

# Attachment A

## **Nuclear Fast Facts (from Grace)**

1. One person's entire life would use enough uranium that it would only produce a soda can size worth of "nuclear waste."
  - a. To power one person's day, they would use 2.5 gallons of oil, 8.27 pounds of coal, or 261 cubic feet of natural gas per person each day.
2. The U.S. Department of Labor says it is safer to work at a nuclear plant than at a fast-food restaurant, grocery store or in real estate.
  - a. According to the US Bureau of Labor Statistics, there are only eight industries safer than working in a nuclear power plant.
3. Scientifically, and from an engineering perspective, nuclear "waste" is not an issue. Approximately 90-95% of the spent nuclear fuel can be reprocessed and reused in a nuclear power plant. Reprocessing facilities are very real.
4. Modern reactor designs have passive safety systems. For example, the AP1000's in Georgia that were just completed, utilizes gravity to cool the core when the passive cooling system is activated.
5. Radiation is a normal, natural thing in the planet around us. If you like bananas and granite countertops, congratulations, you probably are exposed to more radiation than if you lived next to a nuclear power plant.
6. On average, nuclear power plant workers receive less radiation dose than flight crew and frequent flyers.
7. One out of three times you see your doctor, you are likely being treated by nuclear science in some way shape or form.
8. Nuclear does not depend on the outside weather for its operation on a day-to-day basis. It is on 24/7/365
9. The Nuclear Fuel Security Act of 2023 passed, and America will be mining our own uranium starting in August of this year.
  - a. <https://www.mining-technology.com/news/uranium-energy-corp-wyoming/?cf-view>
10. Nuclear power plants don't just hire nuclear engineers; they hire fire fighters, electricians, communications individuals, business managers, project planners, and just about every type of engineer.