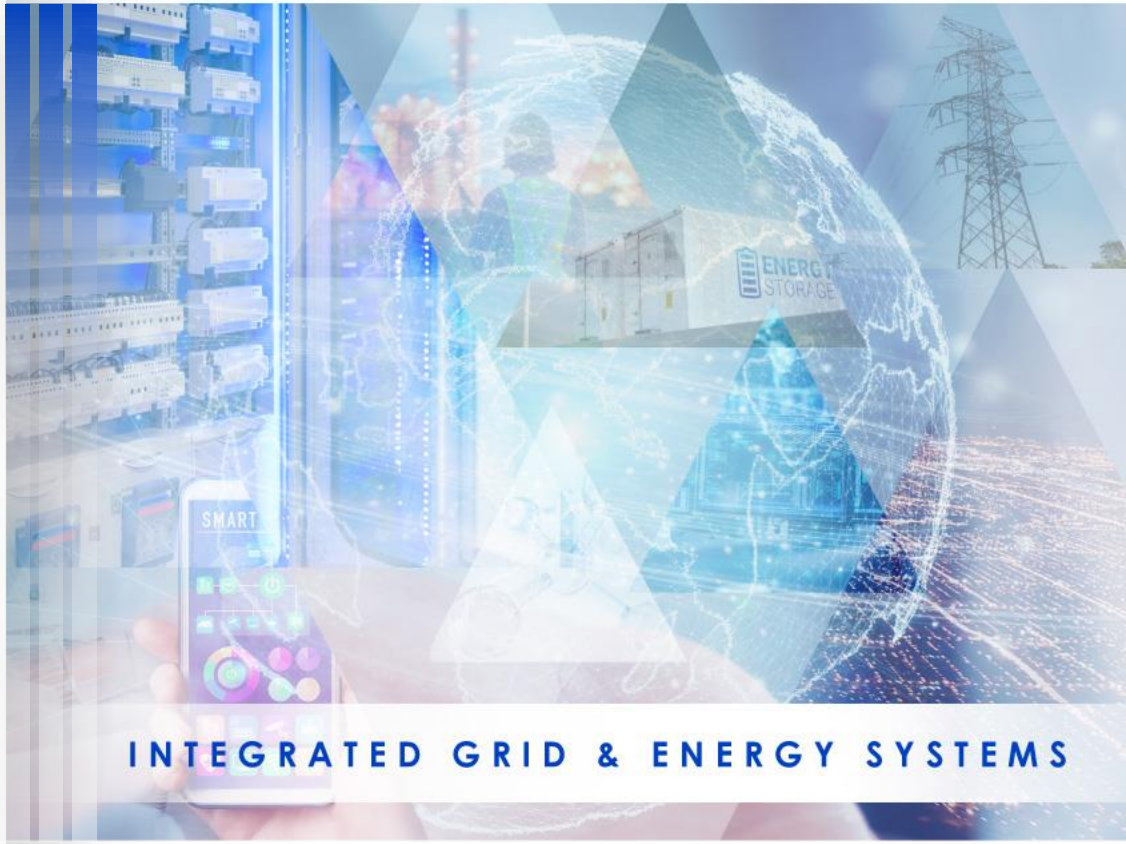
U.S. Carbon Emission Outlook

Declining Emissions, State/Local/Corporate Action, and Federal Policy Uncertainty

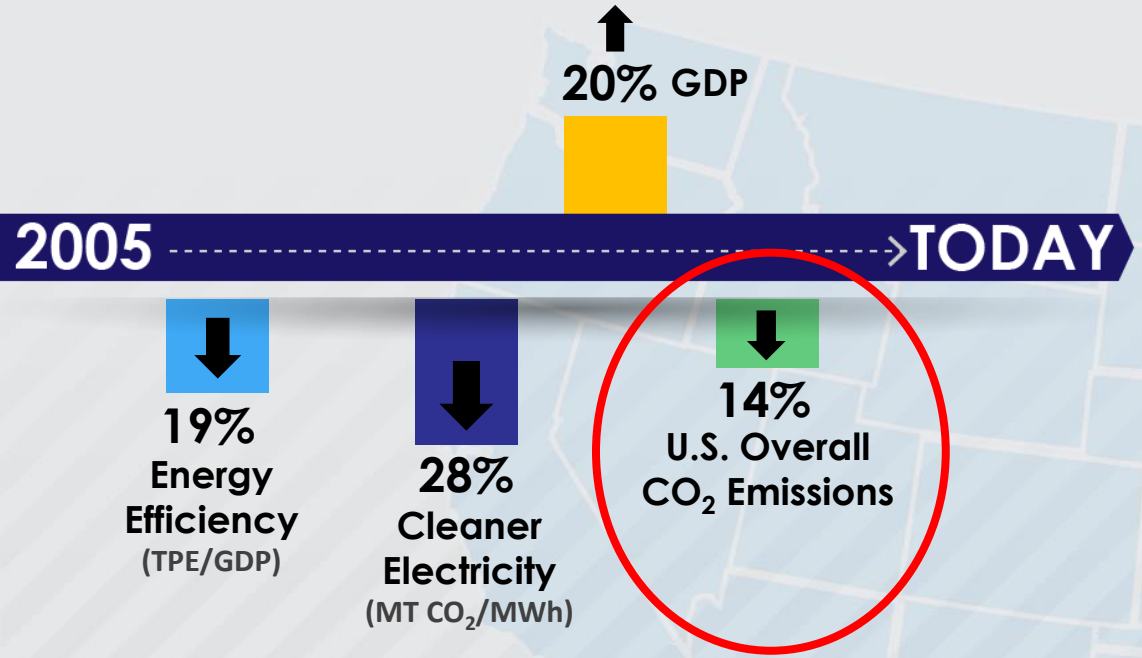
Tom Wilson
Principal Technical Executive, Energy & Climate Systems Analysis



21 October 2020

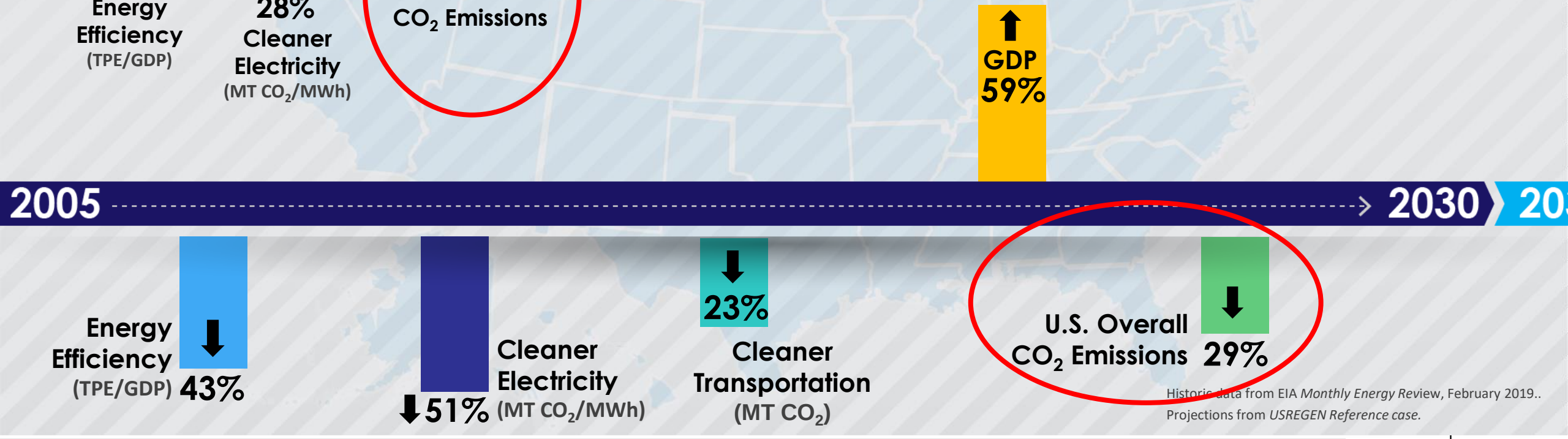
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U.S. CO_2 Emissions Have Declined since 2005 (pre-pandemic) and Are Projected by EPRI to Continue to Decline



Key Factors Driving Reductions:

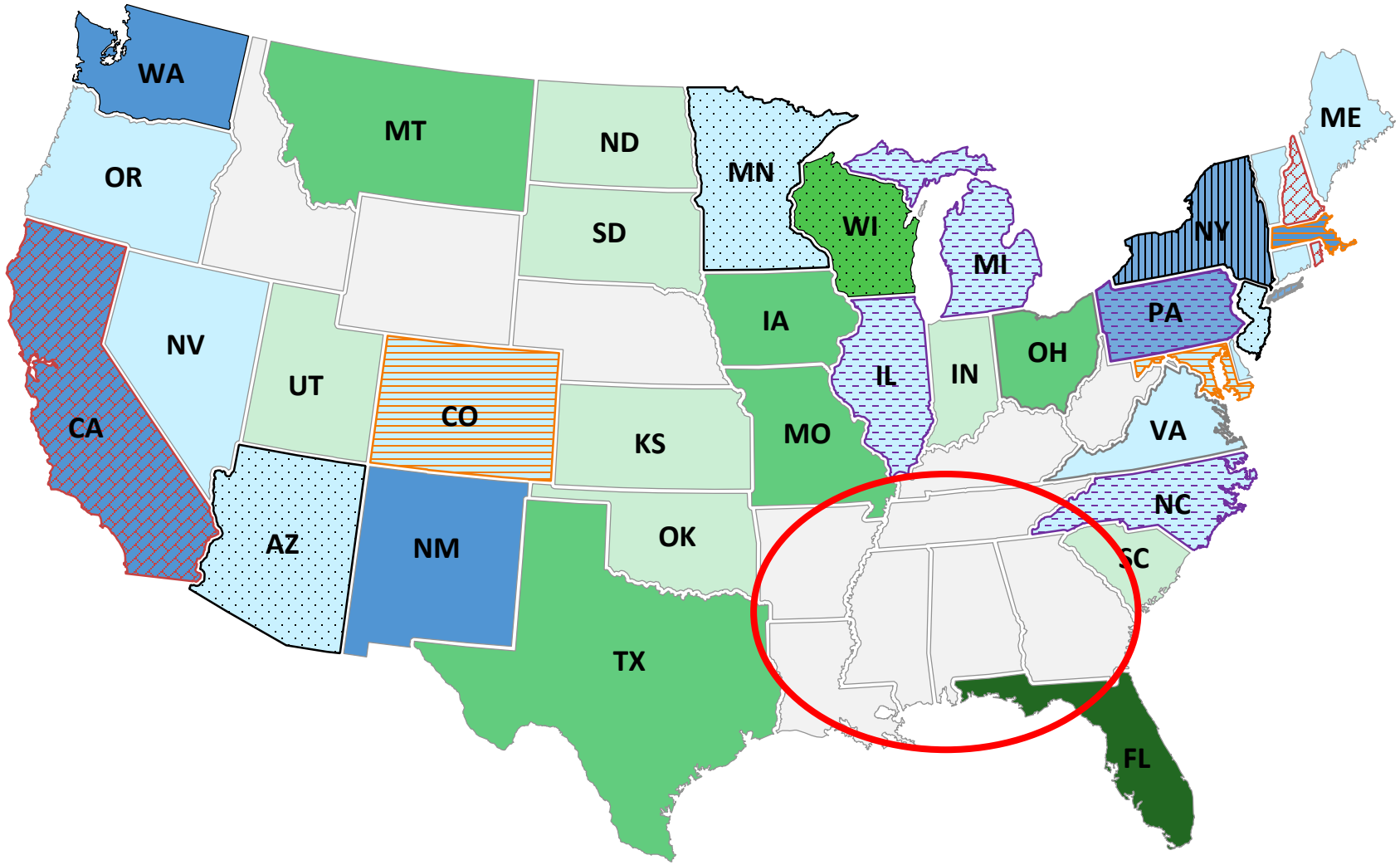
- Efficiency
- Cleaner Electricity – Gas, Renewables
- Transport electrification
- State policies



Historic data from EIA *Monthly Energy Review*, February 2019..
Projections from *USREGEN Reference case.*

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Proposed/Pending State Renewable, Clean Energy & GHG Targets

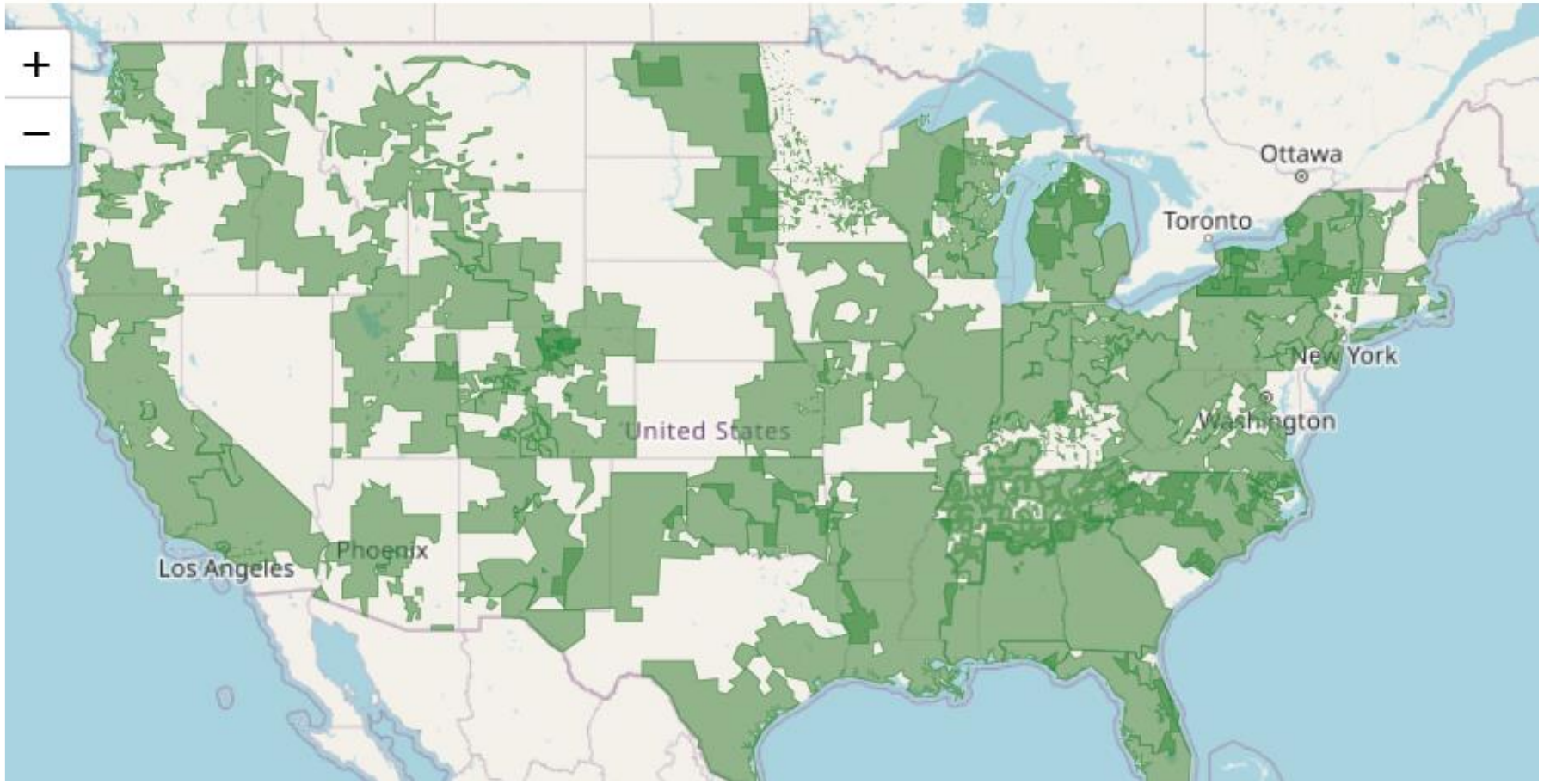


Existing	Proposed / Pending
Renewable Portfolio Goal Only	
	N/A
Renewable Portfolio Standard Only	
GHG Target Only	
RPS & GHG Targets	
Clean Energy & GHG Targets	
Clean Energy Target Only	
N/A	

Update: Jul 2020

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Electric Utilities with CO_2 Reduction Goals



Of the top 20 U.S. utility CO_2 emitters in 2019:

- 16 have voluntary GHG targets
- Another committed to "100% renewable"

Source: Smart Electric Power Alliance (SEPA)

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2020 Election Day – November 3 – Will Influence Next Steps

- Trump executive decisions would be reversed by Biden
  - Paris Climate Agreement participation
  - Federal legal actions to limit state climate actions

- Legislative prospects – climate and/or green stimulus -- depend on the election outcomes for Senate and House of Representative in addition to the President



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