

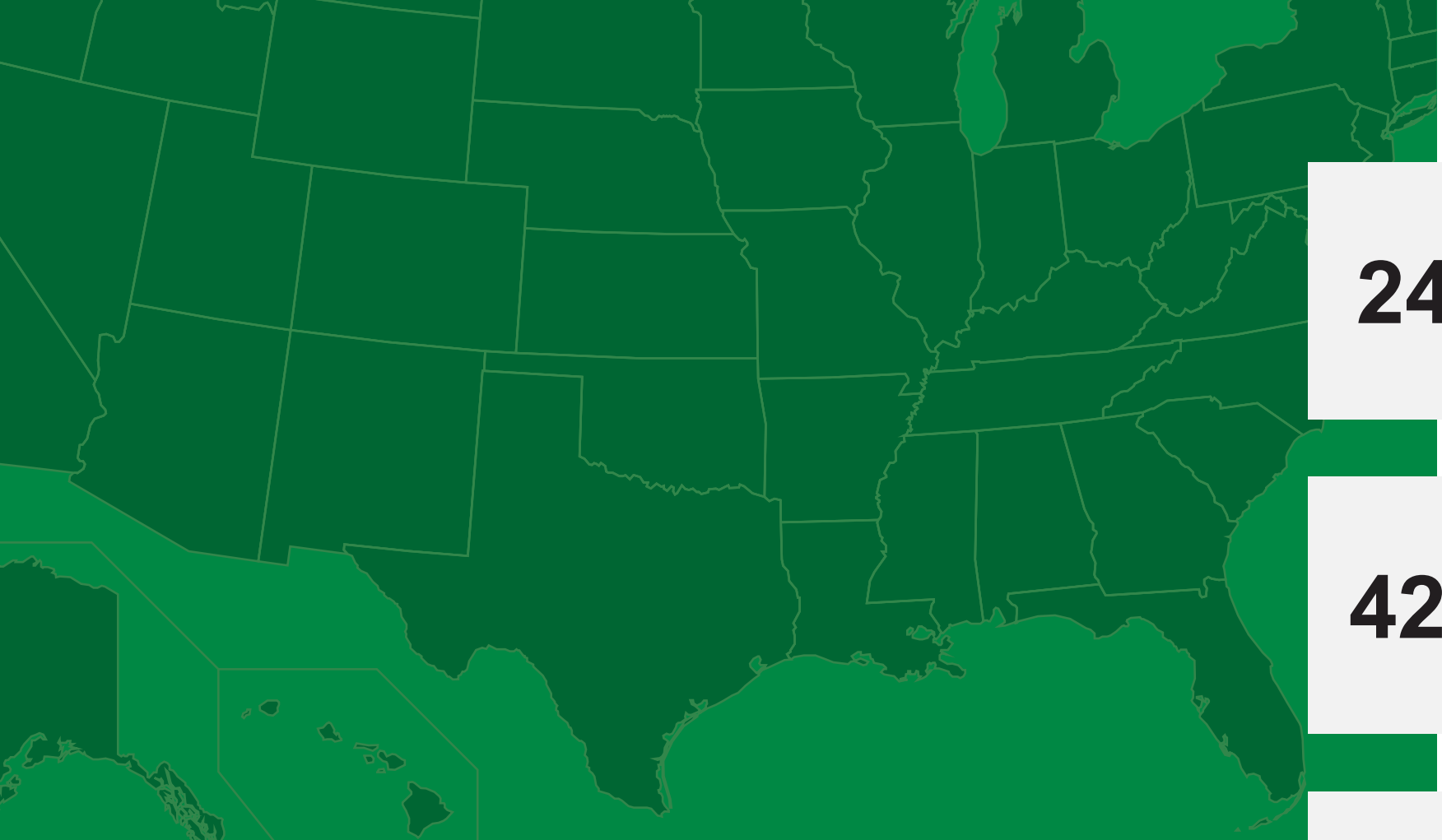
# WRI'S ELECTRIC SCHOOL BUS INITIATIVE

Electric  
School Bus  
INITIATIVE





**WRI is a global research organization working to improve people's lives, protect nature and halt climate change.**



# The Status of School Bus Electrification in California

**24K**

**24,325** school buses in California

**42%**

**>10,000 buses** are 2009 models or older  
Most are diesel or gasoline

**3k**

**3,424** electric buses committed in the state

**12.6%**

**Electric share** of new school bus purchases

**33**

**Districts** with ~\$200M in unmet demand last year

# Reducing electricity rates for everyone

Electric vehicles can decrease electricity prices for everyone by better utilizing the existing grid and spreading costs across more electric customers, without the need for significant grid investment.



From 2011-2024 EV drivers in California contributed **\$8.91 billion more** in utility revenues than their associated electric system costs

When revenues  $\uparrow$  more than costs  $\uparrow$   $\Rightarrow$  electricity rates  $\downarrow$

# Appendix

Higher upfront costs

Infrastructure development

Learning new technology

Technology myths

Needs to scale quickly

These disproportionately impact underserved communities

# Challenges Facing Electrification

# Why Electrify School Buses?

Electrification can accelerate decarbonization while bringing other direct, tangible benefits to every community.



**Improved health** and cognitive outcomes for children



**Cleaner air** than with diesel buses, especially in communities of color



**Reduced operating expenses** for school districts



**New jobs** in green manufacturing



A **tipping point** for MHD + electrification



Enhanced **resiliency** and **renewables integration** with V2G

# Bus total cost of ownership (TCO)

After incentives, the TCO for electric school buses can be **hundreds of thousands of dollars less** than the TCO of a diesel-burning school bus.

