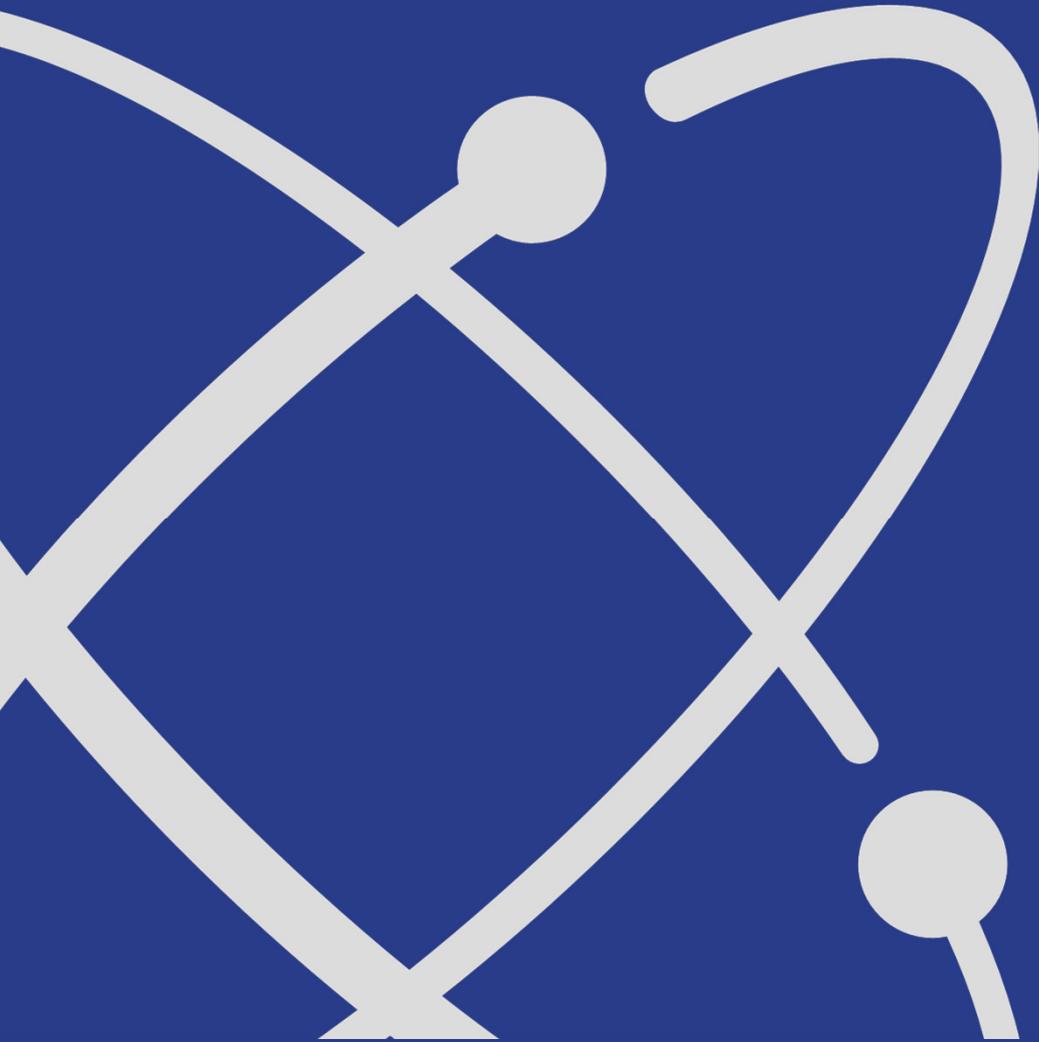


The American Nuclear Society, Nuclear Policy, and Other Stuff



American Nuclear Society



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Society**

**Steve Nesbit
ANS President
October 8, 2021**

**Presentation to the Trinity Local
Section of the American Nuclear
Society**



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ANS Vision

Nuclear technology is embraced for its vital contributions to improving peoples' lives and preserving our planet.

ANS Mission

Advance, foster, and spur the development and application of nuclear science, engineering, and technology to benefit society.



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Outline

- State of ANS
- 2021-22 Initiatives
- Nuclear Policy
- Are you a Nuclear Professional?
- Are you an Effective Nuclear Advocate?



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Change Plan et al.

- Change Plan 2020 (developed 2019)
 - Sustainability challenges
 - Multifaceted action plan

1ANS	Congressional Fellow
Advocacy Fundraising	Finance
Board of Directors	Governance
Commercial Publications	Meetings
Communications	Membership

- New Executive Director / Chief Executive Officer – Craig Piercy
- ANS staff restructuring



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2020 – The Year of Living Dangerously

- Pandemic
- Meetings go virtual or not at all
- Revenues drop
- Paycheck Protection Plan loans
- Webinars, webinars, webinars
- ANS Research and Development Report



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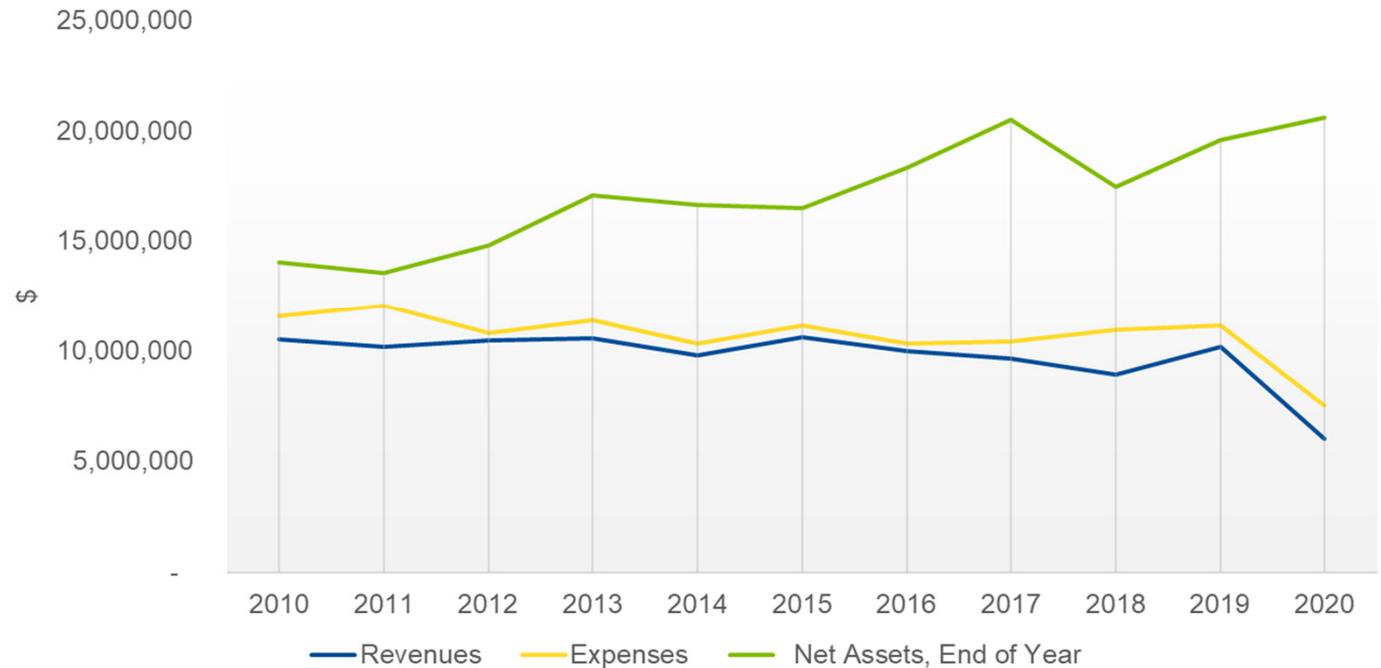
ANS President's Report June 2021

- Change plan substantially implemented
- Opportunity for continuing strategic planning and action
- Active Professional Divisions Committee / solving problems
- Net improvement to 2020 ANS financial position, despite pandemic
- 2021 budget will end with a net budget surplus
- Sale of property in 2022 would add another \$2M to the books



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Revenues, Expenses and Net Asset Trends 2010-2020

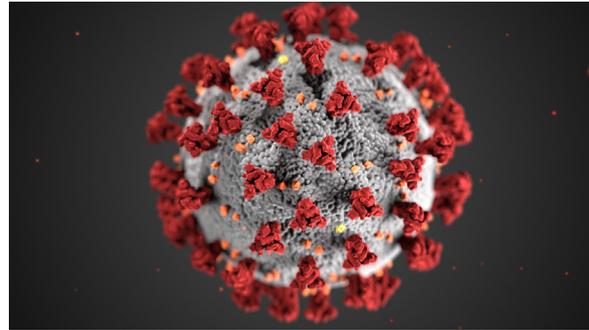




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Back to Meetings?

- 2011 Utility Working Group Meeting
August 2011: in-person!



- Mathematics and Computation 2021 in
October: virtual
- Probabilistic Safety Analysis 2021 in
November: virtual



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ANS 2021 Winter Meeting

- Washington Hilton
- November 30 – December 4, 2021
- Fuel cycle focus
 - Opening plenary – front end
 - President's Special Session – back end



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2021-22 President Focus Areas

- Complete Change Plan
 - Next steps
- Enhance Society infrastructure for addressing advanced reactors
- Policy
 - Nuclear energy's role in the world's clean energy future
 - Alliances with environmental advocates
 - Action on nuclear waste
 - Diablo Canyon



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Nuclear Policy 2021

- What does nuclear technology need?
 - Infrastructure
 - Basic science and education support
 - Effective public health and safety regulation
 - Level playing field
 - Acknowledgement of value (leadership)
- What is the ANS role?



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2021 – Crazy Year

- “Normal” appropriations

But wait, there's more!

- Debt ceiling
- Infrastructure Bill
- Reconciliation Bill



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What to Look for in 2021

- Year-to-year appropriations
 - Support for basic science, education, and infrastructure
 - Versatile Test Reactor?
 - Advanced Reactor Development Program
 - High assay low enriched uranium
- New stuff
 - Policy initiatives for clean energy
 - Technology-neutral or “carve outs?”
 - Support for existing reactors facing economic challenges to continued operation
 - Nuclear waste
 - Low dose radiation
 - Infrastructure bill?
- Confirmations



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IAEA
International Atomic Energy Agency

65th International Atomic Energy Agency (IAEA) General Conference

- Many foreign governments and companies are interested in new nuclear plants
 - U.S. technology is desired, but money talks
 - The new plant focus in the U.S. is on small modular reactors and advanced reactors, but not necessarily overseas
- Our government supports an expanded role for nuclear energy and is engaged toward that end



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Are You a Nuclear Professional?

- ANS is the professional society for nuclear technology, but what does that mean?
- One definition of professional – someone who gets paid to do a job (opposite of amateur)



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Nuclear Professionals

- Appreciate the potential for nuclear technology to serve the common good
- Want to let others know about that potential
- Aspire to stay up-to-date on technology; value learning
- Pursue licensure and certifications
- Understand that all forms of technology entail risk
- Recognize and are willing to address shortcomings



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Nuclear Professionals (cont.)

- Have a questioning attitude and are willing to speak up when concerns arise
- Know how to disagree respectfully and constructively
- Help others in the field succeed
- Recognize the accomplishments of others
- Treat people inside and outside of the profession with respect and consideration
- Know that facts and accomplishments are more important than claims and intentions
- Look for opportunities to serve and further the profession
- Keep an open mind



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Specific Opportunities for Nuclear Professionals

- Join your professional society – hopefully ANS
- Participate in your local section
- Mentor new entrants into the profession
- Interact with peers at meetings or through other forums
- Nominate a fellow professional for recognition and awards
- Lead or serve on a group doing constructive work
- Review technical papers before publication
- Get involved in codes and standards
- Stay informed on policy issues and participate in grassroots action



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Are You an Effective Nuclear Advocate?

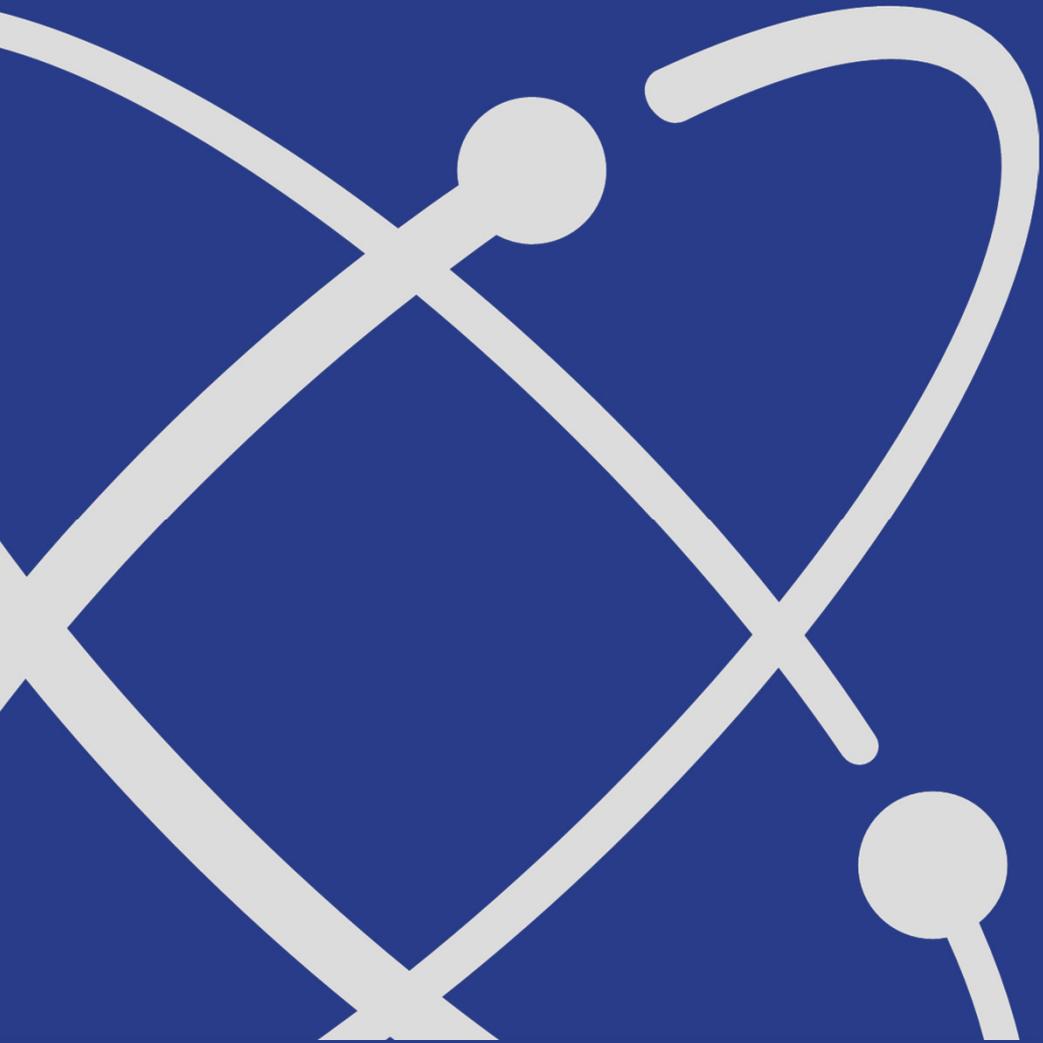
- Do you take advantage of opportunities to engage with people outside the profession about nuclear technology?
- Does your passion come through?
- Would others say that you speak or write about nuclear matters knowledgeably and respectfully?
- Do you refer to respected third parties?
- Do you mention the many and varied applications of nuclear technology, or are you a “one trick pony?”



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Are You an Effective Nuclear Advocate? (cont.)

- Do you tailor your comments to your audience?
- Do you understand the difference between a conversation and a monologue?
 - Do you listen well and encourage others to express their points of view?
 - Harvard Business Review 20 second rule



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