SmartWay[SM] Transport Fuel-Saving Technology Packages for Trucking Companies

ADEQ
ARKANSAS
Department of Environmental Quality

SmartWay[SM]
Transport Partnership
U.S. Environmental Protection Agency

The Small Business Loan program provides low-interest loans to Arkansas small businesses to institute pollution prevention measures.

Eligible Businesses

For a business to be eligible for these low-interest loans, it must employ 100 or fewer individuals and provide proof of profitable operations and a demonstrated ability to repay the loan.

Loan Process

First, the applicant submits a completed loan application with all attachments, including a complete description of and cost estimate for the eligible project. Then, ADEQ Business Assistance staff review the application and visit the site to determine eligibility.

After the loan is approved, ADEQ provides the loan monies to the applicant. ADEQ will follow-up and verify that the project has been completed.

ADEQ
Business Assistance Program
Environmental Solutions

ADEQ and the U.S. Environmental Protection Agency's (EPA) SmartWay Transport Partnership have teamed up to help Arkansas trucking companies finance projects to save fuel and reduce pollution through the ADEQ Small Business Loan Program.

SmartWay Fuel-Saving Technology Packages – Transform your trucks into low-emission, high-efficiency vehicles with:

- Idle reduction devices
- Low rolling resistance tires
- Tractor and/or trailer aerodynamics
- Exhaust aftertreatment devices

Your company will become more attractive to environmentally-minded shippers who are looking to work with cleaner freight carriers. To compare costs and estimate fuel savings from various technologies, visit the SmartWay Technology Package Savings Calculator at www.epa.gov/smartway/calculator/loancalc.htm.

Features:

- **Flexibility –** Custom design a package with technologies that best match your operations.
- **Attractive Return on Investment** – Depending on technologies selected and the operation of your trucks, fuel savings may range from 10-15% for many packages.
- **Attractive Loan Terms** – Loans are available for up to $45,000 at 80% of Prime Interest Rate, with loan terms of up to 10 years.

Need more information?

ADEQ Business Assistance Program
Phone: (501) 682-0709 or (888) 233-0326
Fax: (501) 682-0880
www.adeq.state.ar.us

For information on the SmartWay Transport Partnership, visit **www.epa.gov/smartway**

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Overview of Fuel-Saving and Emission-Reduction Technologies

SmartWay Transport Partnership
U.S. Environmental Protection Agency

Disclaimer: The benefits described in this document are estimations only, which are based on a number of assumptions. Actual fuel savings and emission reductions may be higher or lower; they will depend on a variety of factors, including equipment type, driver performance, distances traveled, and vehicle speed.

Technology	Description	Approx. Cost	Benefits[1]
Idle Reduction Device – Bunk Heater	 Small, lightweight, diesel fuel-fired device mounted in the cab that provides heat for cab comfort. Does not include any air conditioning capabilities.	$1,500	Approx. 5% fuel savings assuming 1,200 hours of idling per year Additional reduction in engine wear-and-tear
Idle Reduction Device – Auxiliary Power Unit	 Small diesel-powered generator mounted outside the cab that provides heat, air-conditioning, and electrical power to run appliances.	$6,000 - $8,500	Approx. 8% fuel savings assuming 2,400 hours of idling per year Additional reduction in engine wear-and-tear
Aluminum Wheels for Single Wide Tires	 Traditional dual tires are replaced with one single wide tire and aluminum wheel. Can be applied to all tractor and trailer tire positions except for the steer tires.	$5,600	Approx. 4% fuel savings
Trailer Aerodynamics	 Fairings added to the front and underside of the trailer to reduce drag.	$2,400	Approx. 5% fuel savings
Emission Control Device – Oxidation Catalyst	 A device added to the tractor's exhaust system to reduce the emission of particulate matter and other pollutants.	$1,200	Approx. 20 – 50% reduction in particulate matter

[1] All savings assume a Class 8B tractor trailer traveling approximately 100,000 miles per year.