

Southern Shores Level 2 Charging Station

DAQ Site Visit September 16, 2021

NCDEQ, Division of Air Quality



Site Overview

The Town of Southern Shores is situated between Duck and Kitty Hawk along the North Carolina Outer Banks. Southern Shores is one of the first planned developments on the Outer Banks and offers a wide variety of water sports activities for residents and vacationers in addition to shopping and restaurants nearby. The Southern Shores Level 2 Charging Station project was one of 77 Level 2 infrastructure projects selected for funding in Phase 1 of the NC Volkswagen (VW) Settlement Program. This project received a Phase 1 VW rebate of \$10,000 for the installation of the Level 2 charger. The charger is in a publicly available municipal parking lot owned by the Town on Virginia Dare Trail and there is public access available to this parking lot 24 hours a day, 7 days a week.

Level 2 Charging Infrastructure Program Information

In Phase 1 of the NC VW Settlement program there was \$1.1 million was available for Level 2 charging infrastructure projects. Along with the other Phase 1 VW DEQ funded ZEV infrastructure projects to be installed, these projects will help create ZEV routes from the mountains to the coast in North Carolina. The primary goal is to increase use of ZEVs in place of gas-powered cars to mitigate nitrogen oxides, particulate matter, and greenhouse gas emissions in the state.

Executive Order 80

North Carolina has committed to allocate the full fifteen percent allowed by the Volkswagen consent decree to light duty vehicle charging infrastructure projects and this will help to fulfill one of Governor Roy Cooper's goals of Executive Order 80 (increasing the number of registered, zero-emission vehicles to at least 80,000 by 2025). Increasing the availability of electric vehicle charging infrastructure helps to alleviate range anxiety for drivers of electric vehicles and influence more ZEV sales in the state.

N.C. Division of Air Quality

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Additional Site Photos



Additional Program Details

The North Carolina Department of Environmental Quality, Division of Air Quality administers the \$92 million allocation of Volkswagen Mitigation Settlement funds for North Carolina. This project was funded in Phase 1 of the program. Phase 2 of the program will combine the originally planned phases two and three into one final phase with the full fifteen percent allowed allocated to ZEV infrastructure projects. The primary goal of the Zero Emission Vehicle (ZEV) Infrastructure Program is to increase use of ZEVs in place of gas-powered cars to mitigate nitrogen oxides, particulate matter, and greenhouse gas emissions in the state. To achieve that goal, the program will emphasize adding new ZEV charging infrastructure in underserved areas, extend the existing light-duty ZEV infrastructure across the state, encourage intrastate and interstate ZEV vehicle usage at North Carolina's diverse geographic, historic and tourist attractions and highlight the environmental benefits of ZEVs.

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