POWERING RESILIENCE:
HOW ELECTRIC VEHICLES CAN BRING POWER BACK TO COMMUNITIES

#TransportationTuesday

@HI_CLIMATE
As EVs have become more reliable, accessible, and affordable for more people, we can now start to talk about how EVs can provide power to those in need — and so, play a central role in disaster recovery.
In March of 2011, the northeastern coast of Japan was struck by an earthquake and tsunami that left 4.8 million households without power.

In response to the disaster, Nissan provided 66 LEAFs to affected areas, using the cars’ batteries to provide power to homes, buildings, and communities.

Electric lines are usually easier to restore than disrupted gasoline infrastructure, and during a natural disaster, using the batteries from EVs provide a convenient and efficient option for community “lifelines”.

@HI_CLIMATE
With a portable power station, the latest generation Nissan LEAF e+ with a fully charged battery can provide enough electricity to power:

- An average Japanese home for 4 days OR an average US household for 2 days
- 6,200 smartphones
- More than 100 elevator round trips in a 43-story building

@HI_CLIMATE
ELECTRIFICATION OF FLEETS IS ABOUT MORE THAN REDUCING EMISSIONS

As we continue to electrify our fleets (see our previous post!), we not only reduce emissions from ground transportation, but can also provide aid in the wake of natural disasters.

@HI_CLIMATE
The Los Angeles Air Force Base became the first federal facility to replace its entire ground vehicle fleet with plug-in EVs!

Wildfires in California are expected to intensify in the near future due to the effects of climate change.

The mobility of EVs are advantageous in emergencies, and fleets can be deployed to locations and quickly restore power to critical infrastructure in communities that are affected from fire or storm damages.
RESOURCES

Powering Resilience: How EVs can help communities bounce back after a disaster | Nissan Official Global Newsroom
[bit.ly/TT-powerresilience]

Electric vehicle models expected to triple in 4 years as declining battery costs boost adoption | Utility Dive
[bit.ly/EVbatterycost]

Fleet Tools: Electric Vehicles | State Climate Commission
[climate.hawaii.gov/electric-vehicles/]

How California can use EVs to keep lights on | World Resources Institute
[bit.ly/TT-EVresilienceCA]

@HI_CLIMATE