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America's Pledge and Subnational Action

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AMERICA'S PLEDGE

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The Paris Agreement produced an international framework focused on country commitments

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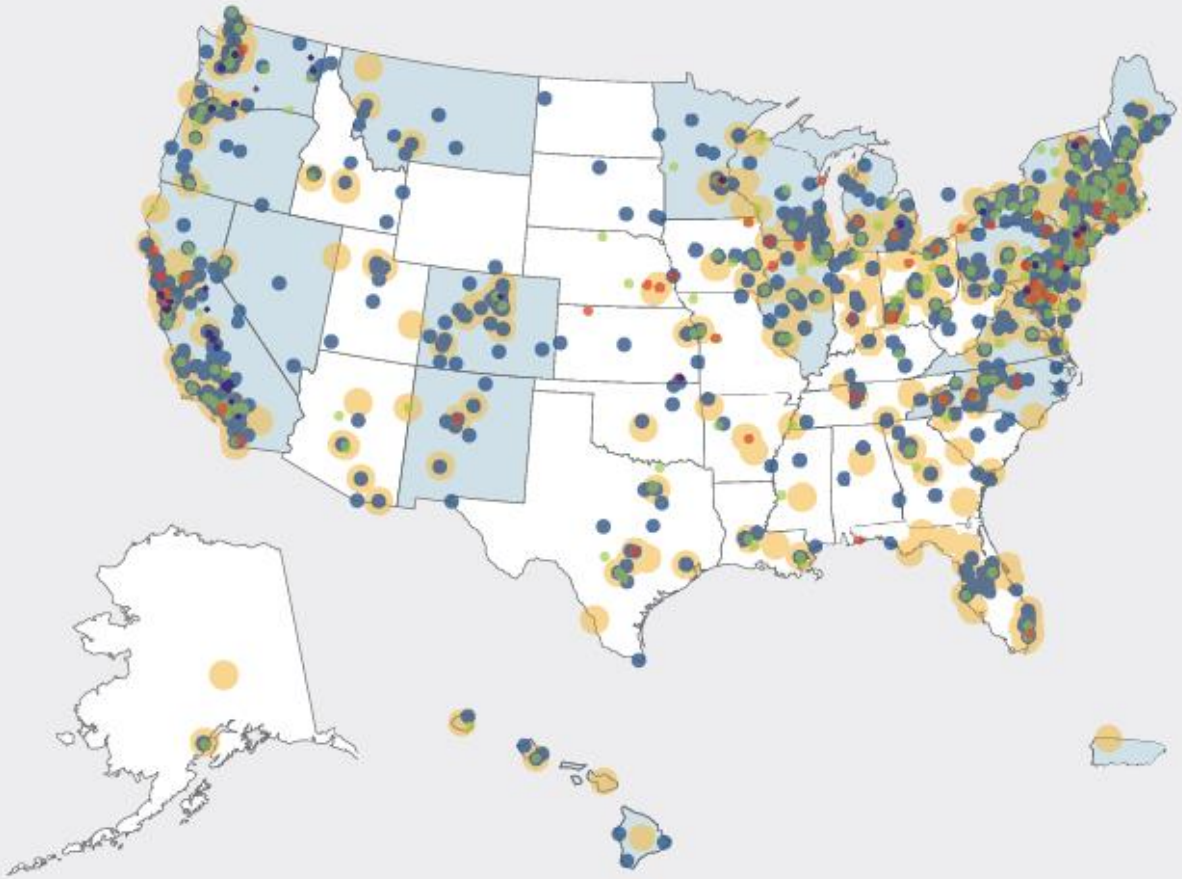
As noted in **his June 1, 2017 remarks**, President Trump made the decision to withdraw from the Paris Agreement because of the unfair economic burden imposed on American workers, businesses, and taxpayers by U.S. pledges made under the Agreement. The United States has reduced all types of emissions, even as we grow our economy and ensure our citizens' access to affordable energy. Our results speak for themselves: U.S. emissions of criteria air pollutants that impact human health and the environment declined by 74% between 1970 and 2018. U.S. net greenhouse gas emissions dropped 13% from 2005-2017, even as our economy grew over 19 percent.

2019 U.S. coalition of climate actors



- States (25)
- Cities, Counties and Tribes (534)
- Businesses and Investors (2,008)
- Faith-Based and Cultural Organizations (981)
- Universities (400)
- Healthcare Organizations (38)

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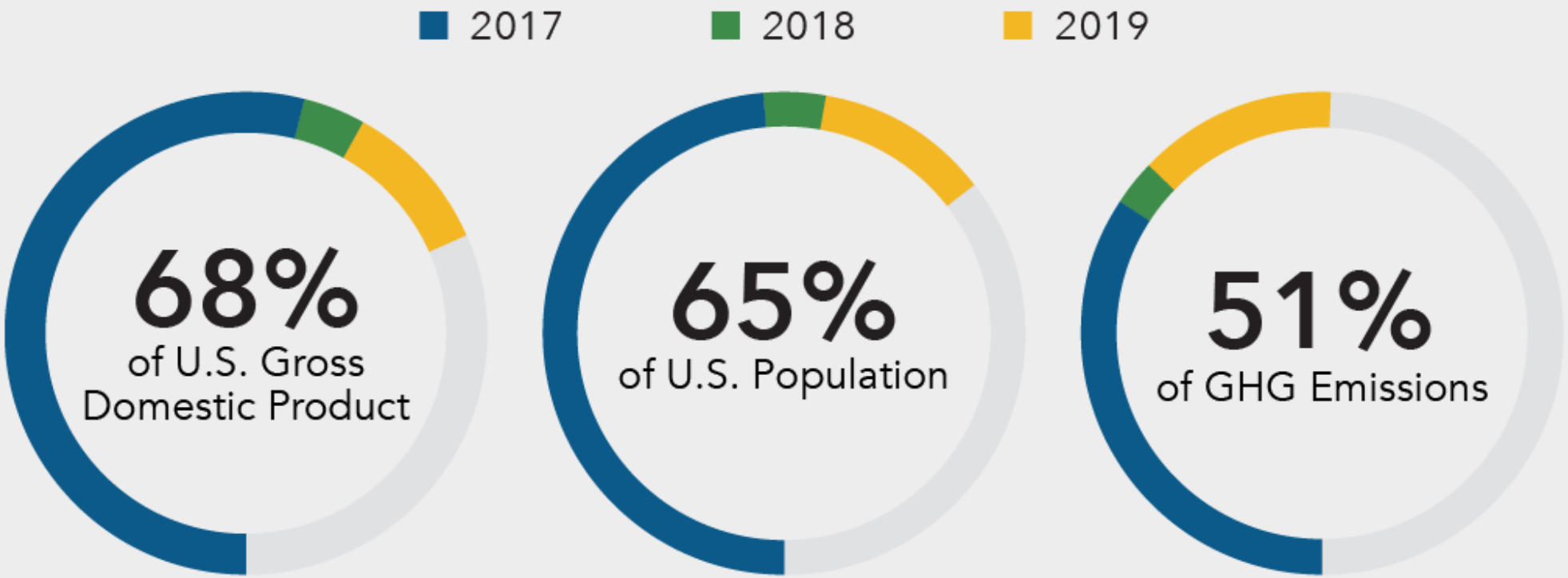
U.S. coalitions committed to climate action to meet the Paris Agreement goals now represent nearly 70% of U.S. GDP, nearly two-thirds of the U.S. population, and over half of U.S. greenhouse gas emissions.



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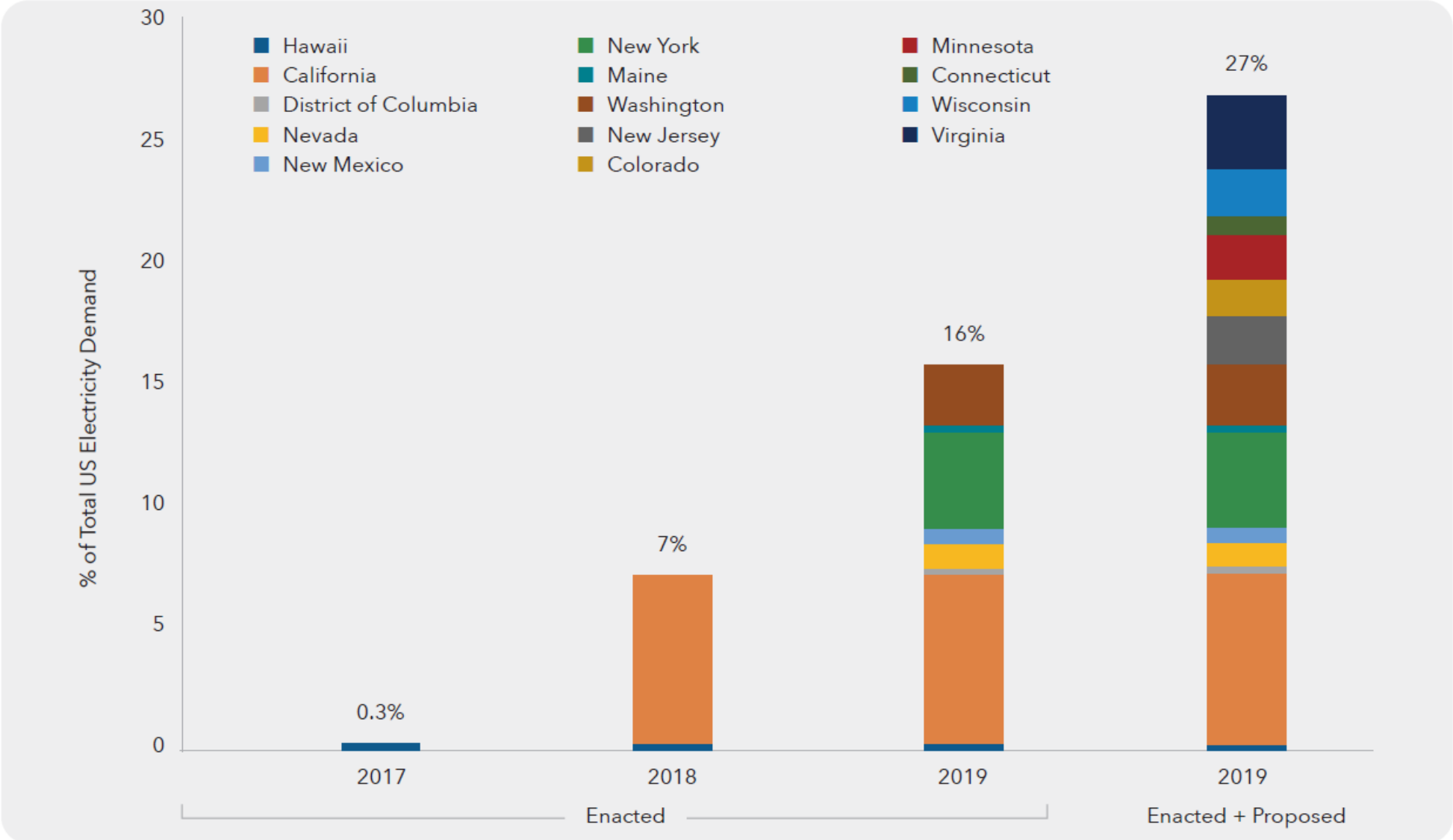
In 2019 states that have enacted 100% clean electricity goals into legislation account for 16% of the U.S. electricity demand.



If executive orders and governor's proposals supporting 100% clean electricity in other states are all enacted into law, these goals will reach 27% of the electricity demand.

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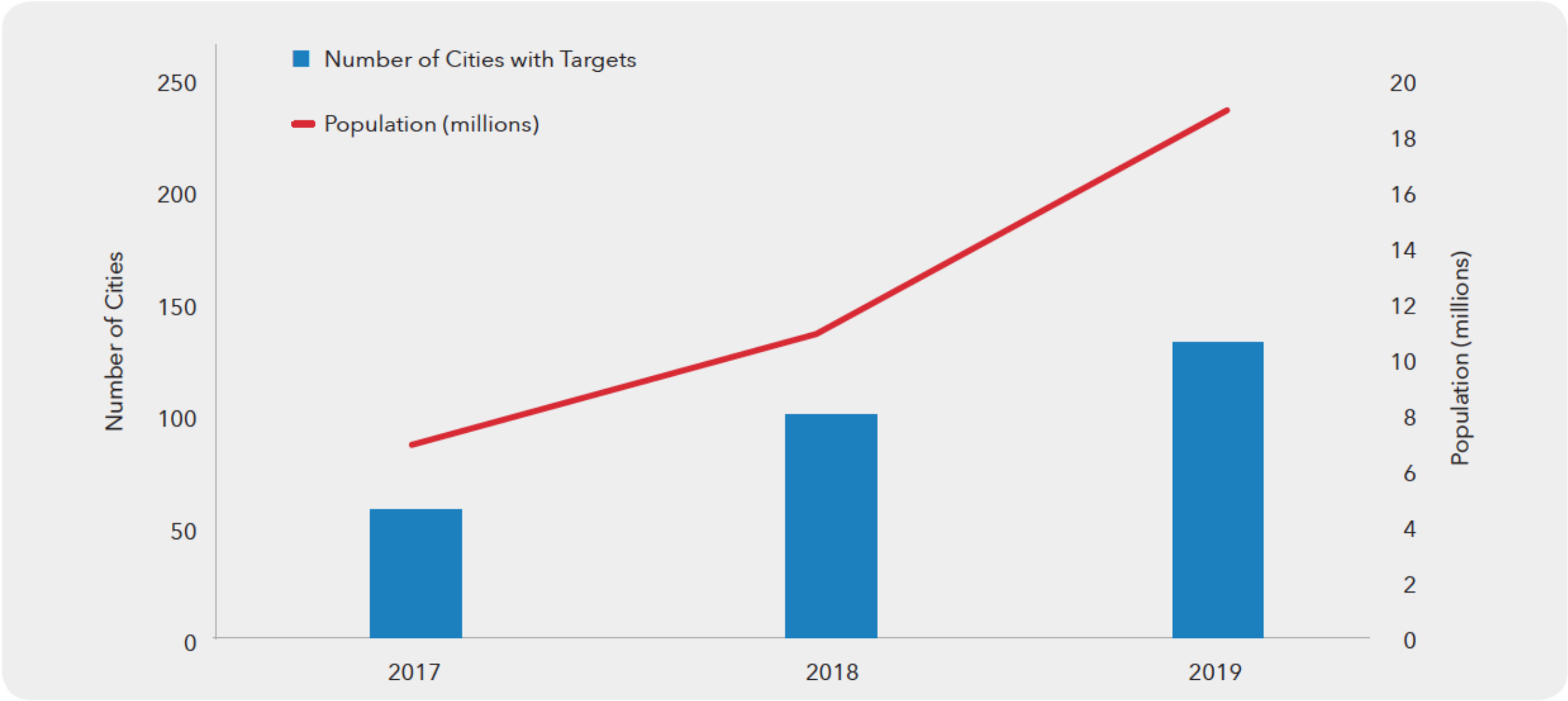
In 2019, 133 American cities had 100% clean energy or clean electricity targets, with a population of 19 million.

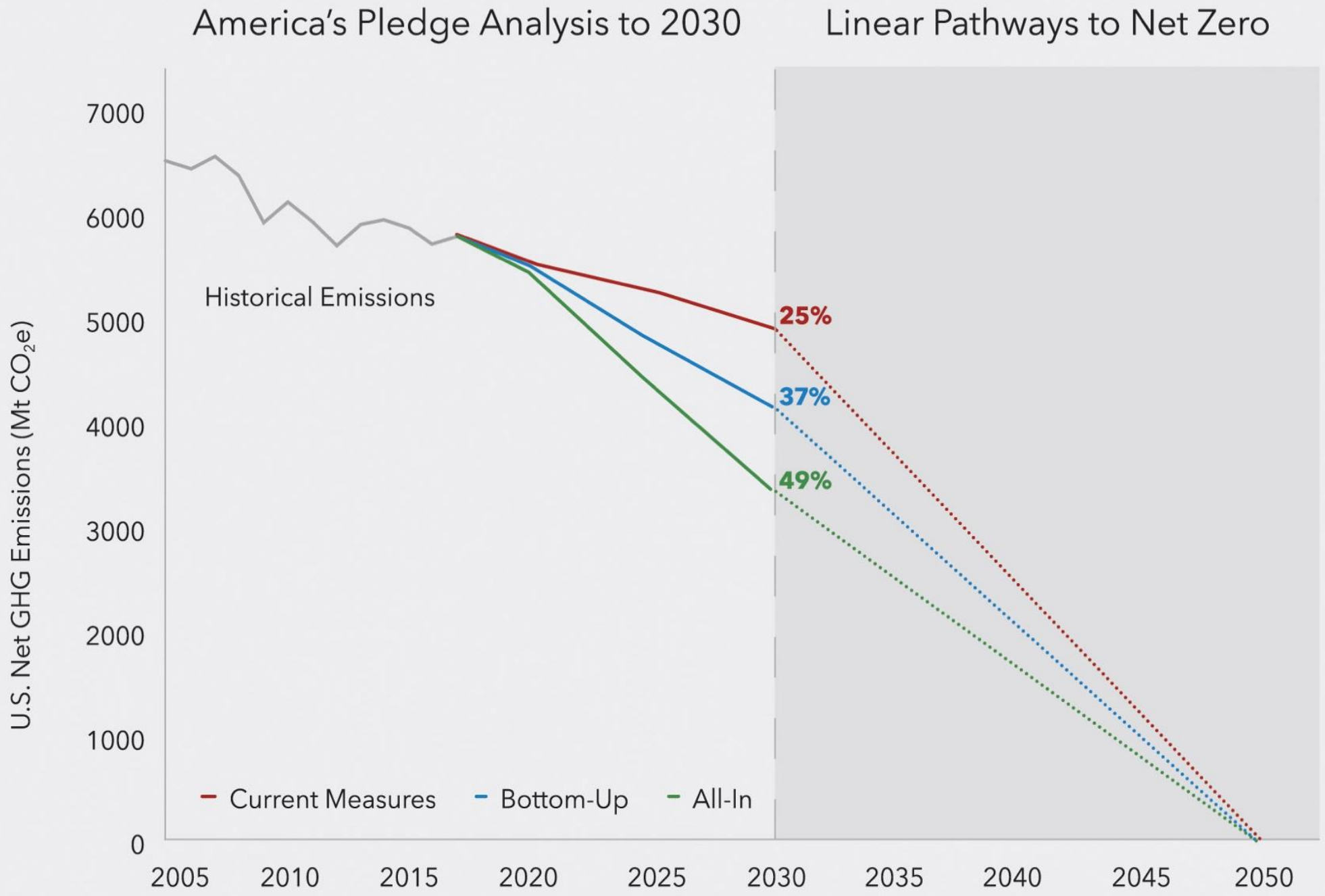


Accelerating America's Pledge assesses opportunities for U.S. reductions in 2030

1. **Current Measures Scenario –** highlighting that progress is already underway based on the projected impact of commitments "on the books"
2. **Bottom-up Scenario** - What happens when successful state, local, and business policies and actions are applied broadly?
   - Tier 1: First-movers – adopt most ambitious policies on the books
   - Tier 2: Fast-followers – adopt moderately ambitious policies
   - Tier 3: Slow-followers – little or no action
3. **All-in Scenario** - What happens when ambitious new federal policies are layered on Bottom-up scenario?

The Bottom-Up Scenario: 2030 Strategy Platform

Accelerate toward 100% Clean Electricity	Decarbonize Buildings, Transportation & Industry	Enhance Ecosystem Carbon Storage
Leading States: • 60% renewable electricity • No more coal plants • Peak and then reduce reliance on gas • Reduced methane emissions **Fast Follower States** incorporate more modest renewable standard and slow gas builds Market trends and advocacy constrain coal and gas across the country, including in remaining states	**Leading States:** • New buildings 100% electric • Appliances replaced by electric at end-of-life • 2% EE improvement annually • EVs = 2/3 new car sales • ICE performance increased 4% annually • Energy management, electrification, CCUS in industry • HFCs phased down per Kigali Amendment **Fast Follower States** go roughly half as far. Remaining states make little progress.	**Leading States** incentivize low-cost natural climate solutions, such as: • Natural forest management • Optimal nutrient application • Use of cover crops Land carbon sink improved 11% compared to today


America's Pledge Analysis to 2030
Linear Pathways to Net Zero
U.S. Net GHG Emissions (Mt CO_2e)
7000
6000
5000
4000
3000
2000
1000
0
2005
2010
2015
2020
2025
2030
2035
2040
2045
2050
Historical Emissions
25%
37%
49%
Current Measures
Bottom-Up
All-In

Thank You