

GENERAL MOTORS

THE FUTURE OF

ELECTRIC MOBILITY

Britta Gross
GM, Director Advanced Vehicle
Commercialization Policy



GM is committed
to a future of:

ZERO CRASHES

ZERO EMISSIONS

ZERO CONGESTION

CREATING THE FUTURE OF PERSONAL MOBILITY WITH EVs

Electric



Chevrolet Bolt EV
238 mile range

1st affordable long-range EV

Autonomous



Cruise Automation

All AVs will be EVs

Shared



Maven

900 Bolt EVs in 7 cities

2.4mil passengers since Feb '17

Connected



OnStar

>13 million connected vehicles

EV insights: driving and charging



COMMITMENT TO THE FUTURE

GENERAL MOTORS

At least **20** new all-electric vehicles
will launch by **2023**



EV ADOPTION IS MANDATORY

Enablers:

- Battery Technology
- Consumer Acceptance

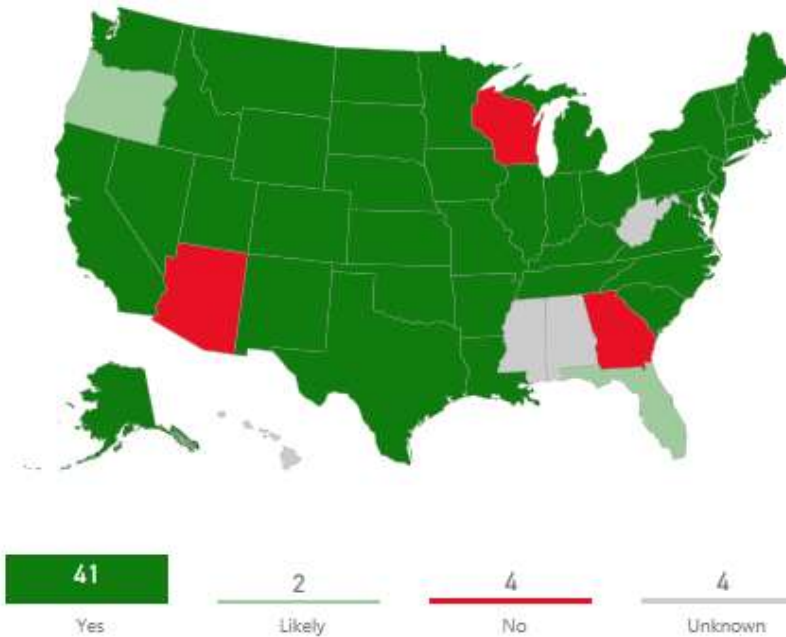
INFRASTRUCTURE PROGRESS IN THREE MAJOR AREAS

Electrify America (operational in 2019)



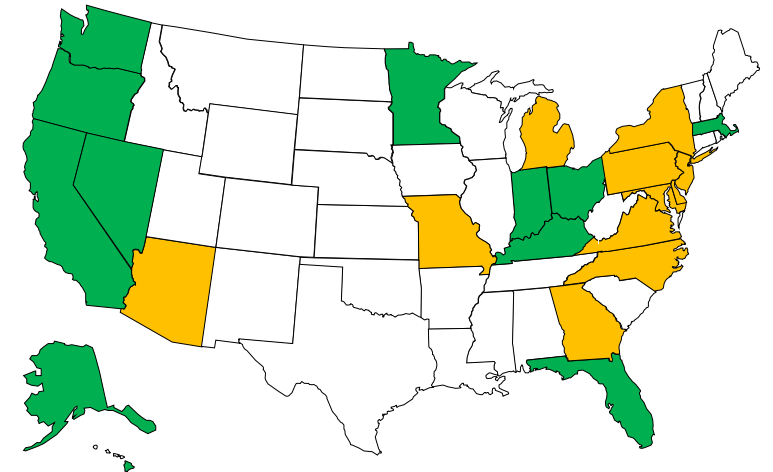
- Part of a \$2Bil investment
- National EV Charging Network
 - 300 DC Highway Sites (1,500 plugs)
 - 785 DC/L2 Metro Sites (3,500 plugs)

State Appendix “D” Funds



- \$435mil infrastructure opportunity

Utility Investment (filings approved and pending)



- \$1B approved (EV-related)
 - 560 DC; 88,000 L2
- \$1B pending regulator approval
 - 501 DC; 84,000 L2

What You Can Do: Building a Seamless System out of a Patchwork of Initiatives

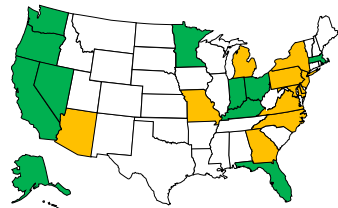
Infrastructure



Electrify America
(operational in 2019)



VW App'x "D" Funds



Utility Investment

- Home, Work, Public (highway, urban, key destination) ... "Story-telling"

Policy



- Vehicle Incentives – federal and state
- HOV Lane Privileges
- Building Codes
- Fleet purchase commitments

Education & Outreach



- Build Awareness
- Ride & Drives (experiential)
- Utilities as trusted 3rd parties
- Drive Consumer Demand

Advanced transportation technologies can not be introduced without a thriving EV market foundation



Thank You!

Bolt EVs at GM's Lake Orion Assembly Plant (MI)