



# Clean Energy Trends

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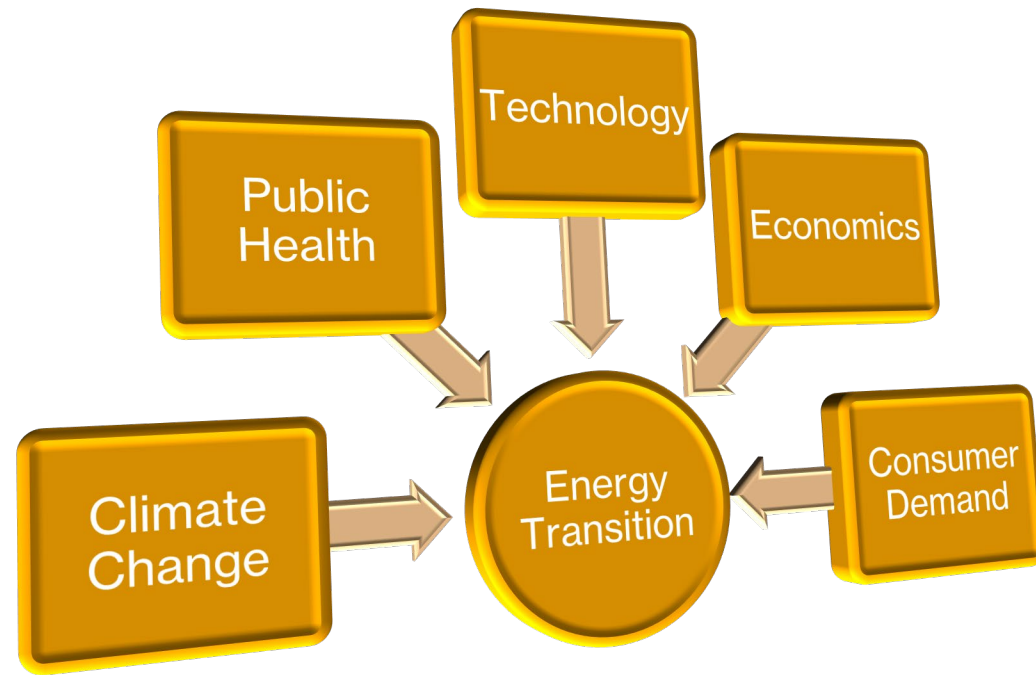
University of Oregon School of Law

Oregon Senate Interim Committee on  
Environment and Natural Resources

Dec. 7, 2020



# The World is Undergoing an Energy Transition



# Major Economies Are Adopting Climate Neutrality Goals

<b>EU</b>	European Union	2050
<b>CN</b>	China	2060
<b>KR</b>	South Korea	2050
<b>JP</b>	Japan	2050

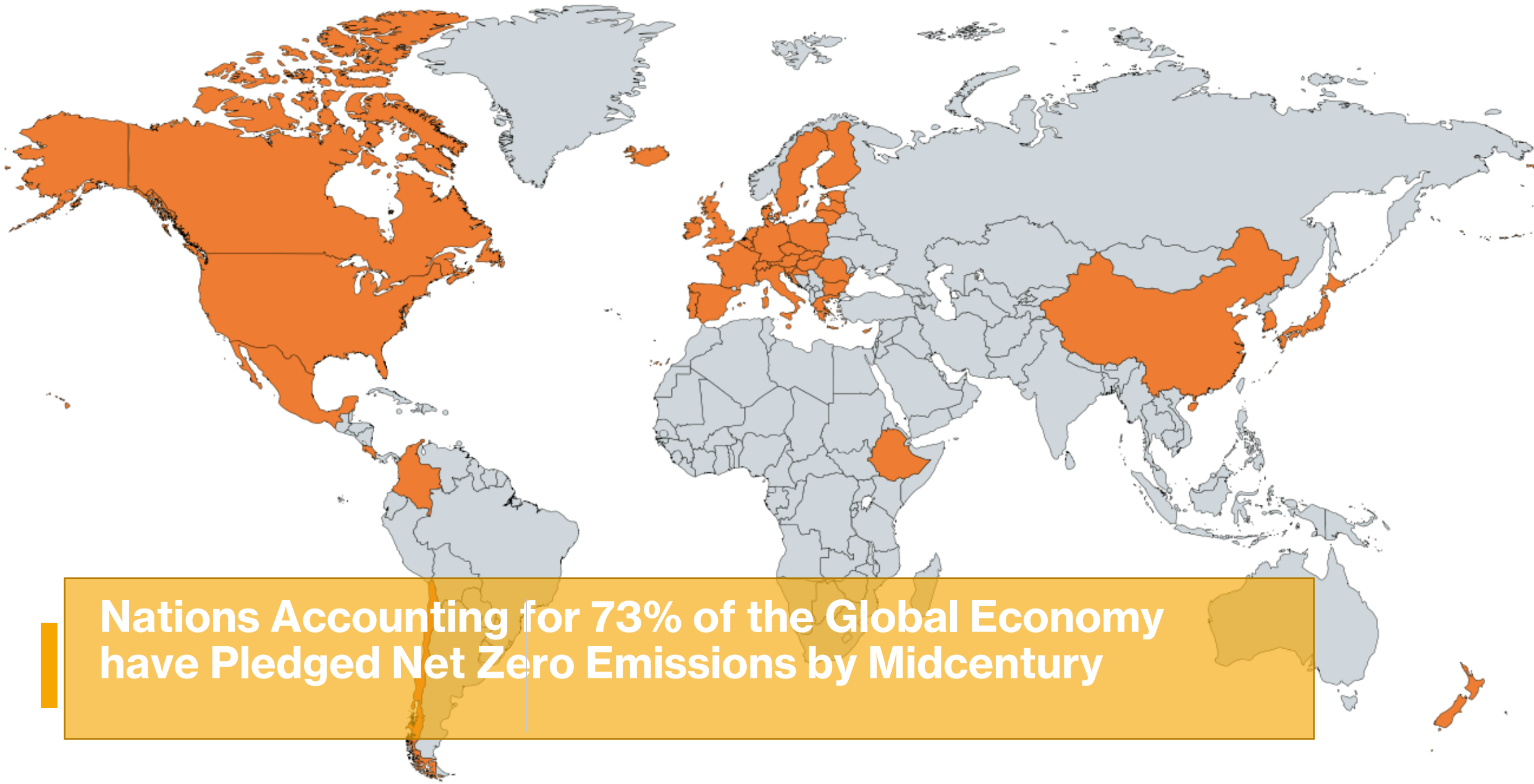
# Joe Biden's climate plan could put Paris Agreement targets 'within striking distance,' experts say



By [Helen Regan](#), CNN

Updated 1:20 AM ET, Mon November 9, 2020

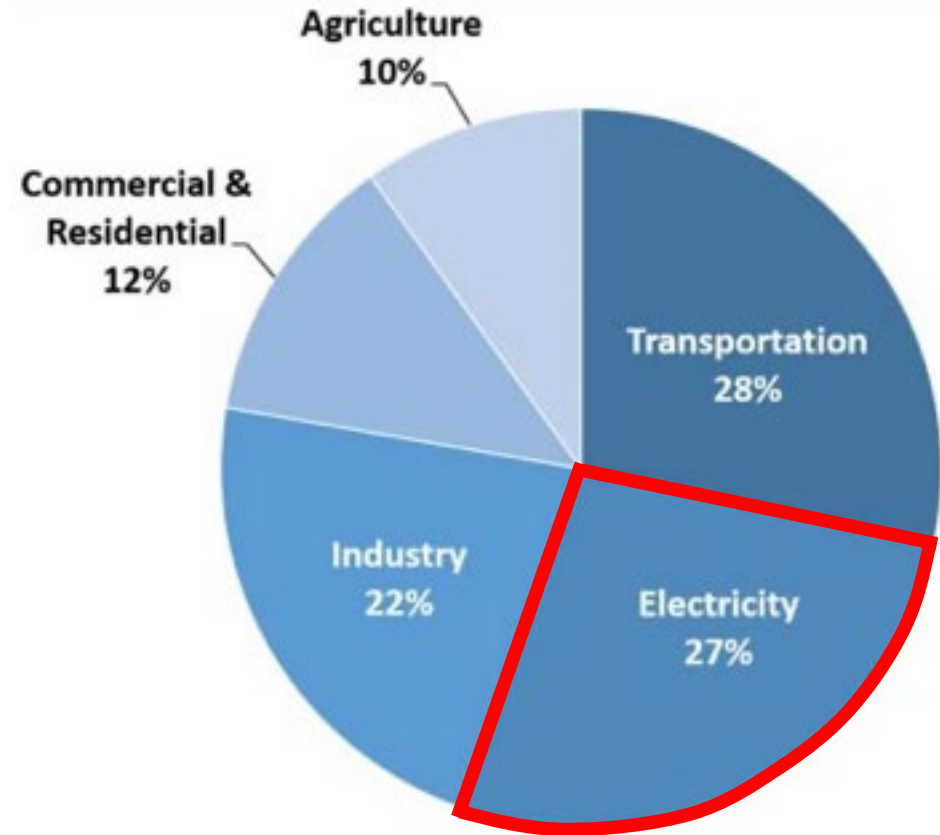




**Nations Accounting for 73% of the Global Economy  
have Pledged Net Zero Emissions by Midcentury**

# The Electricity Sector is a Large Source of Emissions

Sources of Greenhouse Gas Emissions in 2018



Source: U.S. EPA

# Clean Electricity Enables Reductions in Other Sectors

## Clean Transportation



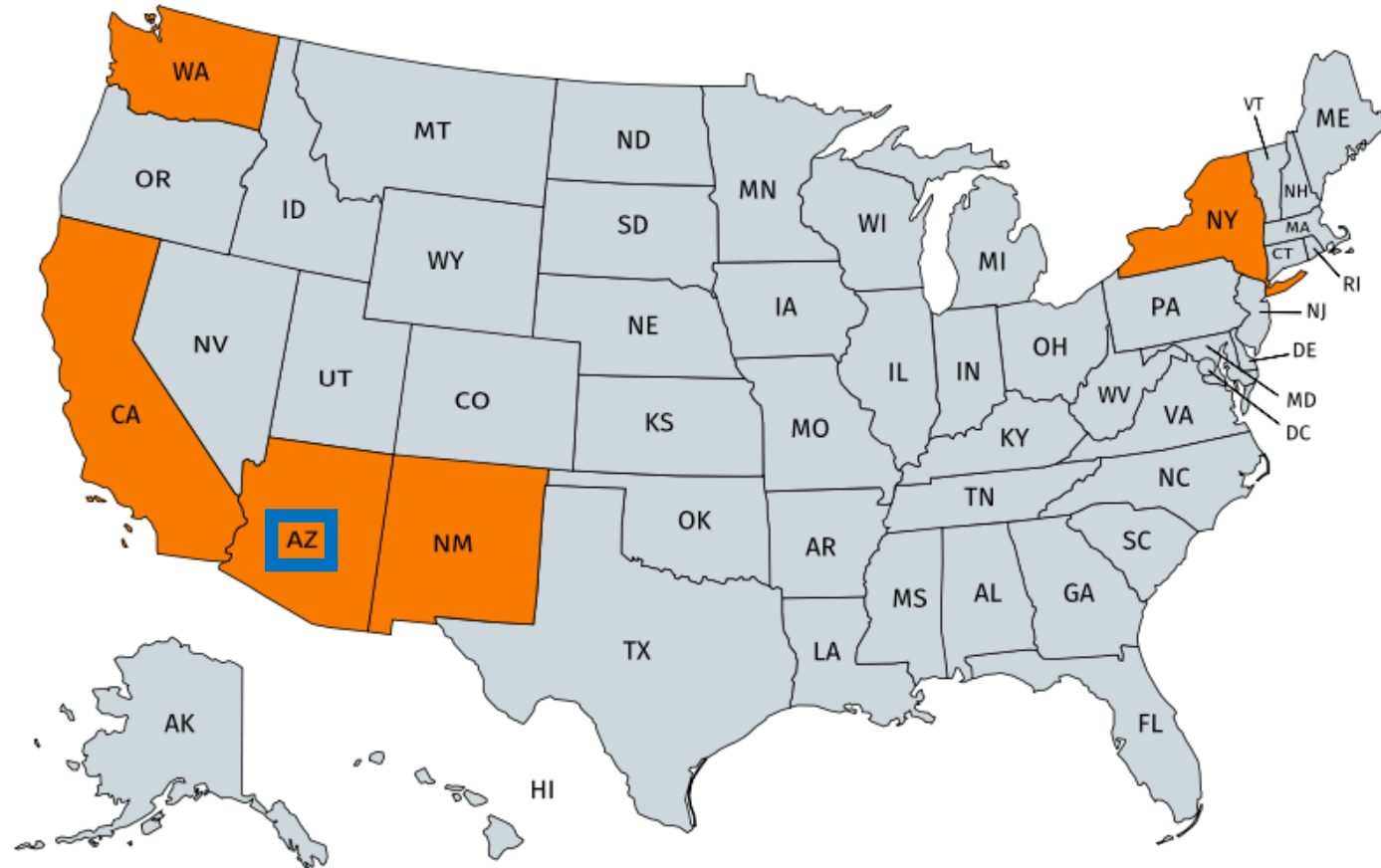
PGE/Daimler Truck North America

## Building Energy Use



Photo: Dennis Schroeder / NREL 7

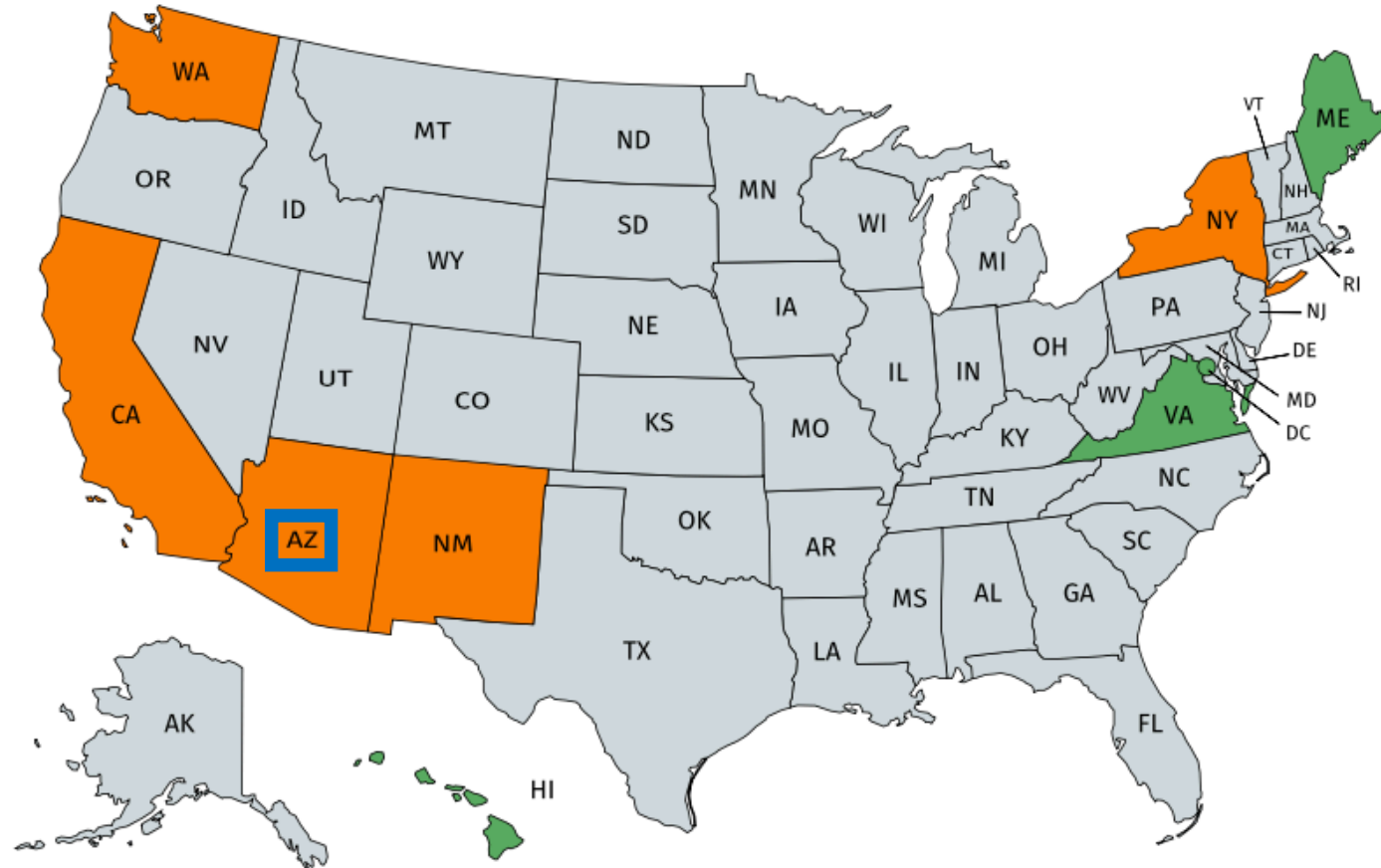
# 5 States have 100% Clean Energy Standards



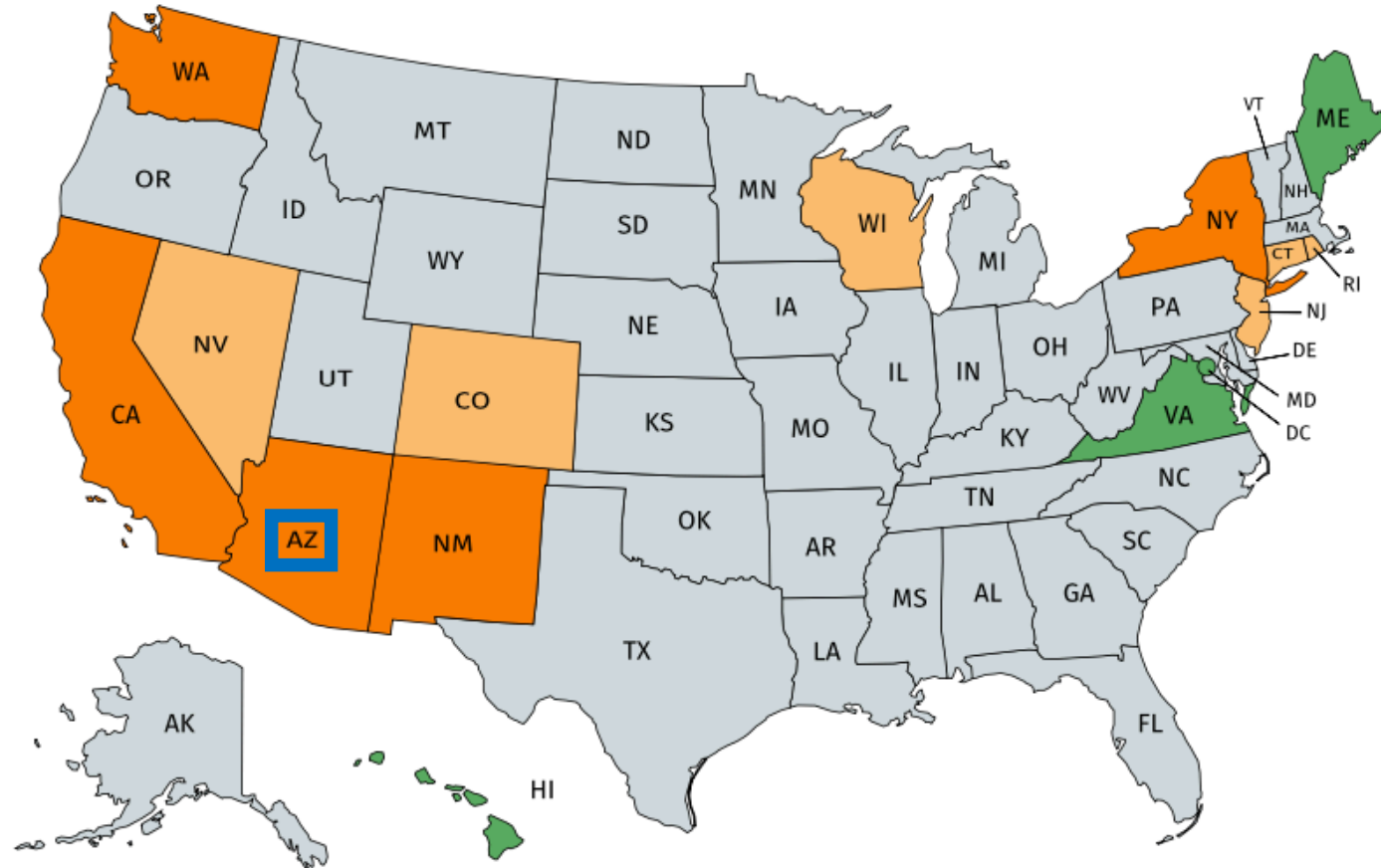
Expected to be finalized in 1Q 2021



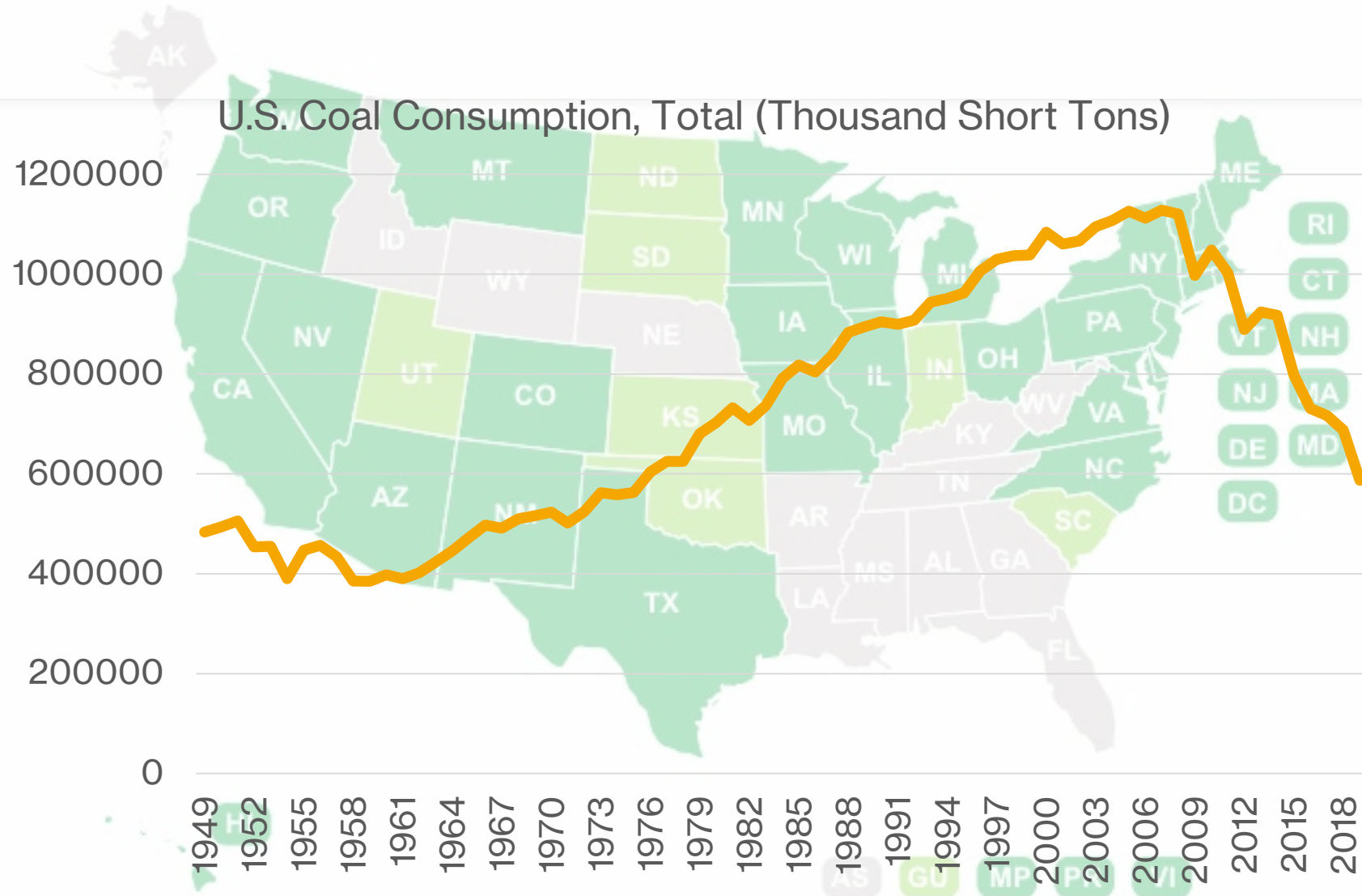
# 3 States + DC have 100% Renewable Portfolio Standards



# 6 States have 100% Clean Energy Goals



# Builds on Foundation of Policy



# Builds on Declining Costs

## Lazard's Levelized Cost of Energy Analysis, Version 14.0



Cost per Megawatt-hour

# Leaves Aside Some Contentious Debates

## Capital Intensive Projects



Photo: NuScale/Portland Tribune

## Legacy Hydro

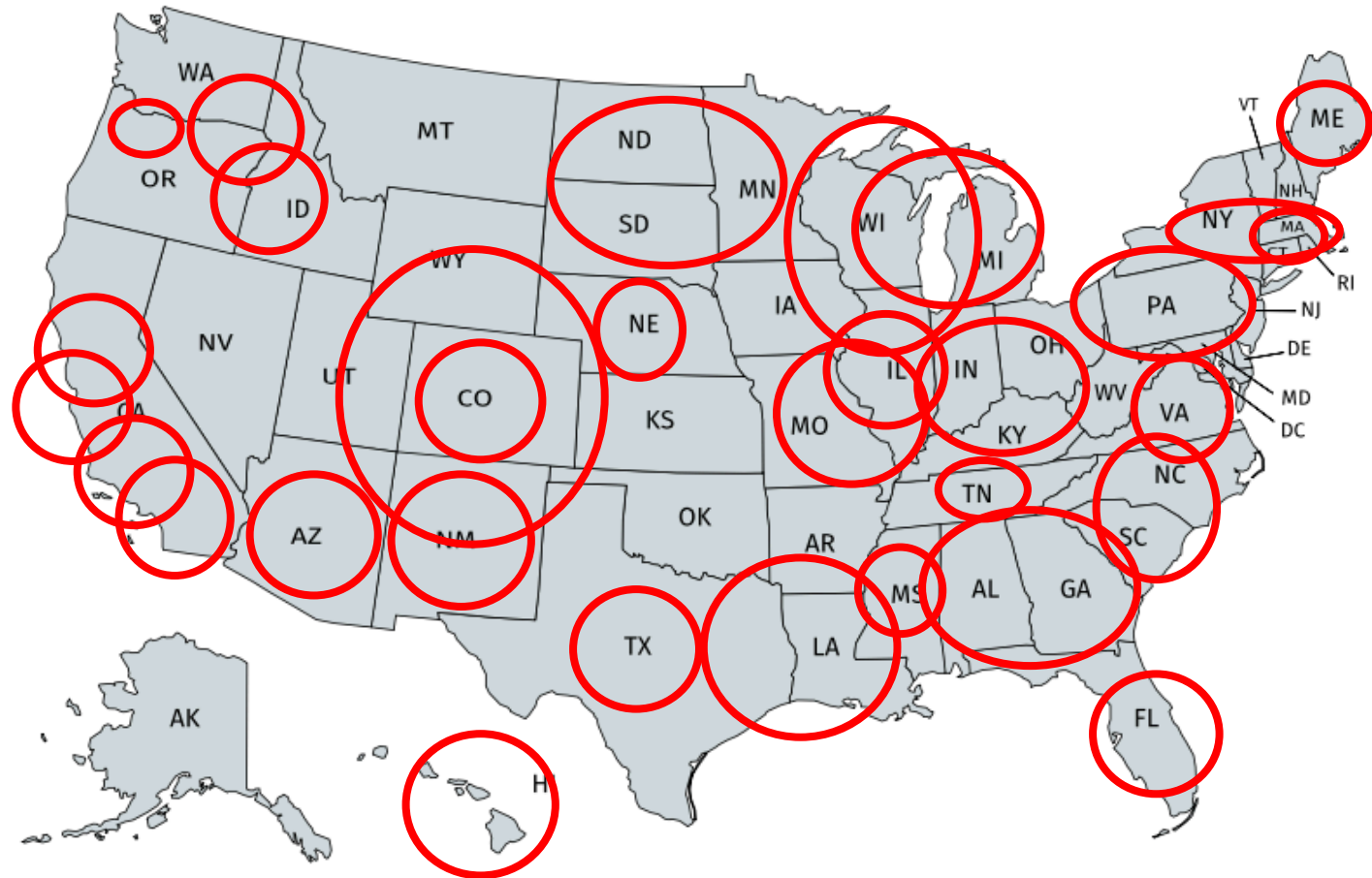


Photo: Bonneville Power Administration

## Gasoline



# Many Utilities Have Pledged to Become Net Zero Emitters



# Advancing Clean Energy in Oregon

*An Interdisciplinary Project of the University of Oregon's  
Environment Initiative*

**January 6, 2021** | **10:00 am to 4:00 pm**

Join us online to explore the future of clean energy in Oregon. This live event will examine the 100% clean electricity requirements established in other states and research updates from the faculty of the University of Oregon.



# Thank You

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