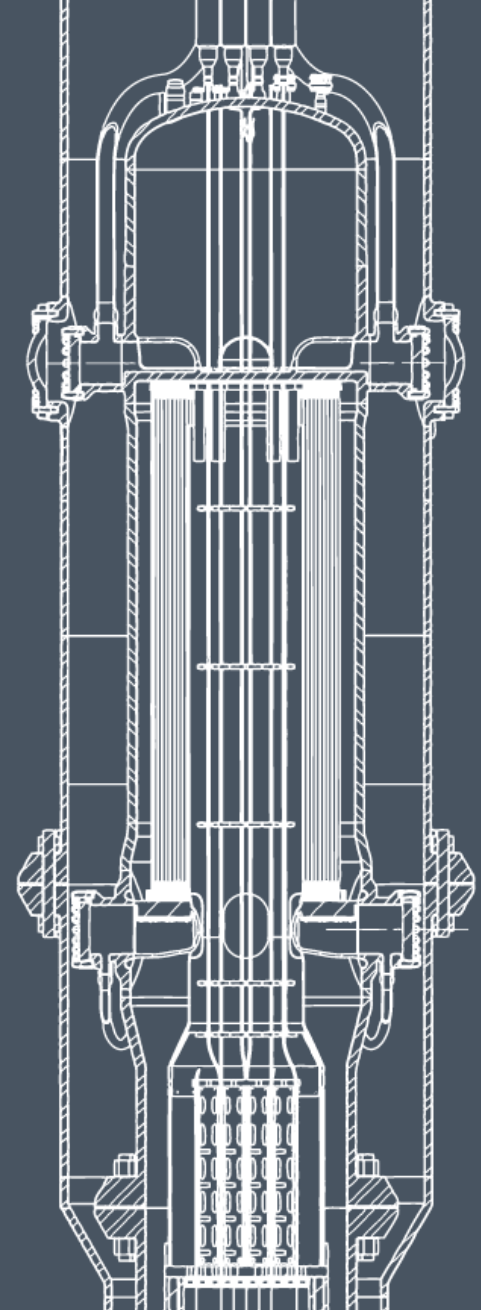




**NUSCALE  
POWER™**

## **NuScale's SMR - Flexible and Economic**

Tom Mundy – Chief Commercial Officer and  
Managing Director, UK & Europe  
12 April 2017



**NuScale Non-Proprietary**

© 2017 NuScale Power, LLC

# Technology Overview



Factory  
manufacture

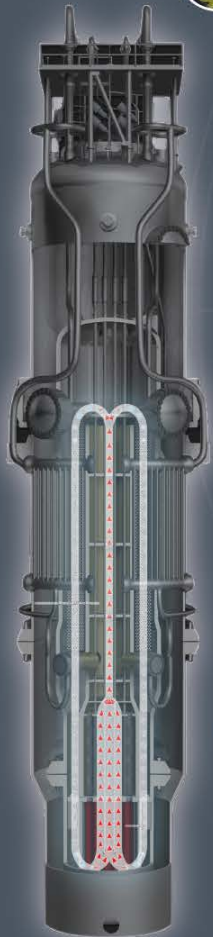
Low carbon,  
secure electricity



Housed in a 12 module  
reactor building



To the plant site



NuScale Power  
Module including  
containment and  
reactor vessel



Shipped by truck,  
rail or barge

**NuScale Non-Proprietary**

© 2017 NuScale Power, LLC

# NuDEP – Completed Studies

## Oil Refineries Study - Reduction of Carbon Emissions (Fluor and NuScale)

**10-Module Plant** coupled to a 250,000 barrels/d refinery

## Integration with Wind Study - Horse Butte Site (UAMPS, ENW and NuScale)

**1-Module** dedicated to UAMPS 57.6 MW wind farm



## Hydrogen Production Study – High-Temperature Steam Electrolysis (INL and NuScale)

**6-Module Plant** for Emission Free Hydrogen Production

## Desalination Study – Sized for the Carlsbad Site (Aquatech and NuScale)

**8-Module Plant** can produce 50 Mgal/d (190K m<sup>3</sup>/d) of clean water plus 350 MWe

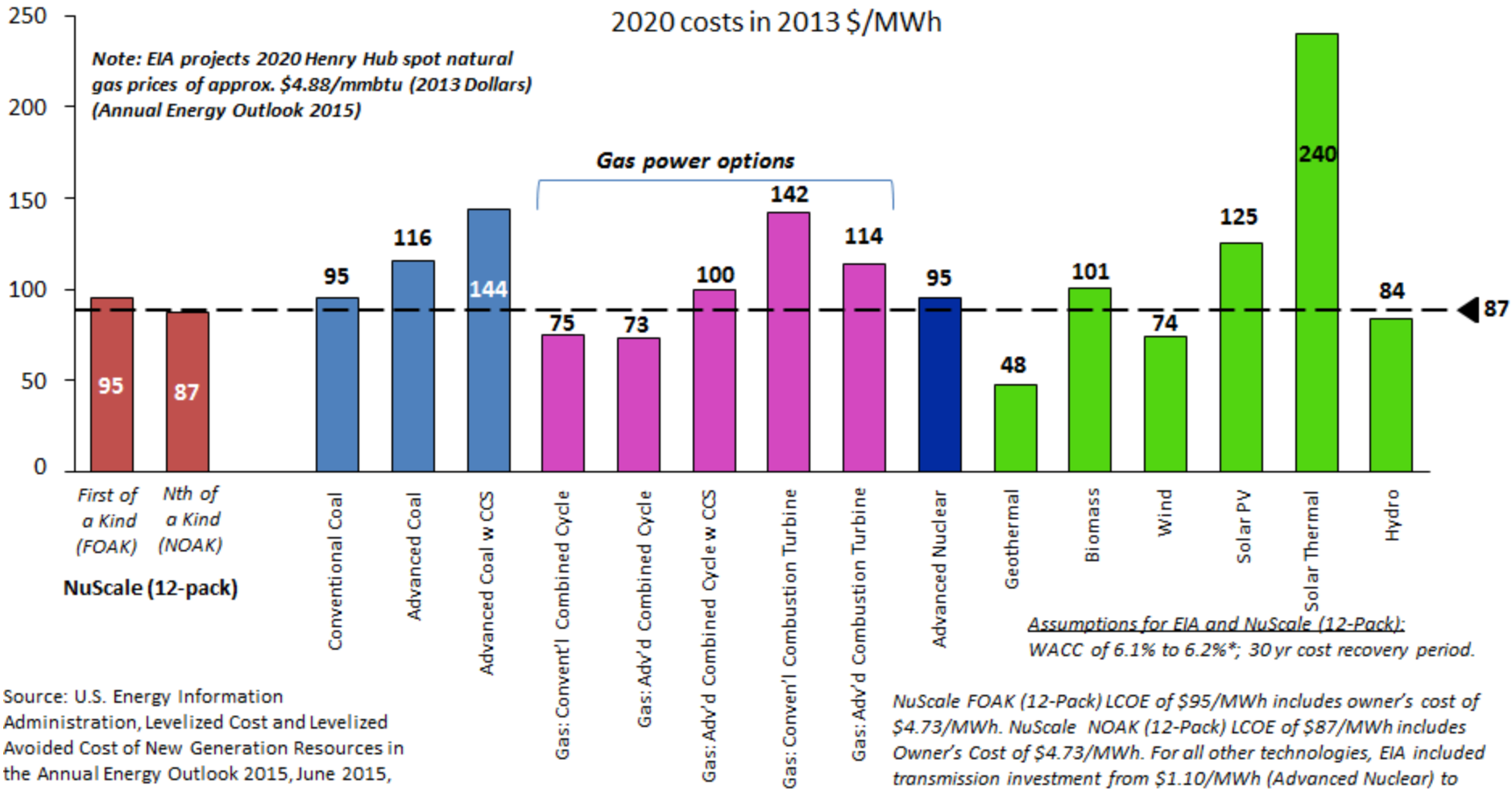


# NuScale LCOE in North America

## Estimated Average US Levelized Cost of New Generation Resources

2020 costs in 2013 \$/MWh

Note: EIA projects 2020 Henry Hub spot natural gas prices of approx. \$4.88/mmbtu (2013 Dollars) (Annual Energy Outlook 2015)



Assumptions for EIA and NuScale (12-Pack):  
WACC of 6.1% to 6.2%\*; 30 yr cost recovery period.

NuScale FOAK (12-Pack) LCOE of \$95/MWh includes owner's cost of \$4.73/MWh. NuScale NOAK (12-Pack) LCOE of \$87/MWh includes Owner's Cost of \$4.73/MWh. For all other technologies, EIA included transmission investment from \$1.10/MWh (Advanced Nuclear) to \$6.00/MWh (Solar Thermal). NuScale included \$1.10/MWh for transmission investment in the FOAK and NOAK LCOE values.

\* WACC of 6.2% only applies to Advanced Nuclear and NuScale



# NUSCALE POWER™

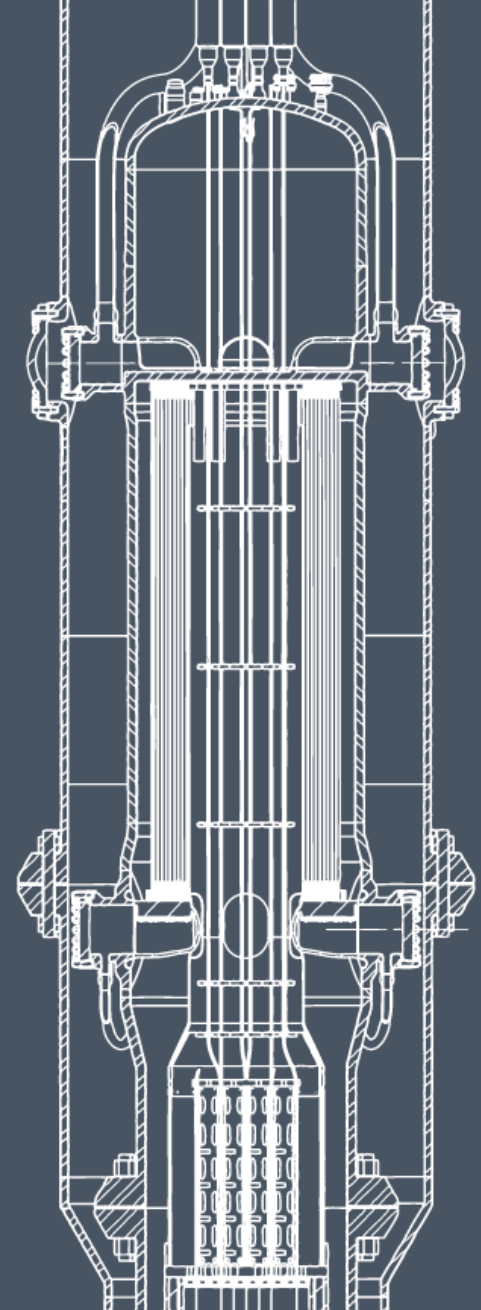
1st Floor, Portland House  
Bressenden Place  
London, SW1E 5BH  
+44 20 7932 1700

6650 SW Redwood Lane, Suite 210  
Portland, OR 97224  
+1.503.715.2222

1100 NE Circle Blvd., Suite 200  
Corvallis, OR 97330  
+1.541.360.0500

11333 Woodglen Ave., Suite 205  
Rockville, MD 20852  
+1.301.770.0472

6060 Piedmont Row Drive South,  
Suite 600  
Charlotte, NC 28287  
+1.704.526.3413



**NuScale Non-Proprietary**

© 2017 NuScale Power, LLC