

# Project Alternatives

The PEIS will address a range of alternatives for construction, operation, and decommissioning of an advanced nuclear reactor technology park at the CRN Site. The park would contain one or more advanced nuclear reactors with a total combined generating capacity not to exceed 800 MWe. Considered technologies include light water reactors (LWR) and/or non-LWRs at one of two locations on the 935-acre CRN Site, which are designated as Area 1 and Area 2.

## Alternatives Considered in the PEIS:

- A – No-Action Alternative
- B – CRN Technology Park at Area 1
- C – CRN Technology Park at Area 2
- D – CRN Technology Park at Area 1 and Area 2

## Alternatives considered but eliminated:

- E – Construction of SMRs at alternative sites
- F – Construction of alternative energy generation sources

# Proposed Technologies

Advanced nuclear reactor technologies being considered:

## Light water reactors

- SMR - Pressurized Water Reactor (PWR), Lower Power Unit
- SMR - Pressurized Water Reactor (PWR), Higher Power Unit
- SMR - Boiling Water Reactor (BWR)

## Non-light water reactors

- Thermal, Molten Salt, Graphite Moderated
- Thermal, Fluoride Salt Coolant, Graphite Moderated
- High Temperature Gas, Graphite Moderated, Helium
- Molten Chloride Fast Reactor
- Micro Reactor