



The Oregon Conservancy Foundation

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OCF Resource Guide

“NUCLEAR POWER UNAFFORDABLE AT ANY SIZE”

1. Nuclear Power Plant Accidents, Nuclear Weapons Testing and radiation releases:
 - a. [“Three Mile Island - A Nuclear Crisis in Historical Perspective”](#) by J.S. Walker
 - b. [“Manual for Survival: A Chernobyl Guide to the Future”](#) by Kate Brown
2. Oregon’s 1980 Statutory Ballot Measure Law – Siting of Nuclear Plants in Oregon:
 - a. Oregon Revised Statutes [\(ORS\) 469.590 to 469.601](#):
 - b. 2/4/22 Eugene OR City Club: [Should Nuclear Be Part of The New Energy Future](#)
3. NuScale:
 - a. NuScale’s corporate website: <https://www.nuscalepower.com>
 - b. [NuScale Faces Questions on Nuclear Reactor Safety and Financing Its First Project](#) 10/27/20
 - c. [Eyes Wide Shut](#) by M.V. Ramana, September 2020
 - d. [NuScale’s Small Modular Reactor - Risks of Rising Costs, Likely Delays, and Increasing Competition Cast Doubt on Long-Running Development Effort](#) - 2/2022 Institute for Energy Economics and Financial Analysis (IEEFA) Updated 1/24/23:
[Small modular reactor project likely to end badly for utilities and worse for taxpayers](#)
4. Nuclear Power designated “Clean Energy” under OR and WA state laws:
 - a. NIRS: [Nuclear Energy is Dirty Energy \(and does not fit into a ‘clean energy standard’\)](#)
5. X-energy At Hanford:
 - a. [Tri City Herald news report on X-energy at Hanford](#) 4/1/21
 - b. X-energy - Advance Nuclear Reactors - corporate website: <https://x-energy.com/>
 - c. Union of Concerned Scientists: [“Advanced” Isn’t Always Better - Assessing the Safety, Security, & Environmental Impacts of Non-Light-Water Nuclear Reactors](#)
6. Government Subsidies for Nuclear Power as so called “Clean Energy”:
 - a. Taxpayers for Common Sense: [“Doubling Down - Taxpayers’ Losing Bet on NuScale and Small Modular Reactors”](#) 12/14/21
7. Energy Alternatives to Nuclear Power That Can Save Our Climate:
 - a. [“No Miracles Needed”](#) by Mark Z. Jacobson - also [1/23/23, The Guardian Interview](#)
 - b. [Geothermal resources offer an off-ramp from risky, costly nuclear project](#): IEEFA
 - c. [“Reinventing Fire”](#) by Amory Lovins - also [3/26/22, The Guardian Interview](#)

Nuclear is empirically slower, less certain of getting built, less certain of working properly, there are a lot of lemons, Trojan was one, and also more expensive. And therefore just do the math: If something costs more per kilowatt hour, that means you get fewer kilowatt hours per dollar, therefore it will replace less fossil fuel generation per dollar, therefore it makes the problem worse. This is really simple logic, and claiming we need everything because the problem is urgent is exactly backwards, because the more climate change is an urgent problem, the more we need to invest judiciously, **not indiscriminately...** (Emphasis added!)

– Amory Lovins, Adjunct Professor, Stanford University. [Eugene City Club, 2/4/22](#)