

Session Title: Small Modular Reactor for Nuclear

Name: José N. Reyes, Jr.

Position: Chief Technology Officer and Co-founder, NuScale Power

Abstract title: Present Status of Development of the NuScale SMR

NuScale Power is developing a new small modular reactor (SMR) to supply electricity and thermal energy for district heating, desalination, and process heat applications. This groundbreaking SMR design features a fully factory fabricated 60 MWe NuScale Power Module using a safer, smaller, natural circulation pressurized water reactor technology scalable to a 720 MWe plant. NuScale submitted the first-ever SMR Design Certification Application to the U.S Nuclear Regulatory Commission (NRC). More than 18 months in progress, the most extensive NRC review phase is now successfully completed and on schedule for approval in 2020 and first plant operation in 2026.