

# Clean Fuel Advanced Technology Success Story: Town of Cornelius

## Project

A total of \$2M in funding was provided to the NC Solar Center at NC State University by the NC Department of Transportation, State Energy Office and Division of Air Quality for the Clean Fuel Advanced Technology Project to reduce transportation-related emissions in NC counties that do not meet national air quality standards. The Town of Cornelius received \$37,684 to purchase three neighborhood electric vehicles, which are zero-emission vehicles that can be driven on streets zoned up to 35 MPH and re-charged by plugging into a 110 volt outlet.

### CFAT Impact by the numbers

680 gallons of gas saved annually

5,300 kg of CO<sub>2</sub> reduced annually

## On the Road to Success:

- By using these vehicles for the town's police patrol and special events, the high visibility of these vehicles allows more people to learn about a more sustainable, green, and clean alternative transportation technology.
- The vehicles are responsible for significantly fewer emissions than the current vehicles in the town's fleet, and their use reduces the overall discharge of carbon monoxide, nitrogen oxide and volatile organic compounds that are emitted from the current vehicles.
- The vehicles will also be able to aid the town in emergency and crisis situations. When gasoline is not available, the town will still be able to use the vehicles to carry on operations as normal.
- It is the town's overall goal to integrate as many alternative transportation technologies as possible into its fleet to ensure that the overall goal of clean transportation is achieved.



## Additional Accomplishments

The town continues to seek opportunities to reduce the emissions and petroleum use of its fleet. Most recently, the town joined a grant application to the Department of Energy that would help offset the incremental cost of a passenger hybrid vehicle to the town.

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