

Make-Up Pond C Talking Points

Purpose:

- Extend the ability of the plant to operate during extended drought conditions in the Broad River Basin.

Size and impacts – Make-up Pond C would:

- Flood 620 acres, and require 636 extra acres of surrounding land for buffer
- Displace residents of up to 86 single family homes and mobile homes, mostly low-income folks (average per capita income \$0-\$16,000)
- Alter the hydrology and ecology of the area entirely, including complete loss of riparian habitat that is increasingly rare and valuable within Piedmont watersheds (along London Creek, which would be dammed to create the Pond)
- Noticeably impact a historical cemetery
- Construction would contribute to the \$14 billion in overall construction costs which will be passed on to ratepayers through rate hikes

For what?

- About 3.8 billion gallons of usable water in the case of extended drought and maximum drawdown of Pond B
- Used at a maximum rate of 28,000 gallons per minute, this could last for about 90 days—3 months
- Pond C, along with Ponds A and B, would be refilled by pumping water from the Broad River (Ninety Nine Islands Reservoir) – replenishing these supplies would require drought conditions improving in the Broad River Basin

Climate science predicts many parts of the world will experience longer and deeper droughts in the coming years. So what's the backup plan?

- There is none – Duke doesn't plan on developing other drought contingencies unless the development of such a plan is "warranted to support station operations" at some point in the future.

*Bottom line: Constructing a new nuclear station, displacing low-income residents and totally altering the local landscape to provide a backup source of water for plant operation **doesn't even guarantee that the plant won't have to shut down – a potentially dangerous occurrence – if a multi-month drought impacts the region!***



More info:

NIRS.ORG / NCWARN.ORG / BREDL.ORG / CLEANENERGY.ORG / MARKEY.HOUSE.GOV / NRC.GOV