54.5 Miles Per Gallon Moving America Forward

Roland J. Hwang Natural Resources Defense Council





J J MILES PER GALLON

MOVING AMERICA FORWARD

ROLAND HWANG NATURAL RESOURCES DEFENSE COUNCIL

SAE Government/Industry Conference Washington, D.C. JANUARY 26, 2012

54.5 BENEFITS OF STRONGER STANDARDS, MY 2012-2025

2030

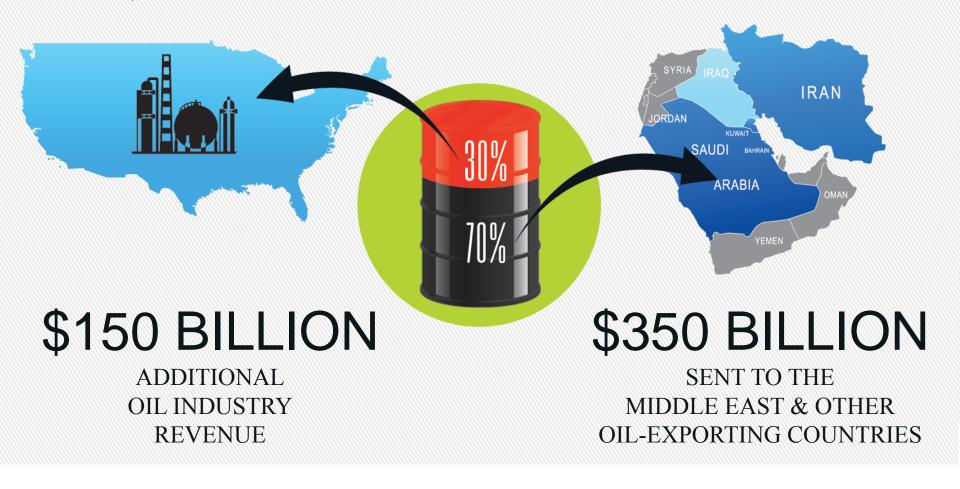
SAVES DRIVERS \$125 BILLION DOLLARS

cuts oil imports by 1/3rd CUTS CO₂ POLLUTION EQUAL TO 90 MILLION CARS

NET SAVINGS INCLUDING COST OF FUEL SAVINGS TECHNOLOGIES 50 BILLION GALLONS OR 3.3 MILLION BARRELS PER DAY

EQUIVALENT TO 150 COAL POWER PLANTS

WHERE WILL WE CHOOSE TO INVEST \$500 BILLION?

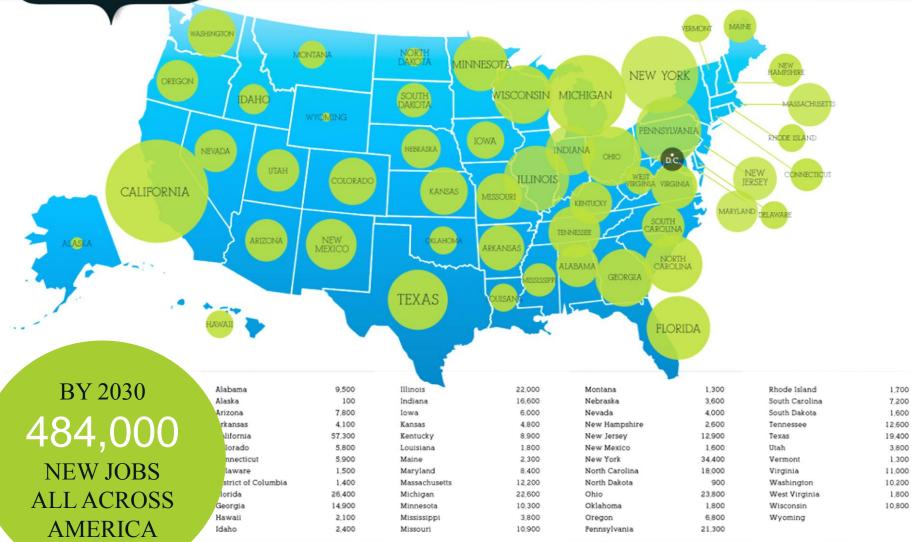


WHERE WILL WE CHOOSE TO INVEST \$500 BILLION?

\$300 BILLION

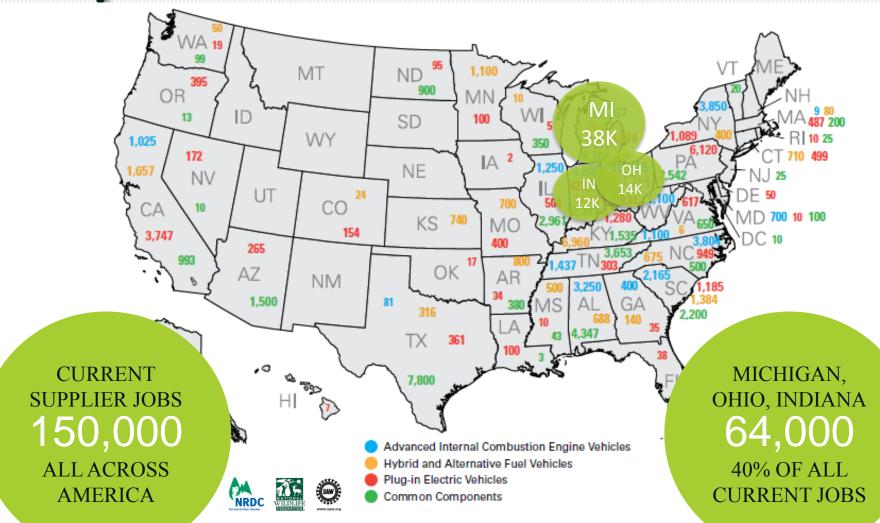
TO U.S. AUTO INDUSTRY FOR ADDITIONAL TECHNOLOGY \$200 BILLION TO U.S. CONSUMERS

HALF A MILLION NEW JOBS



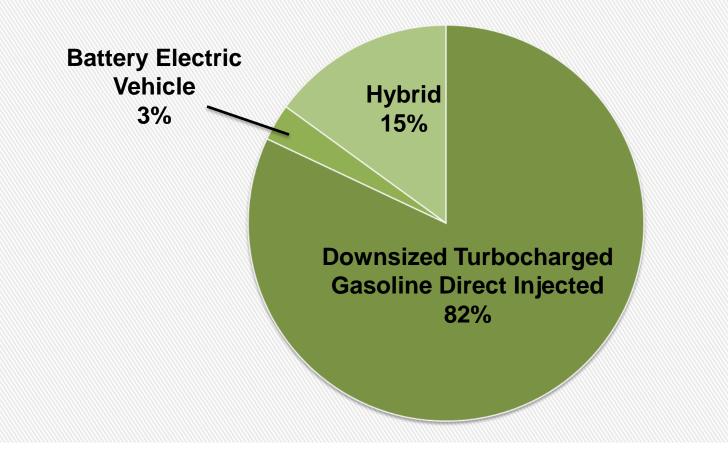
Source: Roger Bezdek, Jobs per Gallon, a Ceres study, July 2011

545 CURRENT JOBS IN FUEL EFFICIENCY SUPPLY CHAIN



Source: UAW, NRDC & NWF, Supplying Ingenuity, August 2011

STANDARD CAN BE MET PRIMARILY WITH GASOLINE ENGINES

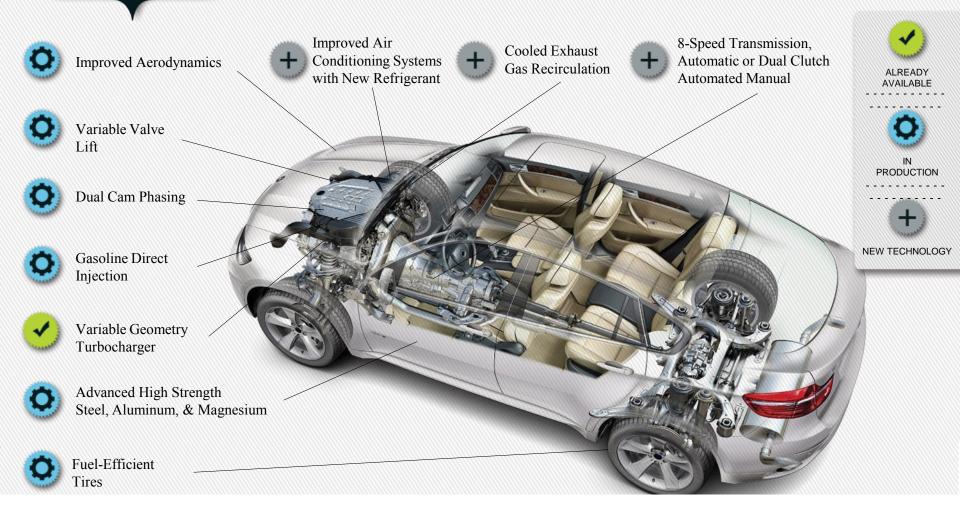


Source: EPA and NHSTA, Regulatory Impact Analysis, Proposed 2017-2025 Standards

>

WE CAN DO IT WITH KNOWN TECHNOLOGY

54.5 MPG CAN BE MET WITH 82% GASOLINE TURBO ENGINES, 15% HYBRIDS & 3% ELECTRIC CARS



Source: EPA and NHSTA, Regulatory Impact Analysis, Proposed 2017-2025 Standards

54.5 CONSUMER POCKETBOOK SAVINGS

SAVE \$4400OVER THE LIFE OF THE VEHICLE



Source: EPA and NHSTA, Notice of Proposed Rulemaking, 2017-2025 Standards

CONSUMER POCKETBOOK SAVINGS IMMEDIATE MONTHLY COST SAVINGS

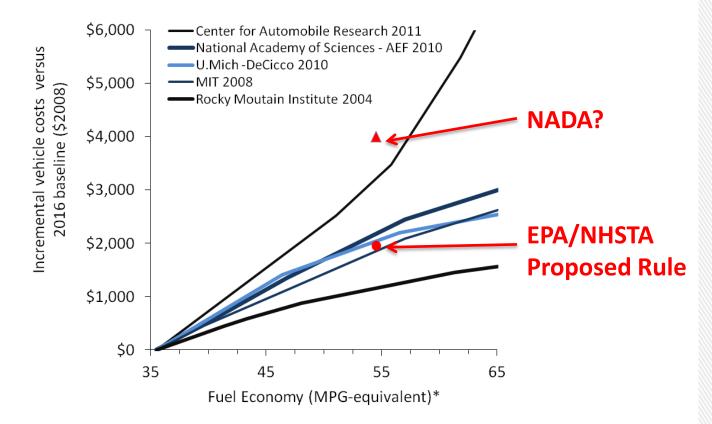
SAVE \$140

FIRST YEAR OWNERSHIP

Source: EPA and NHSTA, Notice of Proposed Rulemaking, 2017-2025 Standards



54.5 EPA/NHSTA CONSISTENT WITH OTHER INDEPENDENT STUDIES

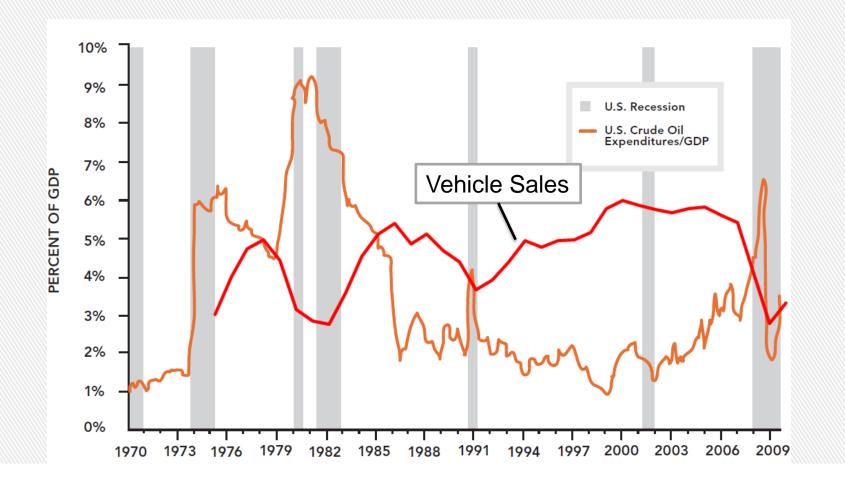


* The nominal MPGe value refers to the value obtained on the regulatory test cycle if all CO_2 reductions occur from fuel economy improvements. A credit for A/C improvements is included that results in CO_2 reductions, but would not actually translate into MPG improvements.



OIL PRICES IMPACT ON SALES

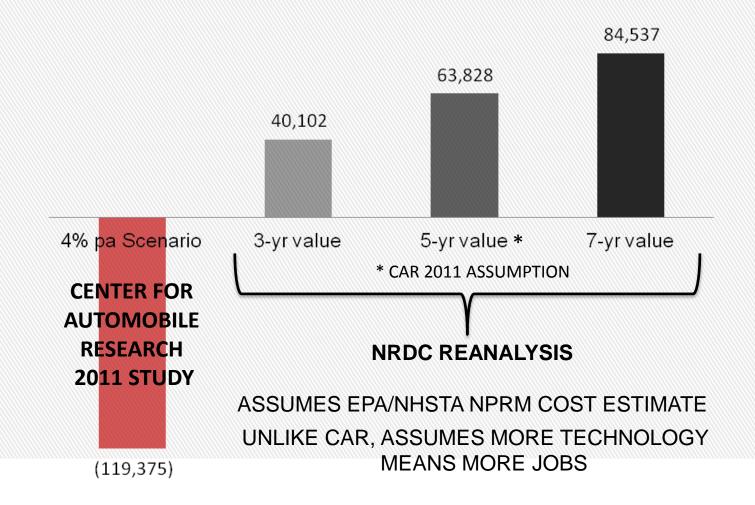
HIGHER FUEL EFFICIENCY HELPS INSULATE ECONOMY FROM HIGH AND VOLATILE OIL PRICES





DIRECT JOB CREATION

AUTO SECTOR ONLY. ~10X MULTIPLIER FOR OTHER INDUSTIES, INDIRECT AND INDUCED



MOVING AMERICA FORWARD

Rep. John D. Dingell

"We're celebrating something that has taken a long time to reach. There appears to be no significant opposition amongst responsible persons." **Bob King, President UAW** "The proposed rules are sensible, achievable, and needed. They are good for the auto industry and its workers, good for the broader economy, good for the environment and good for our national security."

MOVING AMERICA FORWARD

