you have a passion for supporting nuclear science and technology education for all audiences.

Thank you for all that you do to support CNTA.

You will, however, sometimes find that we ask for more of your precious time and energy, particularly when we have a specific need for additional help and ideas. We invite you to review the list of major committees on page 9 of this Newsletter and identify one aligned with your personal interests. We are especially seeking more participation on the Membership Committee. Faced with spanning several generations within our membership, this committee is tasked with implementing **goals from the Strategic Plan and ensuring that CNTA meets everyone's "what's in it for me"** expectations. Each of you has a vested interest in this outcome!

Please email or call the office if you can help.

Susan Wood, Board Chair

Education Committee Updates

Aiken Technical College Scholarship Awarded

The 2019 recipient of the ATC CNTA Scholarship is Ms. Jessica Busch. Jessica is enrolled in the Radiation Protection Program and is a resident of North Augusta, South Carolina. She will be graduating in May with her Associate of Science Degree, Major in Radiation Protection.

This annual scholarship is awarded to a second year student in ATC's Radiation Protection Technology Program. To be considered, a student must be nominated by a faculty member.

The program is part of Aiken Technical College's involvement with the Workforce Opportunities in Regional Careers grant. The goal of which is to "provide area residents with the skills most needed by the U.S. Department of Energy."



Future City Competition

CNTA was a Platinum Sponsor of the annual competition held at USC-Aiken on January 26, 2019.

Each year CNTA sponsors a "Special Award" focusing on "Best Use of Nuclear Technology."

6 volunteers from CNTA judged for this special award, and it was presented to Westview **Middle School, Nalavilyn. This group's city included a 'fusion' reactor!**

Teams were given a handout that included ideas for how to incorporate nuclear into their cities. This included brief information on Nuclear Power, Nuclear in Health Care, Nuclear for Food Supply, and Nuclear in our Lives.

Lifelong Learning Class at USCA

As part of our continued commitment to educate the public on all things nuclear, CNTA oversaw the **organization of a Lifelong Learning class at USCA dedicated to the role of SRNL. The class "SRNL: Protecting Our Nation and World" was held in February and was well received by attendees. Each class had over 30 people present, and they represented a mix of retirees from SRS and community members, some of whom knew little or nothing about what occurs at the Savannah River Site.**



The three-week course focused on how Savannah River National Laboratory (SRNL) protects our nation and the world by applying science. Researchers from the lab shared how they solve the most challenging environmental and security problems in the areas of Nuclear Material Threat Reduction, National Security, and Energy Security.

This outreach could not have been possible without the support of the Savannah River National Laboratory staff and volunteers who taught the courses.

Many thanks to the volunteer instructors:

Katie Heroux, Matt Howard, Maria Kriz, Scott McWhorter, Joe Odum, & Tara Smith.

If you missed this year's class, CNTA plans to organize another one next winter. Keep a look out for the announcement!



Advocacy/ Public Outreach Activities

In 2019, our advocacy and education outreach has been busy. Some highlights include:

- Met with Aiken Board of Realty members three times. Are planning a one-day educational program for local realtors
- Met with state and national representatives and their staffs.
- Have written opinion pieces about the importance of the Advanced Manufacturing Collaborative project, the potential for Plutonium Pit Production at SRS etc.
- Interviewed by local news outlets as the unbiased expert several times.

We also launched the new CNTA website. Mobile and Tablet friendly, this portal to all CNTA does was brought into the smartphone era. Check it out and update your bookmarks! Let us know if you have suggestions.

www.cntaware.org

STEAM Fest

CNTA was asked to participate in the annual STEAM Fest at Guinyard -Butler Middle School in Barnwell on March 21st. CNTA volunteers modified the nuclear blitz presentation and focused on small group projects using radiation detectors to measure the radioactivity of various objects.

Students were introduced to the concept that radiation is naturally occurring, not something to be scared of, the idea of shielding, the importance of distance and time in radiation measurements, and why groups would have different measurements given the same equipment.



Other Community Engagement:

- Aiken Earth Day
- Williston DIG STEM Festival
- ATC Sustainability Expo
- SRS Retirees Annual Meeting



2019 Essay Contest Winners Announced

Three area high school seniors each earned a \$1,000 cash prize in the 2019 Citizens for Nuclear Technology Awareness (CNTA) High School Essay Contest.

The winners of the 13th annual writing contest are:



Shelby Coleman, South Aiken High School, "How the Field of Medicine Benefits from Nuclear Technology."



Zaenab Sanadiki, Greenbrier High School, "The Contributions of Nuclear Energy to the Betterment of Earth."



Charlton Hill, Aiken High School, "Modern Uses of Nuclear Technology in Medicine."

In addition to the \$1,000 prize, the winners' schools each received \$500 for classroom supplies and equipment. The teachers awarded include Laura Hendrick (AP Biology) at South Aiken High School, Lesley Yarnell (Environmental Science) at Greenbrier High School, and Brian Spensley (Chemistry/Physics) at Aiken High School.

Jim Marra, CNTA Executive Director, said the quality of this year's nuclear-themed essays was promising. "The submissions to this year's contest demonstrated that the students are knowledgeable, passionate, and astute about nuclear technology," said Marra. "It's a growing industry, not only in our area, but worldwide. I'm hopeful that this will provide a spark to the students to pursue a career in the nuclear field."

Each student picked one of three topics for this year's contest: the application of nuclear science and technology in modern medicine; nuclear career opportunities; or, sustainability and the future of nuclear energy.

The contest was open to high school juniors and seniors in Aiken, Allendale and Barnwell counties in South Carolina and Burke, Columbia and Richmond counties in Georgia; homeschool students; and students of CNTA member families.

The winners, their families, and a teacher of the winner's choice will be honored at the upcoming Teller Lecture and Banquet tentatively scheduled for October 16, 2019 during Nuclear Science Week.

The winning essays are available at: <https://cntaware.org/high-school-essay-contest/>

The 2020 Essay Contest topics will be announced in October. If you have a high school student keep an eye out!

Educator Grants Program

Citizens for Nuclear Technology Awareness Announces 2019 Educator Grants Program

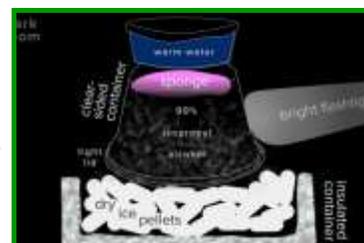
Citizens for Nuclear Technology Awareness (CNTA) is offering science-related grants of up to \$500 for local high school teachers.

The grants can be used to fund a project in any area of science or technology that promotes an increased understanding of atomic and nuclear fundamentals, radiation and nuclear materials safety, and applications of nuclear technology.

High schools in the South Carolina counties of Aiken, Allendale, Bamberg, Barnwell, Edgefield, and Orangeburg; and in the Georgia counties of Columbia, Richmond, and Burke are invited to submit proposals. Teachers who are members of CNTA are also eligible to apply regardless of school location.

In 2019, CNTA wants to partner with area educators to provide innovative instruction to high school students on principles of radiation, fundamentals of radioactive materials and applications of nuclear technologies. CNTA is establishing this educator grants program to facilitate this educational outreach, said Dr. Jim Marra, CNTA Executive Director.

“We live in a radioactive world,” Marra said. “We use nuclear science and technology to power our homes, diagnose and treat serious health issues, make our food supplies safe and high yielding, and make our world better. However, the general public lacks understanding of the concepts of radiation and nuclear materials, how we can deal with them safely, and how important they are to our lives.”



Grant proposal packages have been emailed to high school principals. Applications can be completed by one teacher or a group of teachers. Proposals can be submitted for grants in any amount up to \$500.



Teachers are encouraged to work with their colleagues on a cooperative project. Proposals are encouraged to leverage and make use of existing resources, such as kits that are available at the Ruth Patrick Science Education Center.

The applications will be evaluated under criteria that includes identification and demonstration of learning objectives/curriculum concepts that will be enhanced by this grant, as well as how students will be involved and how many will be impacted.

THANK YOU TO OUR SPONSORS! This grant program would not be possible without our Education Outreach Partners—Huntington Ingalls Industries, Savannah River National Laboratory, SRS-Community Reuse Organization, and two donations from individuals who choose to remain anonymous contributed to this program in 2019.

Winners will be announced soon. A reception in their honor will be held at the SRS Heritage Museum at a future date.

Event Speakers



January 17, 2019– Joint ANS/CNTA Dinner.
Speaker– Dr. John Kelly

January 23, 2019– Up & Atom Presented by Jacobs.
Speaker- Gus Tomé

February 20, 2019– Up & Atom.
Speaker- Nicole Nelson Jean

Up & Atom Breakfast speakers are currently scheduled for May, June, July, August & September 2019. Details on the Calendar of Events and the CNTA website. Make sure to mark them on your Calendar!



Young Professionals Committee

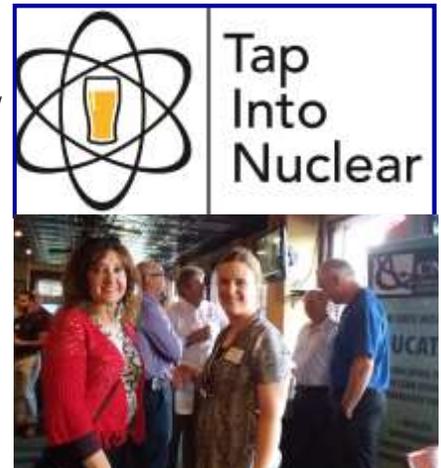
Tap Into Nuclear

Tap into Nuclear kicked off 2019 with a mixer at Aiken Brewing Company on February 28th.

The topic for the April 25th event was “How to get noticed in the workplace (for the right! reasons)”. A good time was had by all, and many thanks to our panelists (Mike Lewczyk, Keith Harp, & Sean Lynch) for sharing their experience!

The next Tap Into Nuclear is being Co-hosted with WIN on June 27th at the Red Pepper.

These events are a great opportunity to network with like-minded individuals and get career advice from local experts!



Fall Young Professional Fundraising Event

The young professionals fundraising subcommittee is hard at work organizing this year’s fall event. To replace the Costume Ball, this year they are planning to host an “Oyster Roast & Low Country Boil” at Palmetto Golf Club on October 5th. This event will include live music!



While the committee is still planning (including looking for a catchy name for the event), we could always use your support. If interested in volunteering for the committee, interested in sponsoring the event, or want to donate towards the raffle please contact the Young Professionals Committee Co-Chairs Matt McCoy (matthew.McCoy@srs.gov) or Sunny Lunka (sunny.lunka@srs.gov).

Tickets will be on sale for the event through our website later this year.

CNTA Welcomes New Board Members

Dr. James Marra, the Executive Director of Citizens for Nuclear Technology Awareness (CNTA), is pleased to announce the election of new board members for 2019-2020.



Dr. Jeffrey S. Allender is an Advisory Scientist and Program Manager at Savannah River National Laboratory. He joined the lab in 1978 to perform research on radioactive waste disposal during the planning and implementation of the Defense Waste Processing Facility and was technical coordinator for the evaluation of geologic repositories for long-term disposal. He developed technologies for reactor fuel fabrication and recycling and plutonium immobilization. Dr. Allender's most recent focus is on materials management across the Department of Energy complex and on implementing the disposition of surplus plutonium. He earned a B.S. in Physics from Davidson College and Ph.D. from Cornell.



Karl G. Lutterloh is Vice President and Trust Officer at Security Federal Bank. He is a graduate of the University of South Carolina School of Law and holds a Master of Laws in Taxation from the University of Florida. Before joining Security Federal Trust, Karl practiced taxation, trust, probate and estate planning. He is an active member of the South Carolina, Aiken and Richland County bars as well as the Aiken Young Professionals.



Matthew McCoy is an Engineer with Savannah River Remediation, supporting the Saltstone Project at the Savannah River Site. He is a former Nuclear Submarine Officer and Lead Project Manager with experience in nuclear power plant operations and management. He is a graduate of the U.S. Naval Academy.

CNTA also thanks non-returning board members Wayne Rickman, Rick Sprague, Josh Booth, Mike Zustra, and Lauryn Jamison for their dedicated support and contributions over the last several years.

Check out our entire Board of Directors at: <https://cntaware.org/board-of-directors/>

Members' Mixer 2019/ Membership Appreciation Night

CNTA Highlights 2018 Growth, Change at Annual Member Meeting

Citizens for Nuclear Technology Awareness (CNTA), the area's non-profit organization for nuclear education, recently held its membership appreciation night and annual meeting.

Sponsored by Bechtel at Newberry Hall in Aiken, the event highlighted the exciting progress CNTA made in 2018. Some of the accomplishments included:

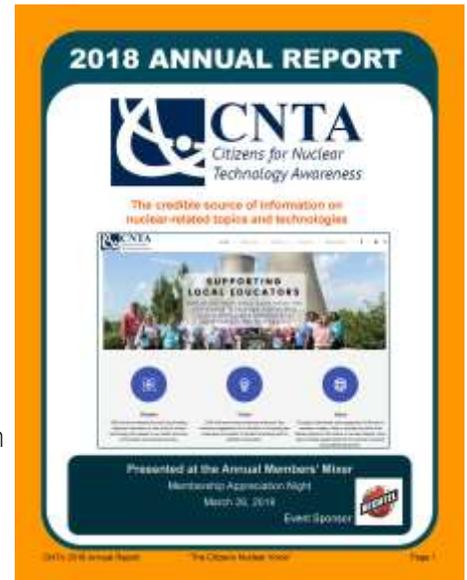
- Reaching 1,200 students across 63 classrooms in seven high schools through the Nuclear Blitz program;
- Reaching 30,000 households by publishing the Nuclear Science Week insert in the *Aiken Standard*;
- Awarding more than \$10,000 in scholarships;
- Hosting more than 250 attendees at the 27th Annual Teller Lecture & Banquet;
- Publishing four editorial pieces and 20 news releases; and
- Providing five media interviews on topics related to Savannah River Site support.

In 2018, CNTA launched a new-and-improved website and gained a stronger and larger social media footprint, according to Executive Director Jim Marra.

“We exceeded a specific goal for last year, and that was to increase our online presence,” Marra said. **“CNTA exists to provide an objective voice on all things nuclear, and with the help of our new Young Professional Committee and communications intern, we have been able to reach even more people through our website and social media platforms.”**

CNTA has better promoted the organization to young professionals by offering free membership to people under 40 years old and creating a committee for those under 40. CNTA now has more than 150 young-professional members, nearly double from 2017 membership. In 2018, the Young Professionals Committee **launched a new professional development series, “Tap Into Nuclear.” More than 100 people across five events attended Tap Into Nuclear at the Aiken Brewing Company.**

Long-standing CNTA programs like Up & Atom Breakfasts, the annual golf tournament, Southeastern Summer Nuclear Institute, and the scholarship essay contest also saw continued success in 2018.



Careful work, planning, keeps workers safe during liquid HEU campaign at SRS

Submitted by: Savannah River Nuclear Solutions

Through careful, deliberate work, planning and continuous monitoring, the Radiological Protection Department (RPD) at the Savannah River Site (SRS) is ensuring the safety of workers involved in the Target Residue Material (TRM) liquid highly enriched uranium campaign.

“The TRM poses a significant challenge to the team in designing the processes for safely handling the material, which is shipped in individual stainless-steel containers,” said H Area RPD Facility Manager Johnny Lott. “These containers have significant dose and contamination rates and need to be handled with extra care to ensure the safety of the workers. Our department worked closely with the Savannah River National Laboratory and the Design Engineering department to devise ways to limit personnel exposure to the containers and provide real-time monitoring when workers did have to interact with the containers.”



Radiological Protection Inspector Wanda Patterson gathering information before beginning a radiological survey.

One of the most successful methods for limiting personnel exposure is using wireless computer tablets as remote controls, allowing the operators to be removed from the higher dose rate areas. Another method was performing pre- and post-job reviews to offer a chance for employees to provide suggestions on how to improve the process. One such suggestion was to place the electronic personnel dosimeter on an extended tool, allowing the RPD to qualify dose rates without being in the radiation field. Lastly, RPD applied real-time monitoring to ensure that when workers do have to interact with the containers, their exposure is kept within acceptable levels.

“Because of the team’s commitment to safety, we are seeing significantly less of a dose for our workers than we had anticipated,” said Wyatt Clark, Vice President of EM Operations for Savannah River Nuclear Solutions, SRS’s managing and operating contractor. “Safety is at the forefront of all we do at SRS, and I congratulate the team on doing what it takes to make this operation as safe for our workers as possible.”

CNTA Committee Descriptions

CNTA is always in need of volunteers. Whether it be a few hours to help judge the essay contest, or being on a standing committee—there is a spot where you can be involved!

Our major committees’ descriptions are below.

More information is available online at: <https://cntaware.org/committees/>

Communications Committee

Description: 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

Description: 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

Description: 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.

Membership Committee

Description: The Membership Committee aims to create innovative initiatives to provide and promote value to members, retain current membership, and attract new members.

Savannah River Site Completes First Batch in Waste Removal Pilot Project

Submitted by: Savannah River Remediation

AIKEN, S.C. (March 27, 2019) – The first batch of processed radioactive liquid waste using a new technology at the Savannah River Site (SRS) is complete.

Savannah River Remediation (SRR), the SRS liquid waste contractor, launched Tank Closure Cesium Removal (TCCR) operations in January, and finished processing the first batch of salt waste through TCCR last month.

Workers processed the beginning batch, about 152,000 gallons of dissolved salt waste, at a rate of five gallons per minute. It was the first of several batches expected to be processed — 600,000 to 750,000 gallons total — over a 9-month operating period.

TCCR is a demonstration project designed to accelerate removal of radioactive salt waste from the SRS underground waste tanks to support tank closure.

The recent TCCR batch process included transferring salt waste from Tank 10 into the TCCR processing module. Once inside the remotely operated module, the waste went through pre-filters and multiple ion exchange columns, where it was treated with an engineered resin to remove the cesium, a radioactive chemical element.



The Tank Closure Cesium Removal module is located at tanks 10 and 11 in the Savannah River Site's H Tank Farm.

Successfully completing the first batch in TCCR operations means the Department of Energy-Environmental Management (DOE-EM) is well on the way to achieving desired results of this pilot project, according to Jim Folk, DOE-Savannah River assistant manager for waste disposition.

“Our goal with Tank Closure Cesium Removal is to decontaminate salt waste safely and as efficiently as we can,” Folk said. “We’re pleased with how initial operations are going and look forward to continuing this performance throughout the coming months.”

SRR Chief Operating Officer and Deputy Project Manager Mark Schmitz said the TCCR equipment is performing as designed.

“TCCR operated very well in this first system test,” Schmitz said. “The team continues to work effectively to decontaminate the salt solution from Tank 10 while maintaining a rigorous, disciplined operation.”

Preparations to begin the second batch are underway, including adding water to the tank to begin dissolving the saltcake in the waste.

Ecological Society of America elects Beasley 2019 Fellow

Submitted by: Savannah River Ecology Laboratory



Aiken, S.C. – **James C Beasley**, associate professor at the University of Georgia's Savannah River Ecology Laboratory and the Warnell School of Forestry and Natural Resources, has been named an Ecological Society of America Early Career Fellow for 2019. He is one of eight recently selected for the honor.

According to ESA's recent press release announcing the honor, Beasley was elected for outstanding contributions internationally in the field of applied ecology through his research in invasive species ecology, carnivore ecology, scavenging ecology and wildlife population ecology in landscapes abandoned following nuclear accidents.

ESA also states the honor is given to members who within eight years of completing doctoral training have advanced ecological knowledge and applications and show promise of continuing to make outstanding contribution to a wide range of fields served by ESA. Individuals are elected to serve for five years.

Beasley received a doctoral degree in wildlife ecology from Purdue University. Prior to coming to UGA, he was **a visiting assistant professor at Purdue. In 2018, he was chosen as the UGA's Fred C Davison Early Career Scholar.**

ESA established its fellows program in 2012 with the goal of honoring its members and supporting their competitiveness and advancement to leadership positions in the Society, at their institutions and in broader society. Additional information about ESA Fellows and Early Career Fellows can be found on the ESA Fellows page.

SRNS Partners with Ft. Gordon to Extend Job Shadowing Program

Submitted by: Savannah River Nuclear Solutions

Savannah River Nuclear Solutions (SRNS) is partnering with Ft. Gordon to extend its current job shadowing program on site, to provide career advancement opportunities for veterans, military families and transitioning service members.

The Ft. Gordon job shadowing program will give qualifying U.S. Army personnel an opportunity to gain hands-on experience while rotating **through various organizations across the Site. Each soldier's 90-day shadowing experience will include rotation opportunities shadowing Safety Engineers and Industrial Hygienists that support Site Maintenance, Construction, Subcontractor Safety, and facilities such as F Area and Solid Waste.**

Not only will the program provide career-building experiences, but participants will also receive one-on-one resume writing and interview -prep skill courses to prepare for future job opportunities.

"The Site has an interest in obtaining more individuals who have an established background in safety and leadership training, making the military population prime candidates," said SRNS President and CEO Stuart MacVean. "Veterans have a proven desire to make the world safer, so our mission also aligns with their values."

The job shadowing program is the first step toward a larger initiative to increase veteran employment at SRNS. The Site has an interest in hiring individuals with a background in safety and leadership training, making the veteran population prime candidates.



Stuart MacVean, SRNS President and CEO and Col. Jim Clifford, Ft. Gordon Garrison Commander signed a Memorandum of Understanding on March 11 that will allow service members to job shadow at SRS within the SRNS Health and Safety division.

Centerra Employee Honored for Excellence in Aircraft Maintenance

Submitted by: Centerra-SRS

The two DOE helicopters maintained and operated by Centerra at the Department of Energy's 310-square-mile Savannah River Site (SRS) add an important element to the Company's paramilitary capabilities in protecting the vast industrial complex. The Site is responsible for disposition of nuclear materials, waste management, environmental cleanup, energy and ecological research, and environmental stewardship. The critical nature of the Centerra-SRS mission and the support provided by the Aviation Program demand that the helicopters be maintained in strict compliance with Federal Aviation Administration (FAA), Government and corporate standards and policies.

James Williams, the Company's Chief of Aircraft Maintenance at SRS, is one of the best in the field and in March, he was presented the 2018 Constellis Excellence Award. He was one of only nine recipients of the prestigious award, selected from over 22,000 Constellis employees worldwide.

In announcing the awardees, Tim Reardon, Chief Executive Officer, said their **"dedication to the Company and hard work was exhibited in their stellar performance; going above and beyond the core competencies of their job duties; and supporting Constellis' vision, mission, values, goals and objectives."**

James has overall responsibility for leading the team that maintains the two Airbus BK-117 helicopters and ensures all scheduled and unscheduled maintenance along with sheet metal and electrical repairs are completed in a timely manner and in accordance with FAA, DOE and Company regulations, standards, policies and procedures.

The primary aviation function is a paramilitary role in support of the security mission, but the helicopters also provide other important services, including aerial surveillance of Site property and facilities, emergency medical evacuations, woodland fire detection and suppression, ecological support, photography and mapping, and support for the DOE Radiological Assistance Program.

"The success we have had in meeting our contractual obligations related to helicopter operations would not have been possible without the strong leadership that James provides for our Aircraft Maintenance Program," said Mark Bolton, Centerra-SRS General Manager. "He does an outstanding job ensuring the helicopters are maintained with a strict focus on safety and efficient operation, and I am extremely pleased to see him honored with this award."

James and his team designed and fabricated multiple items at significant cost savings to the Government, including a digital trickle charger for the heliporter battery which prevents overcharging and premature replacement, carbon fiber platform to retain and secure radiological test equipment, removable door lock to secure cockpit and cabin doors, apparatus to test communication systems and pinpoint location of issues, platform to accommodate helicopter ground handling wheels secured in the cargo department, and a portable remote FLIR monitor that allows Special Response Team members to view what pilots are seeing during mission operations.

The aircraft maintenance team has the skills and expertise to complete specific modifications and inspections in-house, resulting in significant cost-savings to the client and minimizing down time for the helicopters.

Due to operational excellence and adherence to FAA standards, the Centerra-SRS Aviation Program earned and maintains the Part 133 (Bambi Bucket), Part 135 (Air Carrier), and Part 137 (Agriculture) Certificates. These certificates have separate and demanding maintenance requirements, and James ensures the Aviation Program remains in compliance.

James has a history of performance excellence in the Aviation field. In 2013, 2010, and 2005, he received the Department of Energy's **John Cooley Aviation Operations/Support Professional Memorial Award presented by the Office of Aviation Management**. James also received the General Services Administration Federal Aviation Professional Award in 2013, 2005 and 2004.

Centerra has been protecting the Site's nuclear materials, facilities, operations and employees since 1983.



Mark Bolton, Centerra-SRS General Manager, congratulates James Williams, Chief of Aircraft Maintenance, for receiving the Constellis Excellence Award

Historic Day at Plant Vogtle 3 & 4 Construction Site

Submitted by: Southern Nuclear Company Vogtle Communications

Friday, March 22, was a big day for Plant Vogtle 3 & 4. For one, U.S. Energy Secretary Rick Perry was on site to visit with employees and to announce approximately \$1.67 billion in additional Department of Energy (DOE) loan guarantees for the new Vogtle units, the first to be built in the United States in more than 30 years.

It was also a day that Vogtle personnel placed the top on the Unit 3 containment vessel, signifying that all modules and large components have been placed inside the unit. The containment vessel houses the unit's reactor vessel and associated equipment. The setting of Unit 3's top head is a significant accomplishment for the project and allows progress to continue inside of containment without weather impacts, and for a large number of systems to be tested and turned over in 2019.

"The Vogtle project is critically important to supporting the administration's direction to revitalize and expand the U.S. nuclear industry," said Secretary Perry. "A strong nuclear industry supports a reliable and resilient grid and strengthens our energy and national security. As I've witnessed firsthand today, Vogtle is also an energy infrastructure project with a massive scope employing thousands of workers. This project is rebuilding a highly skilled U.S. nuclear workforce and supply chain for the future."

In addition to the U.S. Department of Energy's Secretary Perry, the following leaders spoke during this monumental event:

- Georgia Governor Brian Kemp
- U.S. Agriculture Secretary (and former Georgia Governor) Sonny Perdue
- North America's Building Trades Unions President Sean McGarvey
- Southern Company Chairman, President and CEO Tom Fanning
- Georgia Power Chairman, President and CEO Paul Bowers



The containment vessel is a high-integrity steel structure that houses critical plant components. The top head is 130 feet in diameter, 37 feet tall, and weighs nearly 1.5 million pounds, more than two fully loaded jumbo jets. It's comprised of 58 large plates, welded together, each more than an inch and a half thick.

"We have made significant progress since taking over construction at the site and expect that momentum to continue this year," said Bowers. "We thank the administration, DOE, Secretary Rick Perry and members of Congress for their continued support of the Vogtle 3 & 4 project."

"The progress we are marking today is a direct result of the tremendous support the project has received," said Fanning. "From the very beginning, public and private partners have stood with us as we endeavor to build the first new nuclear development in the U.S. in a generation. Everyone involved in the project remains focused on sustaining our momentum and is poised to execute on the important work to come in the days ahead."

Also in attendance were Georgia Public Service Commissioners Lauren "Bubba" McDonald, Tim Echols, Chuck Eaton, Tricia Pridemore and Jason Shaw, along with U.S. Representatives Rick Allen and Buddy Carter, and Vogtle 3 & 4 co-owners: Oglethorpe Power President and CEO Mike Smith, MEAG Power President and CEO Jim Fuller and Dalton Utilities CEO Tom Bundros.

"Thank you for your continued dedication to completing such a significant project," Fanning expressed to the hundreds of workers at the event. "This is nationally and internationally important to our industry and you all get to be a part of this

With more than 7,000 workers currently on the construction site and more than 800 permanent jobs available once the units begin operating, Vogtle 3 & 4 is currently the largest jobs-producing construction project in the state of Georgia.

Cautionary Note Regarding Forward-Looking Statements

Certain information contained in this communication is forward-looking information based on current expectations and plans that involve risks and uncertainties. Forward-looking information includes, among other things, statements concerning expected construction progress at Plant Vogtle Units 3 and 4 and the expected benefit of the additional DOE loan guarantees. Georgia Power cautions that there are certain factors that could 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, 2018, and subsequent securities filings, could cause actual results to differ materially from management expectations as suggested by such forward-looking information: the impact of recent and future federal and state regulatory changes, as well as changes in application of existing laws and regulations; current and future litigation or regulatory investigations, proceedings, or inquiries; available sources and costs of natural gas and other fuels; effects of inflation; the ability to control costs and avoid cost and schedule overruns during the development, construction and operation of facilities, including Plant Vogtle Units 3 and 4 which includes components based on new technology that only recently began initial operation in the global nuclear industry at this scale, including changes in labor costs, availability, and productivity; challenges with management of contractors, subcontractors, or vendors; adverse weather conditions; shortages, increased costs, or inconsistent quality of equipment, materials, and labor; contractor or supplier delay; non-performance under construction, operating, or other agreements; operational readiness, including specialized operator training and required site safety programs; engineering or design problems; design and other licensing-based compliance matters, including the timely resolution of inspections, Tests, Analyses, and Acceptance Criteria and the related approvals by the U.S. Nuclear Regulatory Commission (NRC); challenges with start-up activities, including major equipment failure and system integration; and/or operational performance; 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; advances in technology; state and federal rate regulations and the impact of pending and future rate cases and negotiations; legal proceedings and regulatory approvals and actions related to Plant Vogtle Units 3 and 4, including Georgia 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 and the ability of other co-owners to tender a portion of their ownership interests to Georgia Power following certain construction cost increases; in the event Georgia Power becomes obligated to provide funding to Municipal Electric Authority of Georgia (MEAG) with respect to the portion of MEAG's ownership interest in Plant Vogtle Units 3 and 4 involving Jacksonville Electric Authority, any inability of Georgia Power to receive repayment of such funding; the inherent risks involved in operating and constructing nuclear generating facilities; interest rate fluctuations and financial market conditions and the results of financing efforts; changes in The Southern Company's or Georgia Power's credit ratings; and the effect of accounting pronouncements issued periodically by standard setting bodies. Georgia Power expressly disclaims any obligation to update any forward-looking information.

Thank You Business Members!

PLATINUM

SAVANNAH RIVER NUCLEAR SOLUTIONS
SAVANNAH RIVER REMEDIATION

GOLD

ARTHUR RICH
CB&I AREVA MOX
CENTERRA-SRS
FLUOR GOVERNMENT GROUP
HUNTINGTON INGALLS INDUSTRIES



SILVER

JACOBS

BRONZE

APPLIED RESERCH CENTER (ARC)
ATKINS
BECHTEL
BWX TECHNOLOGIES INC.
ORANO
SCUREF

BUSINESS

ECONOMIC DEVELOPMENT PARTNERSHIP
MUNNS ADVISEMENT, LLC
NORTH WIND GROUP
SECURITY FEDERAL BANK
SRS COMMUNITY REUSE ORGANIZATION

Thank you to our Members Plus 2018!

DON BRIDGES	SHARON RICKMAN
DAVID DEL VECCHIO	WAYNE RICKMAN
EDDIE ESTOCHEN	BOB SINDELAR
FRANK JORDAN	STEVE WILKERSON



Mission of CNTA

Citizens for Nuclear Technology Awareness, Inc., is an education and advocacy group promoting the safe and effective use of nuclear power, nuclear research and nuclear medicine.

We provide education, networking, and a voice of understanding from a technical perspective in a world often influenced by *inaccurate* and unwarranted fear.

CNTA membership encompasses individuals, families, and businesses who support the use of nuclear science and technology for many applications, including: energy, national security, nuclear medicine and diagnostics, and industrial applications.

BOARD OF DIRECTORS

Susan Wood- **Board Chair**
 Daren Timmons- **Vice Chair**
 Charles Hansen -**Treasurer**
 Mike Zustra- **Immediate Past Chair**

Jeff Allender	Sunny Lunka
Tom Burns	Karl Lutterloh
Byron Bush	Forest Mahan
Dean Campbell	Matthew McCoy
Shannon Cavero	Craig McMullin
Wyatt Clark	Nick Miller
Paul Cloessner	Chuck Munns
Dara Glass	Joe Ortaldo
Joyce Hopperton	Major Thompson
Fred Humes	Fitz Trimble
Sue King	John Veldman

James Corley, Ex-Officio
 Walt Joseph, Ex-Officio
 Steve Sheetz, Ex-Officio

Directors Emeritus

Clint Wolfe
 Mal McKibben

CNTA Staff

Jim Marra– Executive Director
 Allison Hamilton Molnar– Office Manager
 Lindsey Kennedy– Communications Intern

MEMBERSHIP INFORMATION

BUSINESS MEMBERSHIP OPTIONS

Platinum: \$10,000 or more
 Gold: \$5,000—\$9,999
 Silver: \$2,500—\$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

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

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

Opportunities include:

- Donate Items for Raffles/Auctions
- Volunteer your time at the Golf Tournament (or other upcoming events!)
- Get involved with a CNTA Committee (Information available online and on pg. 9)
- Volunteer to help in our Office
- Consider Sponsoring an Upcoming Event (Tap Into Nuclear, Young Professional Fundraiser, and the Teller Lecture and Banquet always need support!)

For information email Allison at cnta@bellsouth.net

CNTA CALENDAR OF EVENTS

May 9, 2019- Up & Atom featuring Dr. David Gattie (UGA). 7:30am at Newberry Hall in Aiken SC.

May 10, 2019- 17th Annual CNTA Charity Golf Tournament! Registration opens at 7:30am. Held at Houndslake Country Club.

June 12, 2019- Up & Atom- **“Nuclear Research at South Carolina Universities”** 7:30am at Newberry Hall in Aiken SC.

June 27, 2019- **Tap Into Nuclear** cohosted by W.I.N. **“Balancing work and Family” 5:30-7pm** at the Red Pepper in Aiken SC.

July 24, 2019- Up & Atom- **“SRR Interns” 7:30am at Newberry Hall** in Aiken SC.

August 27, 2019- Savannah River Safety Summit. Savannah Rapids Pavilion in Martinez GA.

August 28, 2019- Up & Atom featuring Stuart MacVean sponsored by SRNS. 7:30am at Newberry Hall in Aiken SC.

September 25, 2019- Up & Atom. 7:30am at Newberry Hall in Aiken SC.

October 5, 2019- **“CNTA Oyster Roast & Low Country Boil”**. 7pm at Palmetto Golf Club in Aiken SC.

Nuclear Science Week– October 13-19, 2019

28th Annual Teller Lecture & Banquet tentatively scheduled for October 16, 2019

JOIN CNTA AND HAVE THE CALENDAR OF EVENTS EMAILED TO YOU!!

1204 Whiskey Rd, Suite B
Aiken SC 29803

Phone: 803-649-3456

Fax: 803-649-3860

E-mail: CNTA@bellsouth.net

Visit Us At:
www.cntaware.org
Facebook: CNTAware

