

2/28/2022, 4:56PM

Charter Communications, Inc. and its subsidiaries (Charter) are committed to protecting the environment in the cities that we serve and in which we provide critical communications infrastructure as outlined in our Franchise Agreement. Charter has developed sustainability initiatives we continue to develop year over year and include all facets of our operations; including the Network itself, the real estate we operate, the energy we use, the policies we set and follow, and the vehicles that we operate. In 2020, Charter announced a nationwide goal to drive efficiency by achieving carbon neutrality in our operations by 2035.

Many of our sustainability initiatives focus on our vehicle fleet, which is one of our most visible and valuable assets – and one of our most critical systems for providing service as well. Charter is systematically replacing our older vehicles to leverage new technology and increase the efficiency of our fleet. All Charter owned vehicles, including those operating in NYC, are retrofitted with telematics equipment which monitors excessive idling times and reinforces compliance with local idling regulations in the Company's service areas. Robust reporting and live alerts based on the telematics data is used daily to monitor and systematically curb idling times and occurrences. Data from the telematics system is also used to optimize routing to further decrease miles driven and emissions created.

Our fleet specifications are constantly being evaluated to be as environmentally conscious as possible. New vehicles are being designed to be more compact in size, enabling us to utilize smaller engines. Additionally, we continue to bring on new vehicles which utilize Flex Fuel and Start/Stop technologies. Finally, Charter is investing to increase the number of Electric Vehicles operated which will further help reduce emissions.

Charter has also introduced nontangible approaches to further reduce its environmental impact. One such example is the policy to enable many of our technicians to dispatch directly from home to their first job site. This not only reduces drive time and therefore emissions, but also reduces congestion throughout our City. Another example is our customer self-install initiative. In an attempt to reduce the number of vehicles we have on the road, we have enabled many of our customers to perform self-installs at their residences.

Even though Charter has taken steps to make its service vehicles more efficient and environmentally sound, it still is necessary for vehicles occasionally to idle. This occurs for two reasons. First, much of the equipment and tools that technicians use to maintain or extend the network require power to operate. Second, technicians must run vehicle engines to power the network in buildings where, for whatever reason, the building being serviced loses power.

The majority of the vehicles we operate are equipped with inverters and supplemental high-capacity AGM Batteries to power our critical equipment for as long as possible without the need to utilize the vehicle's engine: however, there is not infinite vehicle battery capacity to support all equipment. Once the battery power is exhausted, the vehicle must be run to recharge it and the technicians' other equipment. Moreover, the duration that the equipment can run may be affected by other devices and software operating simultaneously, and by the weather as well (colder weather will result in the equipment batteries draining faster than average). Therefore, vehicle engines must be operated to charge the equipment. Equipment we use with high power consumption includes:

- *Power Supply: this provides A/C power into the network when a local power company has an outage or a building electrician is performing maintenance.*
- *Air Blower: vents toxic fumes out of manholes in the street while work is being performed.*
- *Fiber splicing lab: fiber splicing within the vehicle requires the vehicle serve as an environmentally controlled lab to ensure stable conditions.*
- *Vehicle mounted and removable equipment: this equipment used to monitor Radio Frequency Leakage is required by the FCC, and is a daily requirement, as well as an annual filing to the FCC.*
- *Laptops, drill chargers, mobile phones (VPN network access), and signal level meters: this equipment is required for field operations.*
- *Operating equipment: active equipment in the truck is used for live monitoring of our network while troubleshooting. This equipment is frequently operated for hours to days at a time. While battery powered, the vehicle engine must be run to charge it after the AGM battery becomes exhausted.*

Despite having rigorous policies in place, investing in telematics monitoring, sustainable vehicle technologies, secondary batteries and inverters, and the highest available battery capacity equipment, our technicians cannot perform their customer impacting work duties without the critical equipment being properly powered.

Attached and below is the additional information requested on our last call related to vehicle equipment and procedures requiring high levels of power preceded by environmental initiatives our company has engaged in to limit emissions.

Regards,

*Alex Camarda
Director, State Government Affairs
Charter Communications/Spectrum
120 East 23rd St.
New York, NY 10010*