



## Joint Select Task Force on Nuclear Energy



# Small Modular Reactor Economic Benefits September 25, 2014

# SMR 'prospective' Economic Opportunities

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- **No 'false expectations'**
  - *The 1<sup>st</sup> SMRs to be built in the U.S. are probably at least 10 years from now*
    - *5 years + for design and licensing, then specific siting, and finally construction – 2023 at the earliest – 2025 is more likely!*
- **Construction jobs = 1,000 over a 2 to 3 year period**
- **Operating jobs = 360**
  - *for a ~500MWe plant comprised of several SMRs – with average annual salaries at about \$85,000*
- **Positive impacts on existing Tri-Cities companies**
  - Lampson Cranes, AREVA Nuclear Fuel Manufacturing, Mid-Columbia Engineering, Apollo and those that do engineering, make parts, and system components

# Manufacturing or assembly of SMRs

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**BUT – The real opportunity is in assembling SMRs and shipping them all over the world.**

- **Whichever site is selected for one of the first SMR reactor sites will have an advantage in the possibility of being selected to assemble**
  - And possibly establish training for new international nuclear operators\*\*\*.
- **Tri-Cities is uniquely situated for assembly and shipping**
  - *Excellent transportation -- Ocean going barges and one of the few “nuclear ports” in the U.S.; major rail center, and excellent air service*
- **Numbers of jobs will depend directly on the number of orders for SMRs; however, it is anticipated that at inception, these numbers could be from 500-1000 technical employees who require nuclear certification qualifications**