

# NUSCALE Levelized Cost of Energy

We have done more than figure out how to generate energy more efficiently. We've employed some of the most powerful minds and effective strategies to design smarter plants, which are smaller, more efficient, scalable, and cost-effective. The NuScale Power Module™, up to 77 MWe (gross) generating capacity, enables utility companies to correctly size their power plants for current needs, then add capacity as necessary.

In the U.S., with inexpensive natural gas pricing, combined cycle gas turbine (CCGT) plants are a significant competitor. Globally, where natural gas pricing tends to be significantly higher, NuScale compares favorably to CCGT generation on a levelized cost of electricity (LCOE) basis.

## NUSCALE LCOE IN NORTH AMERICA

Estimated Average U.S. Levelized Cost of New Generation Resources 2017 \$/MWh

\*IOU: First of a Kind (FOAK)



IOU: Nth of a Kind (NOAK)



\*\*Muni: First of a Kind (FOAK)



Muni: Nth of a Kind (NOAK)



Based on NuScale  
U.S. SE Cost Estimate

\*IOU stands for investor-owned utilities

\*\*Muni stands for municipalities.

Assumptions for EIA and NuScale VOYGR™-12: WACC of 4.0 percent to 7.0 percent\*; 30 yr. cost recovery period; 4.0 percent WACC for NuScale Muni FOAK & NOAK. NuScale VOYGR-12 FOAK and Nth LCOE include Owner's Cost of \$5.82/MWh. EIA includes transmission investment from \$1.00/MWh (Advanced Nuclear) to \$4.10/MWh (Solar Thermal). NuScale included \$1.00/MWh for transmission investment in FOAK and Nth LCOE values.

Source: U.S. Energy Information Administration, Levelized Cost and Levelized Avoided Cost of New Generation Resources in the Annual Energy Outlook 2018, March 2018, except NuScale VOYGR-12; NuScale LCOE Model. Natural gas price based on National Energy Modeling Systems (NEMS) that forecasts prices based on changes in supply and demand. 2017: \$3.47/mmBTU.

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