

Energy Success Story:

Nelson Business Enterprises

Chester, Bucks and Montgomery Counties, PA



*With a battery electric vehicle, you can drive your car
without ever paying a visit to the gas station!
A Montgomery County business decided to make the move to EVs to
save money and reduce their carbon footprint in their daily business travels.*

The Grantee, In Their Words

Nelson Business Enterprises owns a franchise of The Alternative Board (TAB), working with privately held small businesses in Chester, Bucks and Montgomery Counties in PA to help them improve their business strategies by coaching them and forming advisory boards for these businesses.

Project Summary

Nelson Business Enterprises switched their 3 company-owned vehicles to electric vehicles, the BMW i3 REX. AFIG funds were used to pay a portion of the incremental purchase cost of the cars (the difference in cost between the electric cars and their comparable conventional fuel model).

The company installed charging stations into each employee's home garage to serve as the primary charging location for each vehicle.

The project will result in a roughly 95% reduction in fossil fuel usage, and measurable air quality benefits. The vehicles are primarily used in Bucks, Montgomery, and Chester Counties, which are all non-attainment areas for zone.

Project at a Glance

Name:
Company Gas Autos to
Company Electric Autos

Location:
3990 Ashland Drive, Skippack,
PA 19474

Project Size:
43 BMW i3 REX

Principal Use:
Company Autos (Electric Vehicles)

Total Project Cost:
\$114,096

Grant Share:
\$33,604

Consultant:
BMW Dealer: Thompson BMW,
Doylestown, PA

Project Period:
3 months

Grant Project End Date:
March 2017



Project Photos



BMW i3 REX electric auto



Rick Foltz, Spencer Deane, Brian Nelson, Jean Nelson

“We have been so pleased by the project. We have driven 46,000 miles in 2017 and greater than 90% of all those miles were driven on pure electric without any gas. It shows that thinking differently can both help the environment and reduce a business's costs.”

Brian Nelson, President and Managing Partner, Nelson Business Enterprises

Results: Energy, Economy, Environment

The cost of the three vehicles totals \$114,096, with a grant award of \$33,741. The incremental purchase cost was slightly less than anticipated, so the grant reimbursement (50% of the incremental purchase cost) totaled \$33,604.

Benefits:

Annual Savings:

- Energy Costs \$395,703

Lifetime Savings:

- Energy Costs \$19,704

Environmental Equivalent:

- Cars Removed from Road* 4.2
- CO2 Emissions* 21.4 (tons)

*Annually

The Alternative Fuels Incentive Grant (AFIG) Fund was established under Act 166 of 1992 and is administered by DEP through the Energy Programs Office. DEP receives approximately \$6 million in funding each year through the utilities gross receipts tax collected during each fiscal year to carry out the provisions of the Alternative Fuels Incentive Act. The primary goals of the AFIG Program are to improve Pennsylvania's air quality and reduce consumption of imported oil through the use of homegrown alternative fuels that will help the Commonwealth's economy and environment. DEP funds innovative technology, alternative fuel vehicle, and refueling infrastructure projects resulting in a cleaner and greener transportation sector within the Commonwealth.