Ford understands that taking the guesswork out of when and where to re-charge helps build trust and provide peace of mind. That’s why the all-new Mustang Mach-E comes equipped with a feature to help more accurately predict how much range drivers have left, becoming more precise over time.

Mustang Mach-E’s innovative Intelligent Range can accurately estimate how much range the all-electric SUV has left, helping reduce anxiety about when and where customers can recharge.

“Electric vehicle customers need to be able to trust their range estimates,” said Darren Palmer, Ford global director, battery electric vehicles. “People want to be confident they’re going to make it where they need to go, whether they’re on a road trip or coming home from work. Our new Intelligent Range feature helps ensure Mustang Mach-E owners around the globe know where they stand ahead of time, freeing them up to enjoy the ride.”

Intelligent Range will calculate range based on past driver behavior and forecasted weather conditions – taking advantage of the cloud to predict how much energy will be used in future driving. The vehicle battery system reports how much energy is available, while the powertrain module tracks how much energy is being used. Warmer or colder weather can impact range, so Intelligent Range takes that into consideration, too, updating estimated range along the way.

Crowdsourced data from other connected Ford electric vehicles who choose to share information on the road can improve estimates considerably. The all-electric SUV can track how much energy is used in different circumstances, including varying speed, terrain and climate conditions, so it can use fleet averages across all Mustang Mach-Es to improve range estimates – even for routes and conditions an individual customer has never driven before.

If range is impacted notably by any number of factors at the start of a trip, customers will receive a notification in their cluster highlighting the new range estimate and details about why the estimate changed.

In case a Mustang Mach-E does run out of charge, the Ford Roadside Assistance program will tow customers free of charge to where they want within 35 miles – whether that be their home, the nearest public charger or an EV-certified Ford dealership.

If a customer’s home, the nearest charge station or dealership is more than 35 miles away, they will be taken to the closest location available.

Ford will upgrade Intelligent Range through over-the-air updates, designed to deliver even more accurate prediction capabilities for connected Mustang Mach-E, keeping their fully electric SUVs at the forefront of technology.
update will allow Mustang Mach-E to take even more advantage of cloud-connected capabilities, enabling it to factor in real-time traffic conditions, road slope, the terrain and elevation of a given route, and even the temperature at their final destination.

“Changes in driver behavior and the environment can impact range, which is the reason other electric vehicles often experience significant range adjustments,” said Mark Poll, Ford’s EV charging user experience manager. “Ford is tapping the power of the cloud to make estimates even more accurate – reducing the need for surprise charging stops and helping reduce customers’ range anxiety.”

Reserve the Mustang Mach-E here.

*Roadside assistance is included for certain owners and available to everyone for a per-service fee.

**Actual range varies with conditions such as external elements, driving behaviors, vehicle maintenance, lithium-ion battery age and state of health.

About Ford Motor Company

Ford Motor Company is a global company based in Dearborn, Michigan. The company designs, manufactures, markets and services a full line of Ford cars, trucks, SUVs, electrified vehicles and Lincoln luxury vehicles, provides financial services through Ford Motor Credit Company and is pursuing leadership positions in electrification; mobility solutions, including self-driving services; and connected services. Ford employs approximately 188,000 people worldwide. For more information regarding Ford, its products and Ford Motor Credit Company, please visit www.corporate.ford.com.