

Session Title: Small Modular Reactor for Nuclear

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The ARC-100 reactor's inherent safety attributes and passive heat removal design creates a "walk away" safe facility that insures the reactor core will not be damaged in any postulated event. In addition, it can be fueled with the nuclear waste produced by traditional reactors, and its 20-year refueling cycle offers new levels of proliferation resistance. It provides a new model for nuclear power that is based on factory fabrication of modular components that can be shipped for rapid site assembly, resulting in low overnight costs, and the simplicity and reliability of the design support a competitive levelized cost of electric.