Opportunities for Coal Repowering with Advanced Nuclear
Who We are

**Good Energy Collective** is a progressive think-tank that delivers policy and leadership on nuclear energy.
Our Interest in Coal-to-Nuclear Repowering

- “Just Transition” is key to progressive energy vision
- Study by UCS & UWUA, it would cost $33–$83 billion to provide a comprehensive set of supports to transition the ~90,000 people directly employed in the US coal industry

Complications
- Mismatch in job location
- Mismatch in skills or required training
- Reduced pay, benefits, or ability to join a union
- Piecemeal state/federal approaches to sourcing new energy jobs

A good option for retiring coal plants?

Opportunities for Coal Communities Through Nuclear Energy: An Early Look
Prepared for the Walker Foundation

https://www.goodenergycollective.org/policy/coal-repowering
Methodology

- Fastest Path to Zero (FPtZ) database of 304 coal plants retired since 2010 or retiring before 2045
- Filtered out:
  - Active state policy restrictions against new nuclear plants
  - Safety hazards identified by FPTZ
  - Total nameplate capacity of less than 300 MWe; nameplate capacity per unit of greater than 1000 MWe
Recommendations

Role for SMR vendors
- **Start early**
- Continue engaging with NRC
- Engage with the utility, municipality, or other owner/operator
- Identify local technical/community colleges and universities
- Identify whether a community workforce organization exists in the area
- Identify state or local business councils and economic development groups

Role for coal-closure communities
- **Start early**
- Identify potential utility partners
- Exploring whether and where possibilities may already exist to facilitate transitional training