Podcast Script: Nuclear Energy

[insert sound of a city, fade as talking starts]

Humans require lots of energy. We need a renewable source of energy that is clean, efficient, and reliable. Can nuclear energy help solve the world's energy problem? Or do the dangers outweigh the benefits?

[transition instrumental music]

Nuclear energy may seem dangerous, especially if you're focusing on catastrophic events like the Chernobyl disaster, where 31 people died from a nuclear accident.

31 deaths seems like a lot, but what if I told you that 7 million people die *every year* from air pollution? Michael Shellenberger tells us more.

[enter audio clip from Ted Talk: Why I changed my mind about nuclear power]

We need an energy source that actually saves lives, and nuclear energy *is* the solution.

[ding, successful sound]

And nuclear energy has advantages over other renewable sources like wind and solar. It takes up significantly less space than placing solar panels in a field, or spacing out windmills along a ridge. Nuclear energy is also *much* more efficient. You can't always rely on the sun to be shining or even the wind to be blowing. And, there's much more energy created from nuclear power plants than other forms of renewable energy. Listen as this analogy is explained.

[insert audio clip from Ted Talk: Debate: Does the world need nuclear energy?]

Making the transition to nuclear energy is much more logical that continuing the use nonrenewable resources.

Currently, the United States uses the most nuclear energy. Making the shift to use nuclear energy really does depend on the socioeconomic and environmental resources of a country. But it can be done.

[transition music instrumental]

In our modern world, Nuclear power plants have become much more efficient. Leslie Dewan is the CEO of Trans-atomic Power. Listen as she tells us more.

[insert audio clip from Vox: The fight to rethink (and reinvent) nuclear power]

This efficiency allows for much more energy to be produced. There are challenges related to waste. But compared to other energy sources, these challenges may be less significant than we

can first imagine. And, the amount of waste that's produced is small compared to other sources. It's compact and it becomes less radioactive overtime. It's stored in the ground, whereas waste from gasoline goes straight into the air that we breath.

[transition instrumental music]

Nuclear energy is the future, and we're here for it.

[outro music]