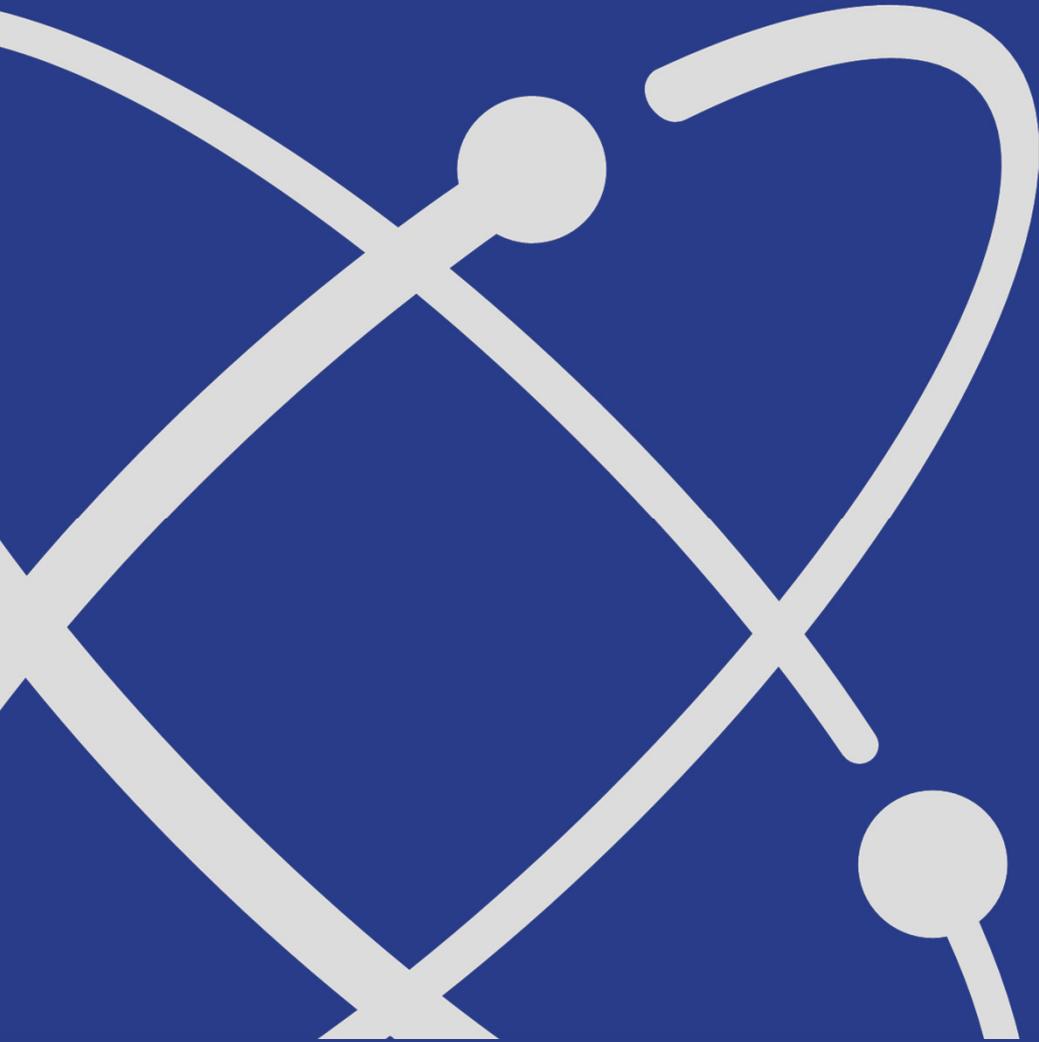


# The American Nuclear Society, Nuclear Policy, and Other Stuff



**American Nuclear Society**



**American  
Nuclear  
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

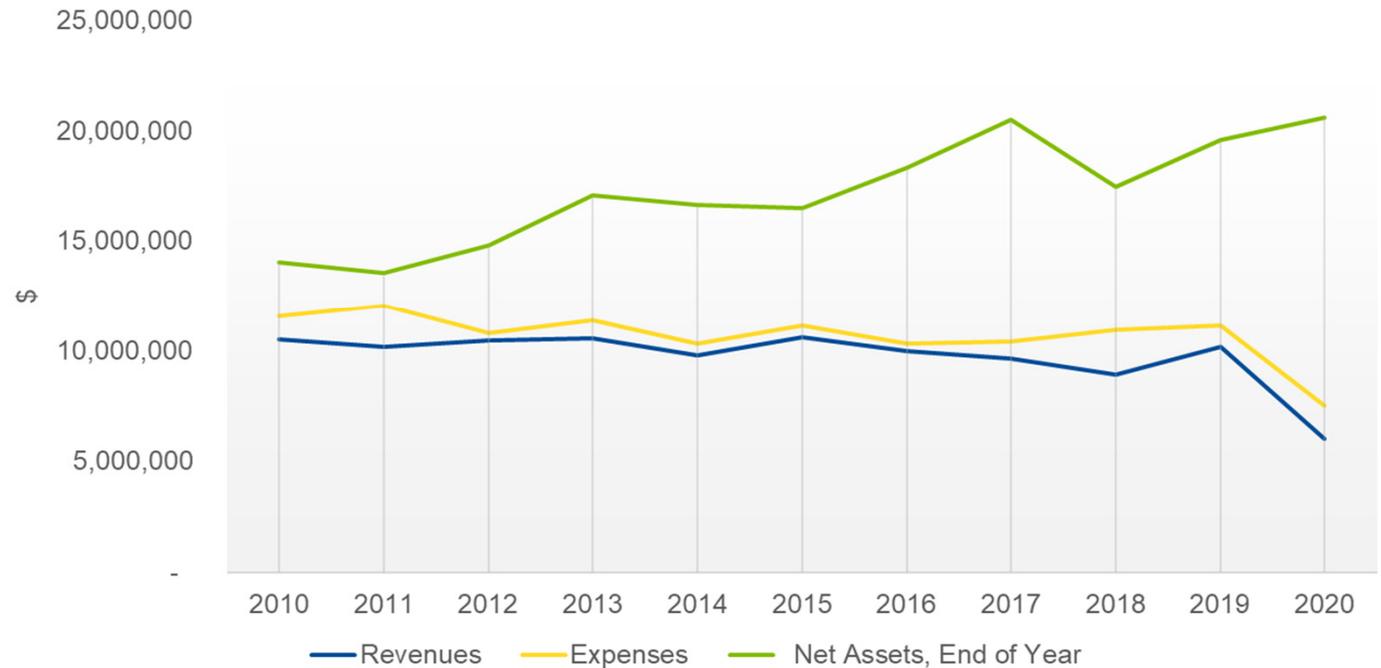
## June 2021

- 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

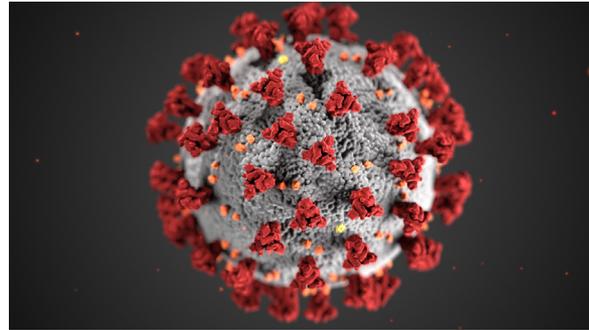




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# Back to Meetings?

- 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

# 65<sup>th</sup> 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?

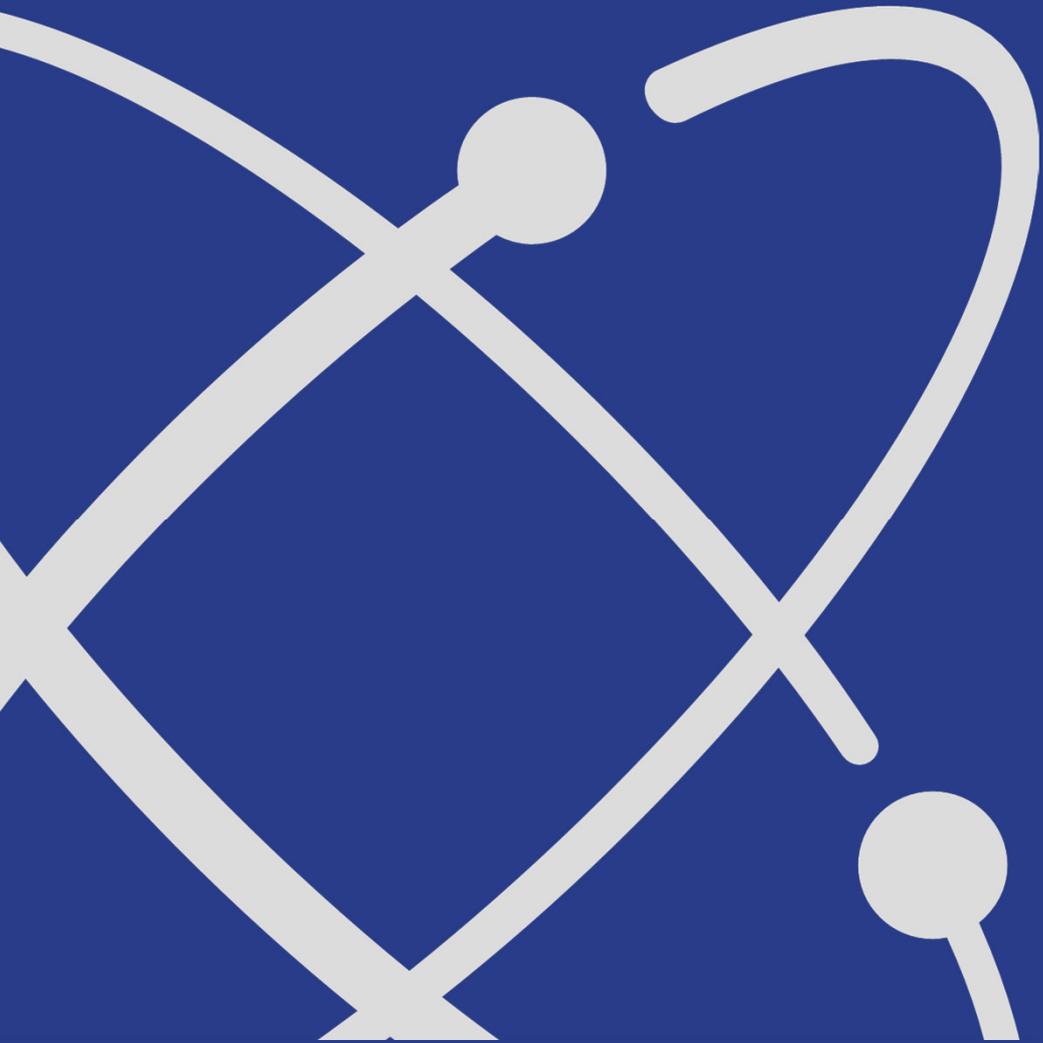
- Do you take advantage of opportunities to engage with people outside the profession about nuclear technology?
- Does your passion come through?
- Would others say that you speak or write about nuclear matters knowledgeably and respectfully?
- Do you refer to respected third parties?
- Do you mention 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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*ans.org*