Nuclear Build is bigger than 9.6 GW
Presentation to IEP/IRP Public Consultations

Bringing nuclear science awareness to Communities
Complete Nuclear Fuel Cycle

- Conversion, enrichment and fuel fabrication – 5000 direct jobs
- Manufacturing of nuclear grade components large steel vessels, piping, pumps, valves, and electrical cabling - 5000 direct jobs
- Maintenance and operation of nuclear power plants, would require around 7000 personnel.
Quality education and industry training

- Youth to acquire the necessary skills to enter adequately sustainable jobs, and to have the knowledge to participate in the economic development.
- Large capacity of highly competent and skilled artisans.
- 15 000 artisans such as welders, boilermakers, plant operators, carpenters, electricians, pipefitters, will be required.
- Having a highly skilled labour force would attract investors to establish more manufacturing facilities in South Africa.
Quality education and industry training

✓ Need the mass-based skills development initiative benefiting the youth.
✓ Contribute to skills development and to facilitate manufacturing capability.
✓ Expansion of existing institutions and establishment new.
✓ Given their advanced skills, these artisans would be easily employable in many industries such as the aviation, renewable energy, chemical, pharmaceutical, and petrochemical industry.
Economic advantages

- Eastern Cape Hub for Nuclear Manufacturing.
- Port of Nqura would assist significantly with the import or export of the large sized nuclear components.
- The growth of the local nuclear industry.
- SAFARI-1 is ranked amongst the top 3 largest producers of medical radioisotopes in the world.
- Acquiring the know-how to design NNP through technology transfer and access supplier country’s markets.
Thank You!

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