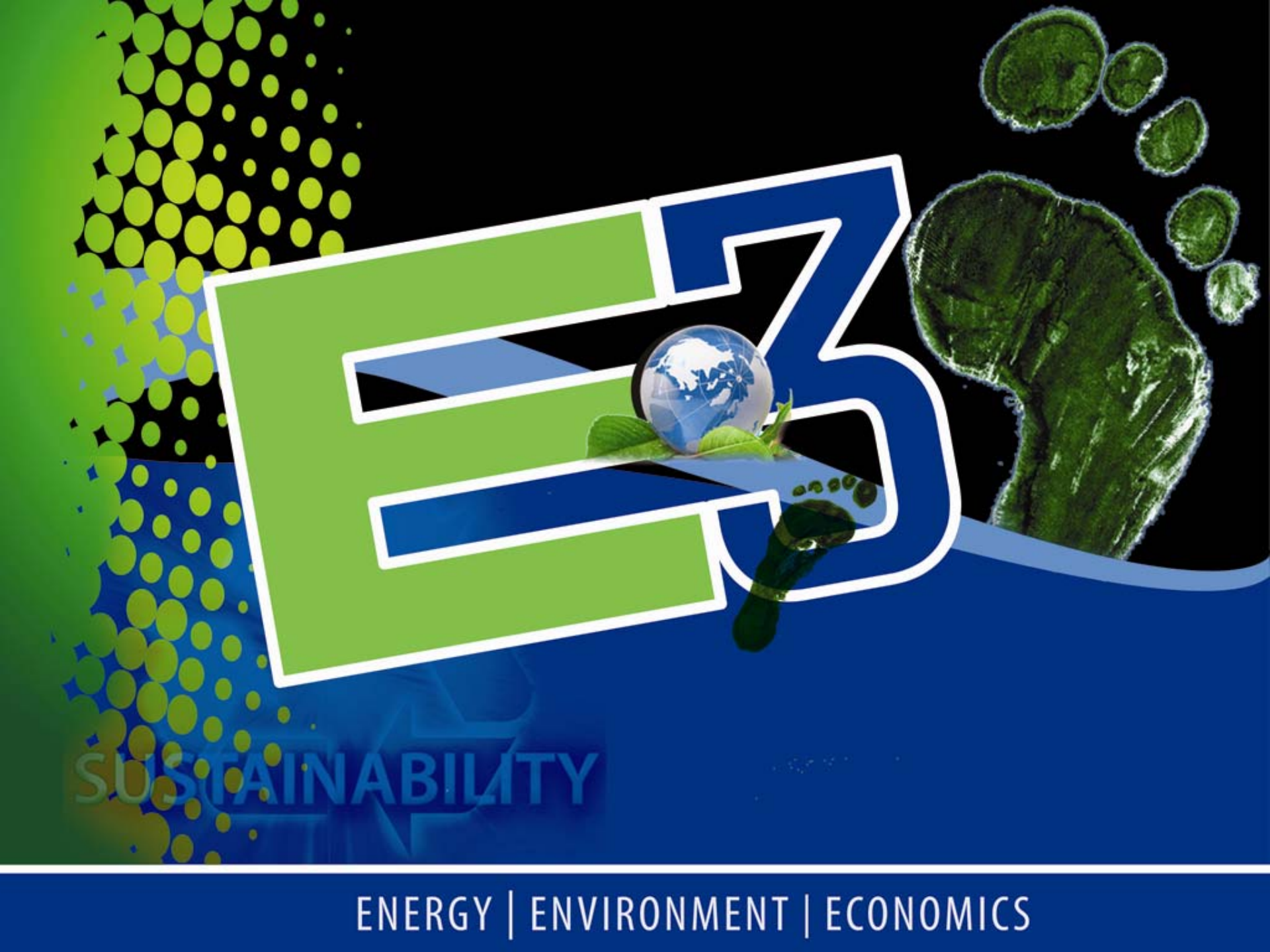

SUSTAINABILITY
ENERGY | ENVIRONMENT | ECONOMICS

Nissan's Zero Emissions Future

Nancy Mansfield
EV Regional Manager,
Nissan North America, Inc.

September 17, 2010

zero Emission

Nissan LEAF – Product Highlights

- Zero emission
- Affordable
- Stimulating acceleration
- Quietness
- 100-mile range sufficient for daily use
- Advanced intelligent transportation (IT) system

Size	**5-door compact hatchback**
Capacity	**5 Adults**
Range	**100 miles (US LA4)**
Top Speed	**90 mph**
Battery	**Laminated Li-ion**
Capacity / Power	**24 kWh / over 90kW**
Motor	**High-response synchronous AC Motor (80kW / 280Nm)**
IT System	**Integrated communication system**

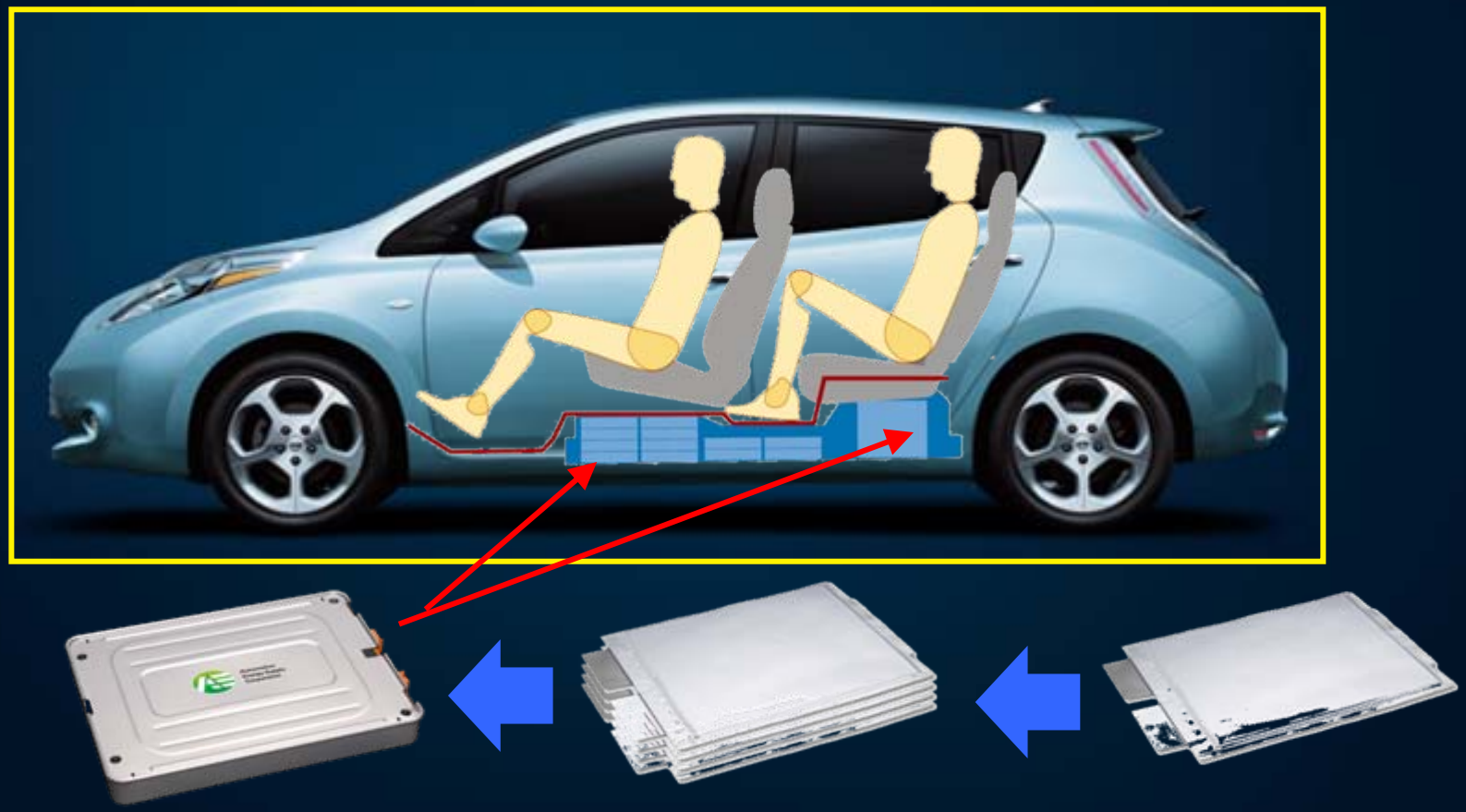
Superior Battery Technology

Nissan LEAF 8-year, 100,000 Mile Battery Warranty

zero Emission

Superior Battery Technology

- Places batteries in the safest location
- Provides optimum weight distribution for ideal/predictable handling
- Allows for 5 passenger seating by not intruding into cabin space



Advanced User Interface Aids
Range Management

Why 100 Mile Range?

On average 95% of the U.S. population drives less than 100 miles a day

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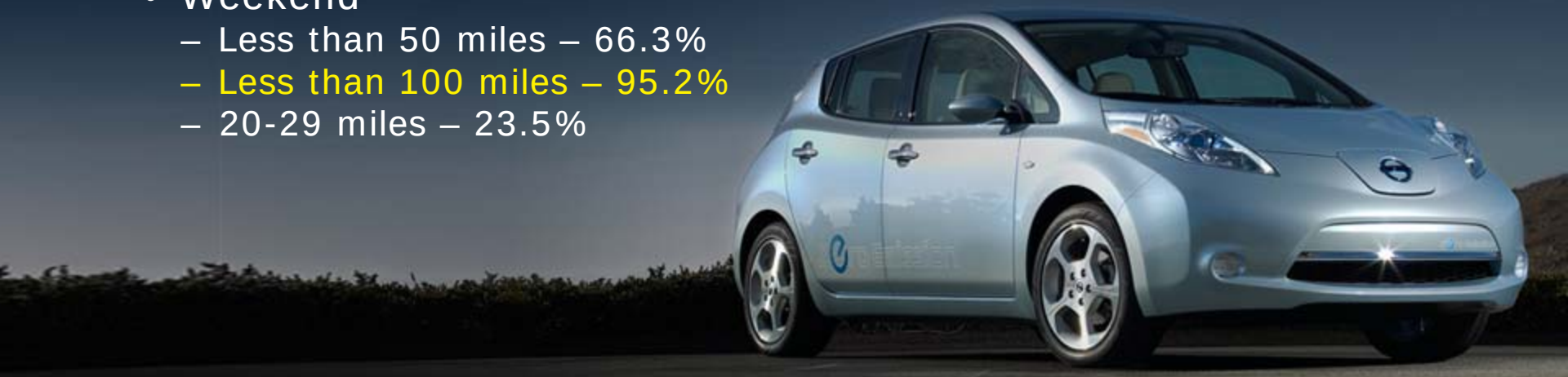
Typical consumer driving patterns:

- Weekday
  - Less than 50 miles - 72.4%
  - Less than 100 miles – 94.9%
  - 5-10 miles – 26.5%

- Weekend
  - Less than 50 miles – 66.3%
  - Less than 100 miles – 95.2%
  - 20-29 miles – 23.5%



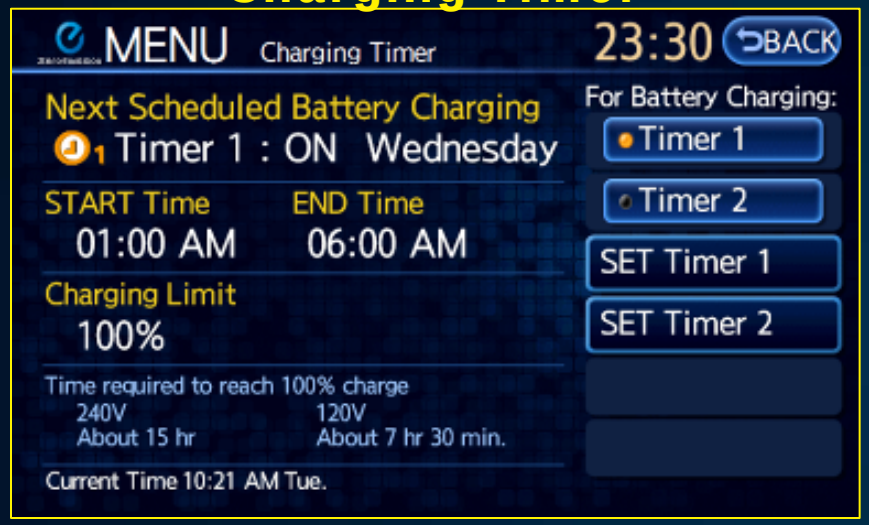
Reachable Area

Energy Consumption Monitoring

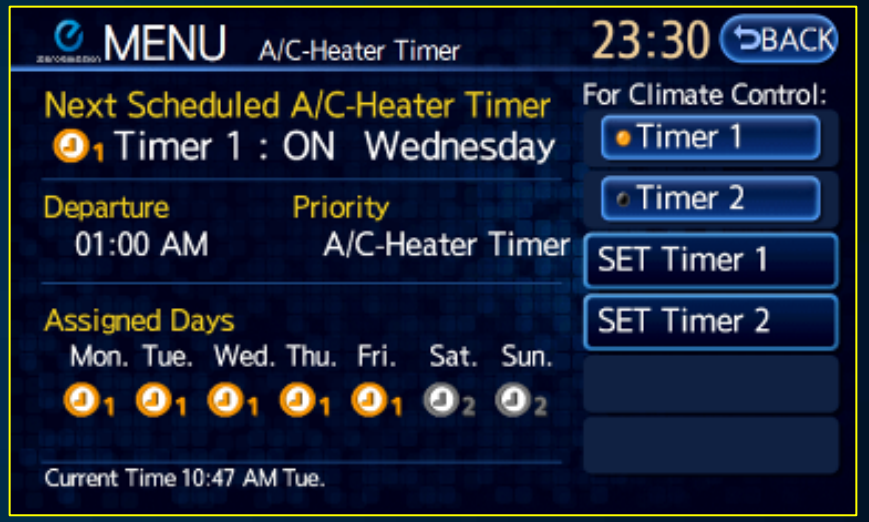
Charging Station Locations

Timer functions

Charging Timer



Climate Control Timer



Nissan LEAF: No Gas, No Tailpipe, No Compromise

zero Emission

Sustainable Mobility – Recycled Materials

Green-colored parts are recycled material from end-of-life products

Benefits To The Consumer

- True zero-emission vehicle
- Affordable pricing
- Lower Total Cost of Ownership than a comparable
  Internal Combustion Engine
- Lower maintenance costs than an ICE vehicle (Less complexity, no engine, no oil changes)

Cost Per Mile Comparison (15k miles)

- Car (good 25 mpg, $3/gal)
  = $0.12 per mile / $1,800
- EV (avg $0.11 kWh)
  = $0.026 per mile / $396
- Advantage exists even if gasoline drops below $1.10/gal

Making Zero Emissions Affordable

2011 Nissan LEAF – $25,280 after $7,500 Federal tax credit

- MSRP starting at $32,780
- Tax credit up to $2,000 available toward installation of personal charging dock

zero Emission

Nissan LEAF – When, How Many?

When?
- December 2010 – Retail release

How Many?
- 50K worldwide production capability in first year

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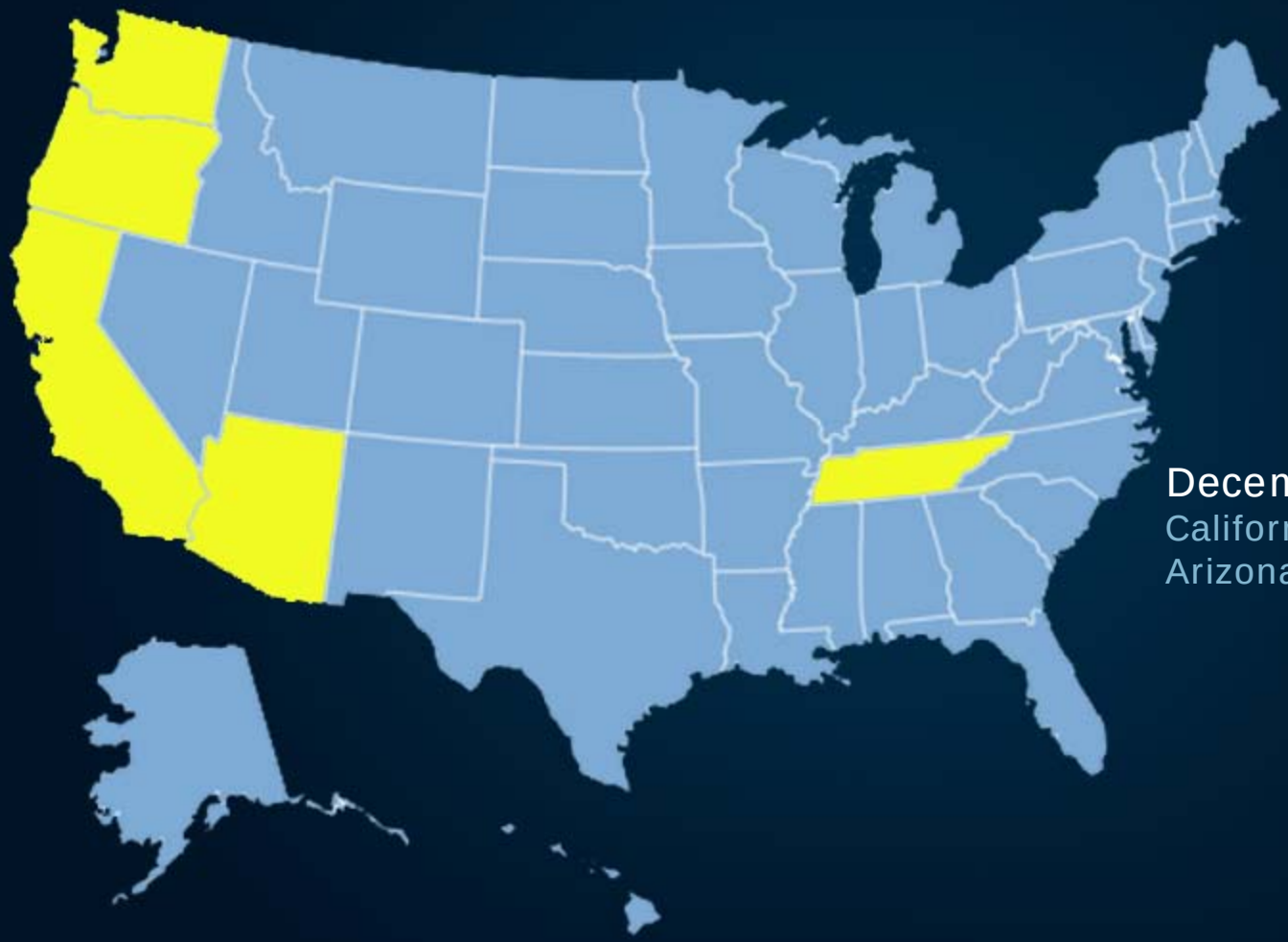
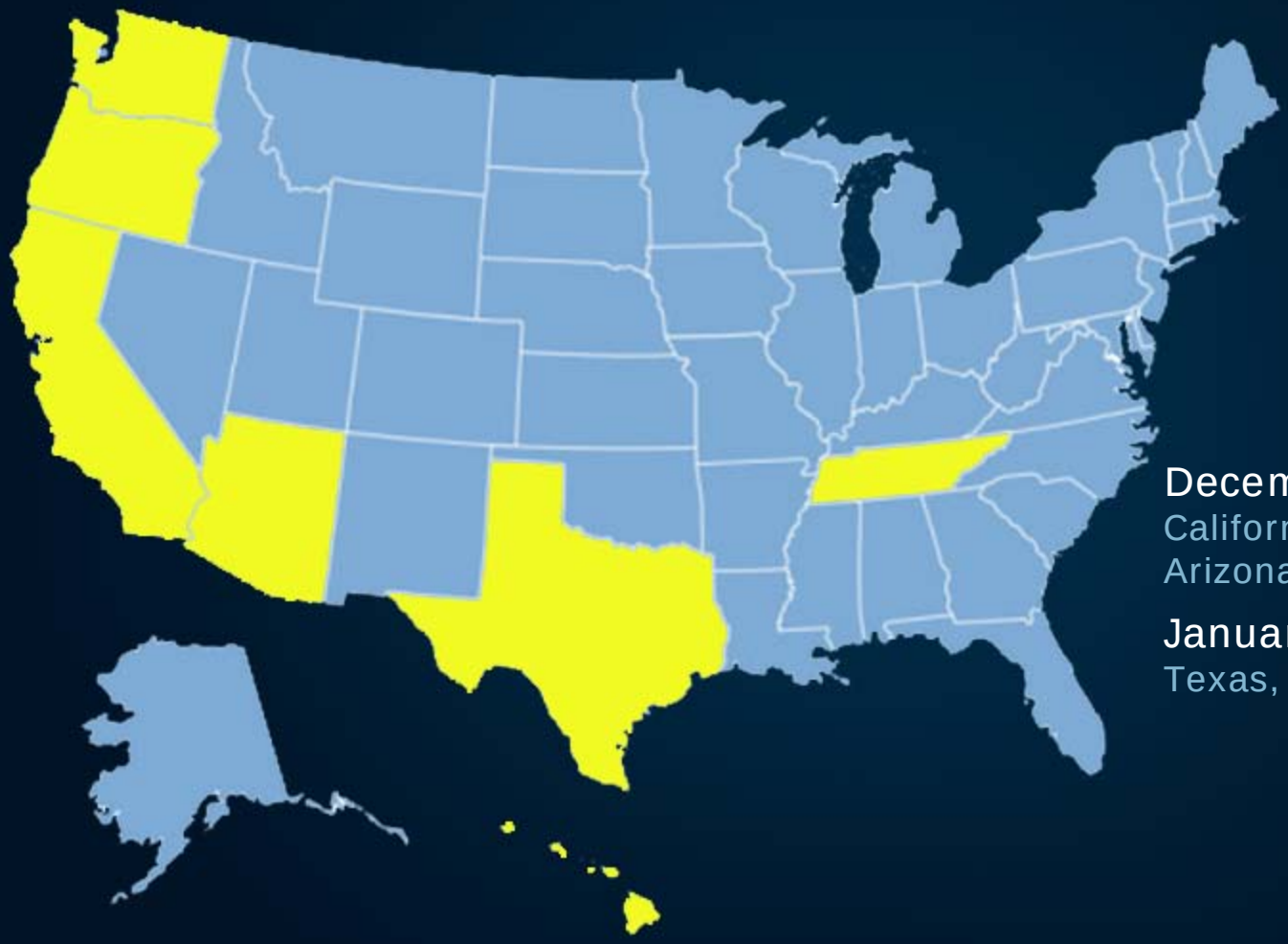
Nissan LEAF Market Rollout - December



December
California, Oregon, Washington, Arizona, Tennessee

zero Emission

Nissan LEAF Market - January



December
California, Oregon, Washington, Arizona, Tennessee

January
Texas, Hawaii

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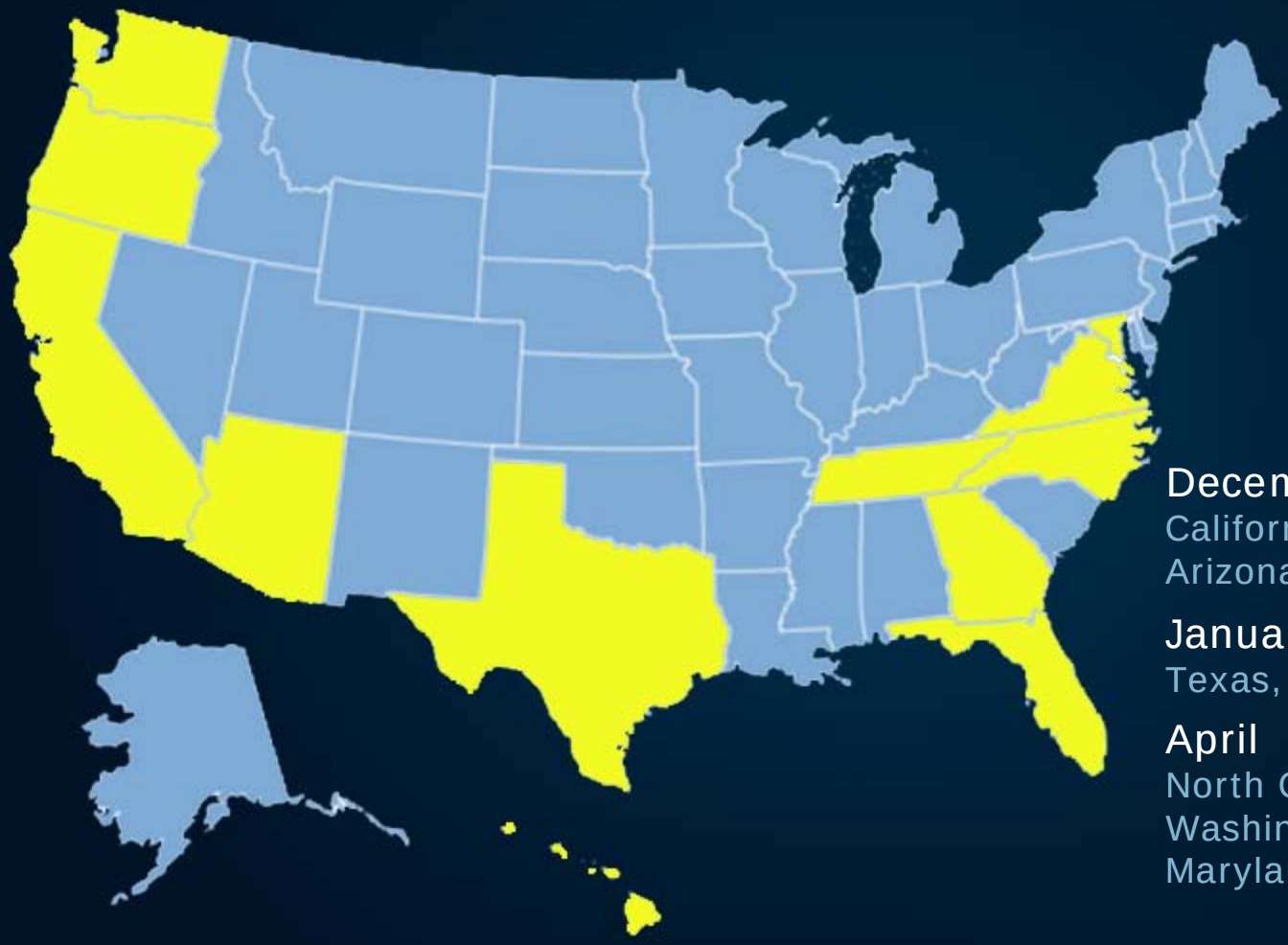
Nissan LEAF Market Rollout - April



December
California, Oregon, Washington, Arizona, Tennessee

January
Texas, Hawaii

April
North Carolina, Florida, Washington D.C., Virginia, Maryland, Georgia

zero Emission

Nissan LEAF Market Rollout - Nationwide

December
California, Oregon, Washington, Arizona, Tennessee

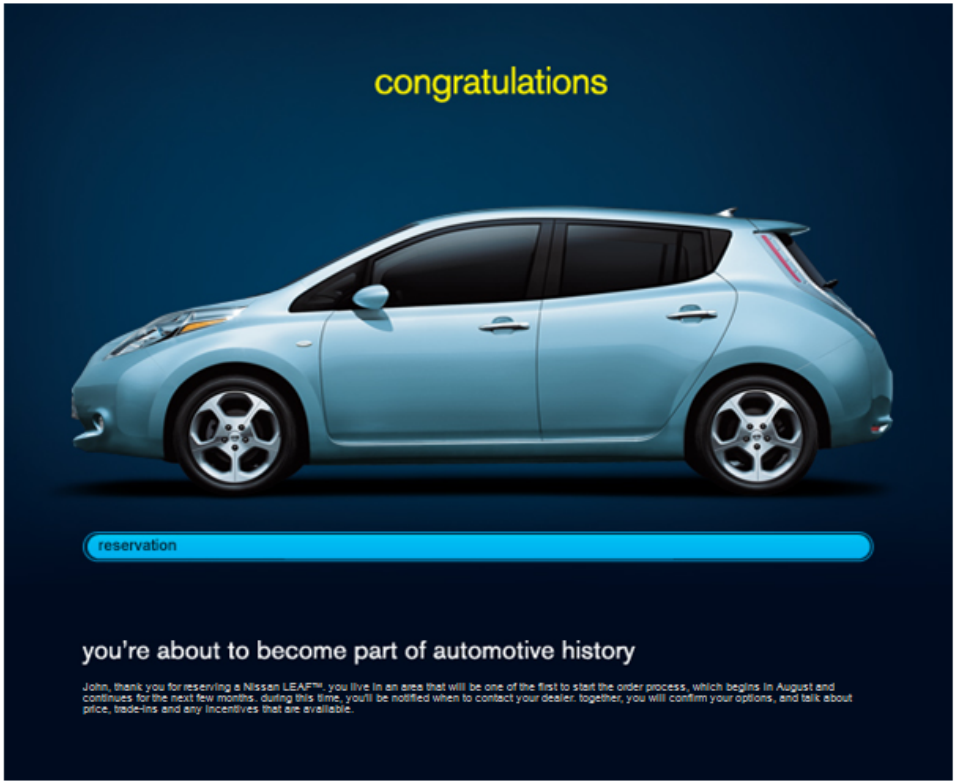
January
Texas, Hawaii

April
North Carolina, Florida, Washington D.C., Virginia, Maryland, Georgia

Fall 2011
Rest of Nation

zero Emission

19,000*
Reservations to Date



*as of 09/13/10

Getting to Mass-Market volumes

Localize production at facilities to serve key global markets

Smyrna, Tenn.: production begins in 2012

- Capacity: 200,000 battery packs; 150,000 Nissan LEAF vehicles

zero Emission

Secondary use of battery: 4Rs business

Nissan & Sumitomo Trading Corp partnering for secondary uses for Li-ion batteries

reuse

Reuse of high remaining capacity battery

refabricate

Repackaging number of pack for changing voltage and capacity for multiple purposes

resell

Resold for multiple purposes i.e. clean energy storage / back-up battery for disasters

recycle

Recycled to collect raw materials

Each Partner's Strengths
Can be leveraged

Nissan
- Electric Vehicle
- Battery Technology
- EV knowledge & support
- EV service and maintenance

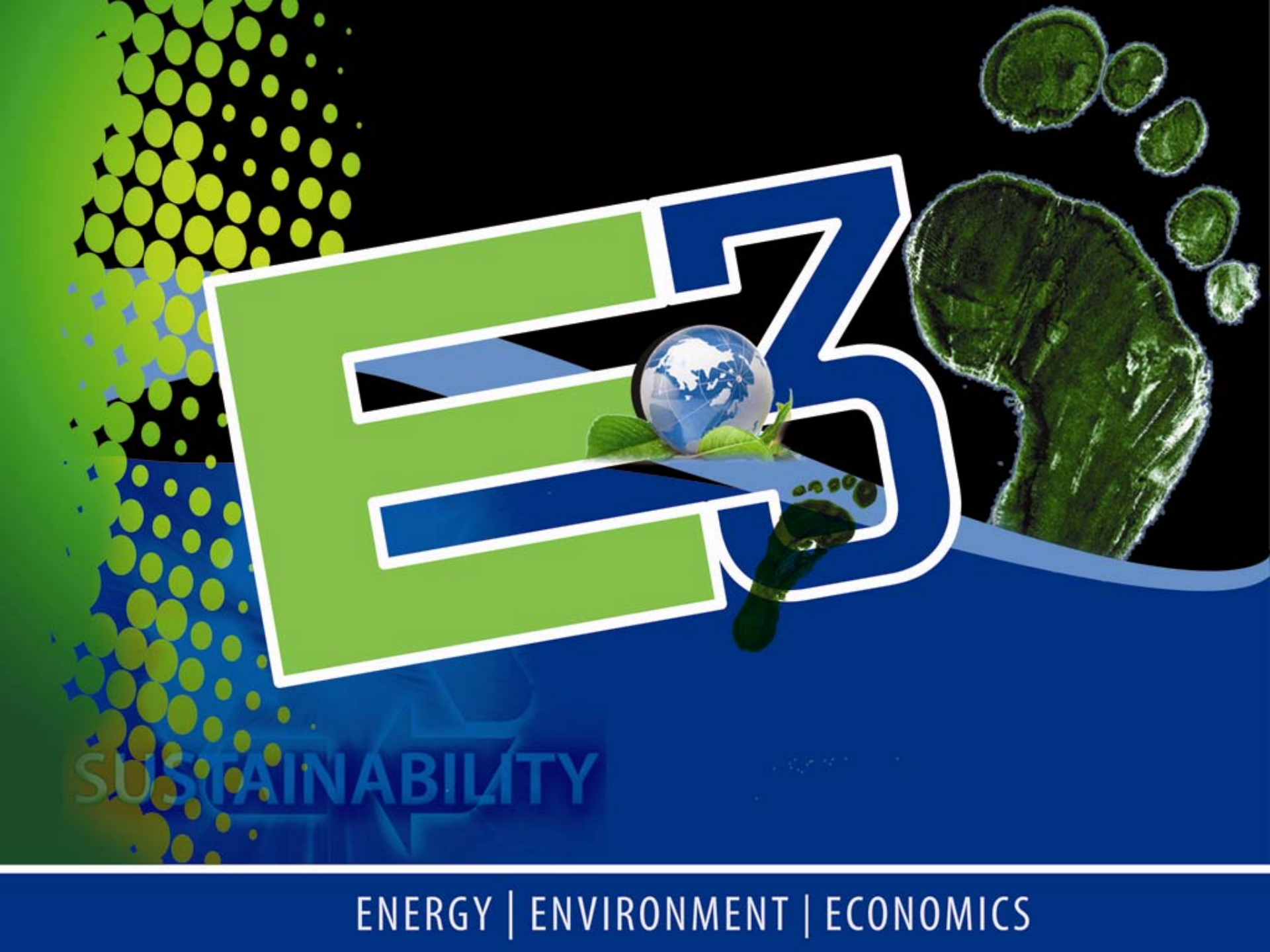
State or Region
- Promote EV awareness
- Infrastructure
- EVSE Permit Process
- Legislation/Incentives
- Public education
- EV fleet vehicles

A SUSTAINABLE FUTURE REQUIRES ALL STAKEHOLDERS WORKING TOGETHER

Companies
- EV fleet vehicles
- Workplace Charging
- Promote EV awareness
- Incentives for employees

Utilities
- Expand renewable electricity sources
- Capacity expansion
- Time of use rates
- Demand Response
- Infrastructure
- Public Education


NISSAN
the new car
zero Emission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