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STOP Nuclear Power Expansion in Georgia!

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We need and want clean, safe energy choices such as energy efficiency, wind, solar, and biopower and do not need any more dangerous nuclear reactors forced on us.

The Savannah River basin is already suffering! More nuclear reactors will only make this situation worse!

Water Use & Supply

-Vogtle's 2 existing reactors require huge amounts of water with only 1/3 of what was withdrawn being returned to the Savannah River [~64 million gallons per day (mgd) withdrawal with consumption of ~43 mgd]. That's more water than many towns and cities in Georgia use! **Doubling the number of reactors on site will only make this worse.** This excess use of water threatens municipalities, industries, agriculture, recreation, and aquatic species. If there is an extended drought—even a drought 20 or 40 years from now, severe consequences could occur within the Savannah River basin.

Water Quality

-The water discharged from nuclear Plant Vogtle is already hotter than what is withdrawn; more reactors will make this situation worse. Temperature changes negatively affect fish, plant, and animal life that depend on the river. The water intake systems at nuclear power plants kill fish and fish larvae, among other organisms; **more reactors on site will make this worse.**

Nuclear Waste

-High-level radioactive waste (used nuclear fuel) has no place to store or dispose of, nor is it likely a 'solution' will be found in our lifetime; building more nuclear reactors makes this situation worse. Existing and future waste will remain onsite at Plant Vogtle for generations and generations, threatening indefinitely the health of nearby communities and the environment. Yet the NRC in previous cases has refused to even address or consider this important issue!

Security

-Nuclear plants are vulnerable to terrorist attack and sabotage; building more nuclear reactors will only make this situation worse by providing more targets. Plant Vogtle is very close to the Department of Energy Savannah River Site, which stores a large portion of the nation's weapons grade plutonium and other dangerous materials. An accident or successful terrorist attack would have a horrific impact on human health and environment in the region for years to come.

Human Health

-A 1982 Congressional report estimated that if a meltdown occurred at just one of Vogtle's reactors it could cause 39,000 peak* early injuries, 4000 peak cancer deaths, and 200 peak early fatalities with costs over \$60 billion; building more reactors will worsen these stats and put more people's lives and health at risk. (*Peak means highest calculated value from the study - it does not necessarily mean worst case.)

We must produce electricity through less dangerous sources; energy efficiency, solar, wind, and biopower!

Sincerely,

M.H. Churney

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F-RIDS = ADM-03

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