

SES19-2019-000206

Abstract for an Invited Paper
for the SES19 Meeting of
the American Physical Society

Innovating a cost-competitive small modular nuclear reactor: BWRX-300

JON W. BALL, General Electric Power

The nuclear industry has seen an unprecedented number of small modular and advanced reactor designs being developed in the global market. Today there are over 100 designs currently under development globally, and over 50 being developed in the United States alone. This presentation will highlight the macro drivers for new nuclear development and discuss the different technologies that are being contemplated.

General Electric has been involved in the nuclear industry for several decades and has been continuously developing new reactor technologies. This presentation will discuss a potentially disruptive small modular reactor called the BWRX-300 that is being developed to be cost competitive with gas and renewable generation.