



COMMUNITY REUSE ORGANIZATION

*two states, one future*

**PRESENTATION TO  
SOUTH CAROLINA NUCLEAR ADVISORY COUNCIL  
January 12, 2017**

**Presented by:**

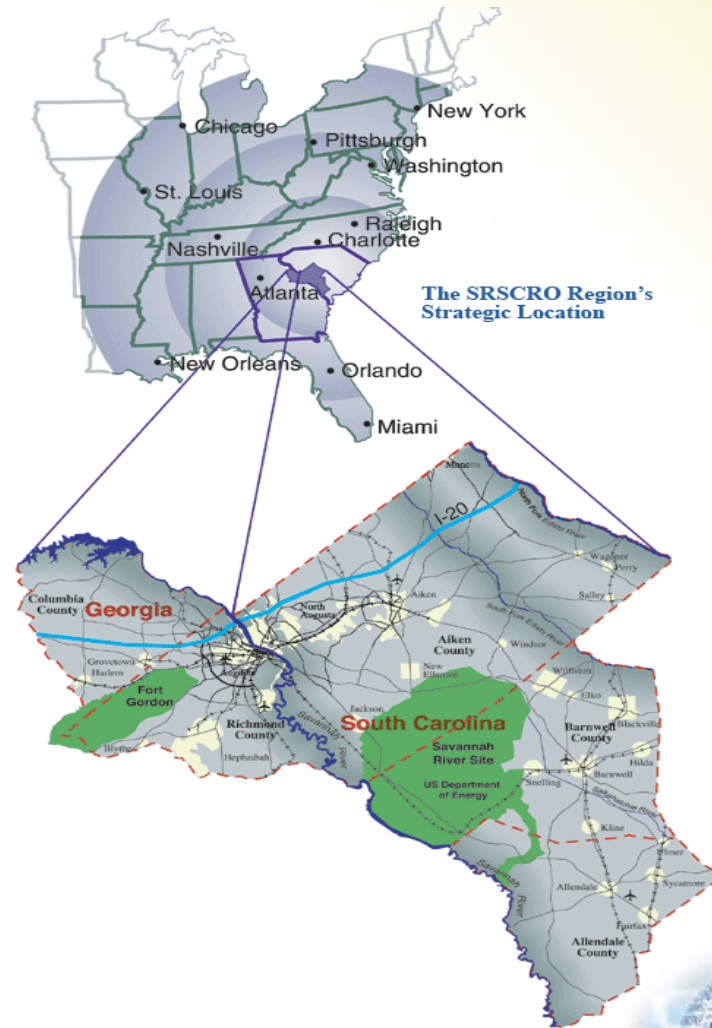
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# SRSCRO - A Regional Perspective

- Board = 22 members (11 from each state)
- Five Counties, Two States
- Designated by DOE-SR as the CRO for SRS
- Private Non-Profit 501 (c) 3
- Funding – Non-Federal Operating Dollars



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# Nuclear Workforce Needs Defined for SRSCRO Region

## Workforce Studies

- 2009 Regional Nuclear Workforce Study – 10,000 new nuclear workers over 10 years
- 2015 Regional Workforce Study – 37,000 new workers needed over 5 years for nuclear, manufacturing, medical & cybersecurity sectors

[Workforce Studies available at www.srscro.org](http://www.srscro.org)



# Nuclear Workforce Needs Are Real

## 2015 History

- Nuclear employers in the region hired 1030+
- Attrition totaled 773 (43% were retirement)

## Future Outlook

- Estimated 3000+ new hires at SRS for next 5 years from just 2 major employers
- Local employers report long-term need for technicians & engineers



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# Nuclear Workforce Needs Nationally

## Nuclear Power Industry

- 50% of nuclear energy industry workforce eligible to retire during next 10 years ([www.NEI.org](http://www.NEI.org))

## U.S. Department of Energy

- Los Alamos National Lab estimates 2,500 job vacancies between now and 2020 (U.S. News & World Report, June 2016)



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# NWI NUCLEAR WORKFORCE INITIATIVE<sup>®</sup>

*Growing Our Own Through Collaboration*

SRS COMMUNITY REUSE ORGANIZATION

- Promoting Nuclear Career Pathways
- Aligning Education Partner Programs
- Advancing STEM Skills through Collaboration
- Connecting Regional Workforce Networks



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# Nuclear Science Week Impact

EVENT	2013	2014	2015	2016	TOTAL
Education Days – RPSEC @ USC Aiken	330	120	346	575	<b>1,371</b>
Education Days – Augusta University	65	70	80	95	<b>310</b>
Education Days – USC Salkehatchie	45	N/A	N/A	N/A	<b>45</b>
Education Days – TCM	N/A	N/A	150	N/A	<b>150</b>
SRS Student*/Teacher Tours	46*	40	31	29	<b>146</b>
Teacher Workshop	31	30	30	N/A	<b>91</b>
Plant Vogtle Student Tours	80	140	175	270	<b>665</b>
VC Summer Student Tours	67	83	85	200	<b>435</b>
STEM Career Connections (students & teachers)	200	220	250	340	<b>1,010</b>
CNTA Edward Teller Lecture	305	300	308	250	<b>1,163</b>
2013 “Big Event” Misc Activities	409	N/A	N/A	N/A	<b>409</b>
<b>TOTALS</b>	<b>1,578</b>	<b>1,003</b>	<b>1,455</b>	<b>1,759</b>	<b>5,795</b>



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# Teacher Workshop Involvement

- Bringing Nuclear into the Classroom  
(CNTA Sponsored)
- Southeastern Summer Nuclear Institute  
(CNTA Sponsored)
- Teaching Radiation, Energy and Technology  
(TREAT – DOE Sponsored)



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# ANSR Program Metrics

- College Student Enrollment – 600
- ANSR Graduates (as of 5/2016) – 195
- ANSR Job Placement (as of 5/2016) – 168 (86%)
- STEM Program Impact - 4034



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# WORC

## Workforce Opportunities in Regional Careers

### Components

- 5 College & University Partners in 2 states
- SRSCRO Program Management/Fiscal Agent
- 16 relevant degree programs (2 & 4 year)
- Scholarships
- Student Retention Strategies
- Program Marketing & Recruitment
- Pipeline Programs

### Funding

- \$5M over 5 Years from DOE-EM & NNSA



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# WORC

## Funded by WORC Grant

**Scholarships**  
148  
Annually

- 2-Year Programs
- 4-Year Programs

**Student Retention Strategies**

- Instructional Support
- Tracking

**College Program Marketing & Recruitment**

- High Schools
- Adults pursuing new career path

**Pipeline Programs**

- Rural STEM Program
- Regional Outreach Activities

More than 16  
DOE-EM/NNSA/Contractor  
Relevant Degree Programs

at

- Aiken Technical College
- Augusta Technical College
- Augusta University
- University of South Carolina Aiken
- University of South Carolina Salkehatchie

10 to 25  
SRS Work Positions  
Annually

as

SRS Employer  
Supported  
Internships,  
Apprenticeships,  
Limited Service  
Employees, etc.

SRS Careers



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**Regional  
Employers**



**Educational  
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**Economic  
Development**





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