

# The Lone Ranger - Newsletter

ISSUE 1  
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[WastetoEnergyNow.org](http://WastetoEnergyNow.org) of Recycling Slightly Used Nuclear Fuel

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## Attention

Do you personally know a Governor that you can get us an audience with?



## Intro & Thanks

Welcome to [WastetoEnergyNow.org](http://WastetoEnergyNow.org)'s 1st Newsletter and a special thanks for being a part of our Recycling of Slightly Used Nuclear Fuel community and for paying attention to our most trying problem in the US today, Energy.

The grid is fragile, intermittent power sources threaten to cause black-outs in some areas, and we are paying a high price for a supposed solution with trillions of dollars going to "renewables".

## National Atomic Museum Talk

Steve Curtis recently dealt with these topics in his [talk to a Las Vegas business and candidate forum](#). Of particular note is the fact that only 12 percent of our energy is produced from wind and solar (only about 3% from solar).

Would you invest 100's of billions of dollars for a \$40 billion business sector (wind and solar power generate about \$40 billion in retail power revenue per year)? Probably not, but it begs the question of where is all of this money going?

## A thought from Meredith

As fuel prices rise across the nation, many Americans see sticker shock not only at the pump but in their monthly electricity bills. Electric customers, even in energy-rich states like Texas, have even been warned of impending brownouts and blackouts after years of "clean energy" initiatives that limited their vision of "renewable" energy to the intermittent power of wind and solar and ignored the benefits of nuclear power. [Cont'd on next page](#)

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## Economic Benefits to Recycling SUNF (Slightly Used Nuclear Fuel) in Your State

1. Recycle SUNF - \$1 Bil.
2. Carbon-Free Nat'l Lab - \$2 Bil.
3. Adv'd Nuclear R&D Park - \$1 Bil
4. Micro-Grid R&D - \$500 Mil.
5. DOD Reactor Prog. - \$500 Mil
6. Univ. Nuclear R & D - \$100 Mil.
7. High-Tech Business - \$500 Mil.

## Our Energy Crisis & the Solution

Our nation was built on the Free Enterprise system, not on government control or monopoly that is happening now in wind and solar industry with Government subsidies, in direct violation of the Sherman Anti-Trust Act. Subsidies need to be eliminated for all energy Industries to level the playing field and let the competition in the free market produce & decide what the best products at the best price will be! Only when this happens can we use existing stockpiles of used nuclear fuel to create “energy too cheap to meter”, to buy all the electricity we want for a low monthly fee.

**Freedom is Energy  
Energy is Freedom**



A nationwide trend of over-reliance on renewables, natural gas, and imported electricity - described by [energy expert Meredith Angwin](#) as a “[fatal trifecta](#)” – puts at risk many states’ economic security and, with it, our national security.

## “Live Free or Die” State

In New Hampshire – where people “Live Free or Die” – local elected officials and activists have convinced the state government to expand its vision of renewable energy. On June 28, 2022 Governor Sununu signed into law [House Bill 543](#), an act “to establish a commission to study nuclear power and nuclear reactor technology in New Hampshire,” culminating a multi-year effort on the part of local New Hampshire citizens, activists, and elected officials to meet the state’s challenges in energy costs, security & environmental stewardship.

Recognizing that the availability of safe, cheap, clean power production that is “on all the time” is more than a convenience,

but rather a matter of national security, New Hampshire resident and gubernatorial candidate [Karen Testerman](#) worked with Grafton County Commissioner, [Omar Ahern Jr.](#), to bring nuclear power experts to the state. Their goal: to explore both the necessity of keeping the state’s Seabrook Nuclear Power Plant operating for its entire useful life and the prospect of implementing “next generation” nuclear technology in New Hampshire.

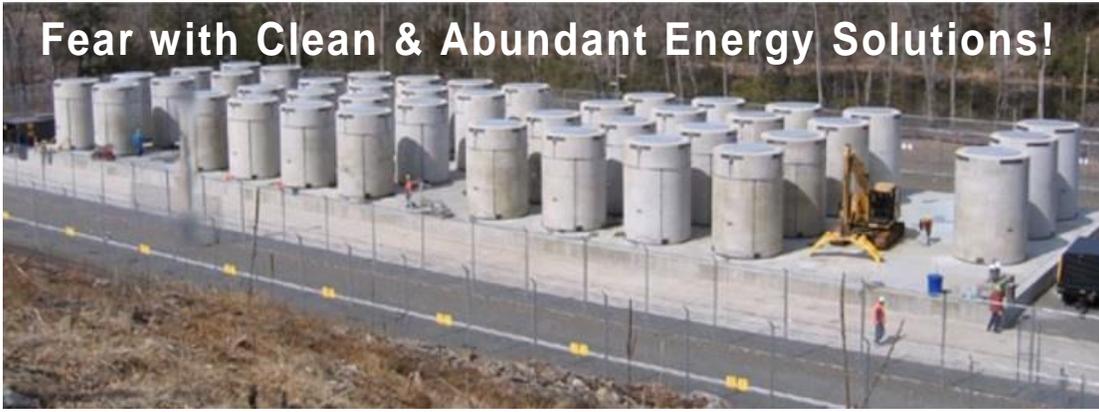
Nuclear Expert Steve Curtis and his colleague Tom Dolan (*The Team*), traveled throughout New Hampshire, briefing citizens and leaders about the economic and national security benefits of nuclear power and the need for America to embrace spent nuclear fuel as a “new sustainable” source of energy. They stirred the interests of the state’s leaders with the promising concept of recycling spent nuclear fuel in next generation fast reactors – for which America has a domestic supply equivalent over 250 years of clean, carbon-free power - sitting unused on reactor sites nationwide.

What You really need to know.

You can Learn about [Here](#), [Here](#) or [Here](#)!

# Learn the Facts about “Nuclear Waste” to Replace

## Fear with Clean & Abundant Energy Solutions!



### New Hampshire is Not Alone

[Valerie Gardner](#), co-founder of the California based [Climate Coalition](#) and Managing Partner of Nucleation Capital, said “the wording of NH HB 543 is very smart, direct and no-nonsense and it should be a model for every state in the nation!” She explained that New Hampshire is not alone in studying the benefits of nuclear for the clean energy.

“Michigan is already there, and Wyoming, Indiana, West Virginia, Alabama, Wisconsin, Illinois and Connecticut have already repealed bans and/or passed pro-SMR “bills”

she said – referring to state-level actions meant to explore the next generation nuclear revolution.

Please direct any friends and colleagues to our site as well as to send any feedback on this Newsletter, any of our talks or website to:

[Info@wastetoenergynow.org](mailto:Info@wastetoenergynow.org)

So, we can continuously improve our message. Keep your emails coming and please relate your suggestions for improvement and how you can help in getting the message out.

### EYE ON IT



Current MSFR Industry Trends

[Elysium Industries](#)



[\(Gateway for Accelerated Innovation in Nuclear\)](#)

Nuclear Energy (NE) Voucher in March & for work related to their SUNF Fueled - Molten Salt Fast Reactor with their partner facility Pacific Northwest Laboratory.

### SOFTWARE



Our APP Pick!

[CW Nuclear App](#)

is a must have if you are in the nuclear industry or nuclear advocacy. It is a comprehensive listing based on the 26th Edition of the Commercial Nuclear Power Plant directory by Curtiss-Wright that provides concise data on all operating nuclear plants throughout the world.

## This Issue's – Nuclear Test of Knowledge (Q&A)

**Q: Besides electricity, what other useful applications are there for Nuclear Energy?**

**A: You can click away with your mouse to search the huge expanses of the internet for answers, or simply go to [IF](#) or [Interesting Facts](#) on our website(s). Check out [Nuclear Ed](#) too**

Email us at [Info@wastetoenergynow.org](mailto:Info@wastetoenergynow.org) if You can also send In suggestions for Our next newsletter.



**ANSWERS are on page 5**



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## Your Assistance is needed regardless of what it may be!

As of today, there is only two of us (Steve & Tom) comprising this Grassroots effort of putting out these websites, talks, podcasts together to get this important information to the masses!

This will not only affect you, but your children and their children's children!

How can you help in a non-monetary fashion? Let us know!

## Upcoming Podcasts & Events

- **Power Podcast** - Arron Larson - Executive Editor of the *POWER Magazine* has invited Steve and I to be guests on *The POWER Podcast* to talk about our dedication to the Slightly Used Nuclear Fuel (SUNF) recycling concept & help you spread the word about the technology and our vision (hopefully in mid-September). If you're not familiar with the show, check out the archives at: <https://www.powermag.com/the-power-podcast/>.
- **American Nuclear Society Winter Meeting- Phoenix, AZ**  
Nov. 13<sup>th</sup> -17<sup>th</sup> Steve Curtis will have his paper titled "Fast Reactor Recycling of Slightly Used Nuclear Fuel (SUNF)" presented before the International High-Level Radioactive Waste Management Division of the ANS. The paper will lay out the background and method for securing the recycling of SUNF in a fast reactor..

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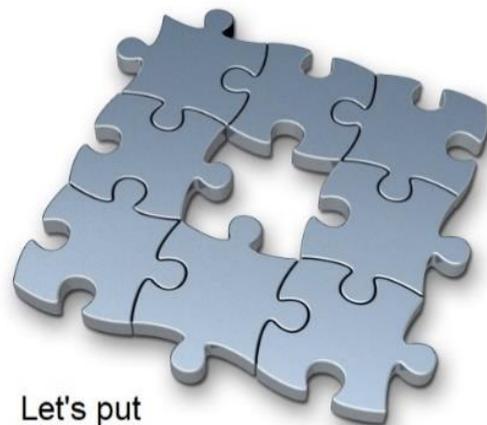
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<https://wastetoenergynow.org/>

<https://virginia-recycles-snf.com/>



Let's put  
the Missing Puzzle Piece of  
Slightly Used Nuclear Fuel  
into your State's  
Future Energy Solution!



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# Answers to the Nuclear Test of Knowledge

## Other useful applications for Nuclear Energy.....

- Nuclear medicine is used to diagnose and treat many different diseases. It uses isotopes to explore the body. Another version of it is radiotherapy, which is used to treat certain cancers by using radiation to target and destroy cancer cells.
- **Project Prometheus** is the NASA initiative to use nuclear power for long distance space exploration. The use of nuclear power as a primary fuel source could increase speeds and cut costs of missions.
- Uranium isn't new. While using it as a source of power is new, during the Middle Ages it was used to transform the color of glass.
- Nuclear batteries, driven by the decay of a radioisotope called Pu-238, supplies energy for all space missions to the outer planets.
- Nuclear sources are routinely used by geologists to measure water content in rock.
- High radiation sources are used to sterilize medical instruments
- High radiation sources are used to sterilize food (but not in America) efficiently. That is why you can buy milk that is perfectly good for you off the non-refrigerated shelf in Germany.