

**PROGRAM INFORMATION**

Manitoba Infrastructure and Transportation (MIT), together with University of Manitoba Transport Institute (UMTI), the Centre for Sustainable Transportation (CST) and the Manitoba Trucking Association (MTA) is introducing a new GrEEEn (Economically and Environmentally Efficient) Trucking incentive program. The program offers incentives to companies/owner-operators that install various technological improvements.

The key objectives of the GrEEEn Trucking program are to:

- further demonstrate Provincial commitment/leadership in promoting technology and innovation as a way to reduce greenhouse gas (GHG) emissions from the freight transportation sector
- help the private sector implement GHG emission reduction technologies through financial incentives.

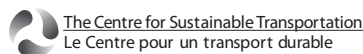
Financial considerations for the program include the following:

A	Minimum equipment investment per tractor or trailer	\$2,000
B	Incentive/rebate levels (equipment purchase cost only)	15% to 25%
C	Maximum incentive/rebate per tractor or trailer	\$2,500
D	Candidate units receiving any other funding from another “green fleet” type of program are ineligible	

The GrEEEn Trucking program offers a flexible way for Manitoba’s trucking industry to combine technologies, enhance efficiency and reduce GHG emissions. An energy efficient trucking industry is more competitive, supports employment growth and contributes to a healthy provincial economy.

For more information on the program, please contact:

Manitoba Trucking Association  
 Phone: 204-632-6600  
 Email: info@trucking.mb.ca



## ELIGIBILITY CRITERIA

To be eligible to participate in the program, applicants must meet the following criteria:

Applicant Type	Eligibility Criteria					
	2005 or newer candidate tractor units	Manitoba Head Office	Valid Manitoba Driver's Licence	Valid Vehicle Registration (candidate units)	Proof of Vehicle Ownership/ Lease (candidate units)	Valid Manitoba NSC Safety Certificate
Owner-Operator	Yes	N/A	Yes	Yes	Yes	N/A
Company (long haul for hire/private)	Yes	Yes	N/A	Yes	N/A	Yes

Technologies purchased between July 16 and September 15 but not applied for during the initial application period (ending July 15) will be considered during this application period.

The number of truck tractors/trailers eligible annually for this program is based on the size of the tractor fleet. Examples of the relationship between tractor fleet size and number of eligible units (any combination) is shown in the table below.

Size Tractor Fleet	Maximum Eligible Tractors/Trailers (Combination)	Size Tractor Fleet	Maximum Eligible Tractors/Trailers (Combination)
1 - 9	5	150 – 169	13
10 – 29	6	170 - 189	14
30 – 49	7	190 – 209	15
50 – 69	8	210 – 229	16
70 - 89	9	230 – 249	17
90 – 109	10	250 – 269	18
110 – 129	11	270 – 289	19
130 – 149	12	290- Over	20

It is recommended that companies select driver/truck combinations that operate consistent and regular routes.

## ELIGIBLE ENERGY EFFICIENT TECHNOLOGIES

Three categories of after-market technologies are eligible for rebates:

- anti-idling technologies
- truck tractor/trailer aerodynamics
- tire technologies

The following illustration shows the Canadian Trucking Alliance's enviroTruck concept with various energy efficiency technologies on a truck. Information is also provided about the estimated benefits of various energy efficiency technologies.

It is the responsibility of each participant in the GrEEEn Trucking program to investigate any weight/dimension changes the installation of these technologies will have on truck operations.

### CTA enviroTruck Concept: Energy Efficiency Technologies



## APPLICATION INFORMATION

Companies/owner operators participating in the GrEEEn Trucking program must agree to the terms and conditions listed in the application form.

Application information/request for payment and data reporting requirements are to be submitted to:

### Applications/Requests for Payment

#### UMTI

631-181 Freedman Crescent  
Winnipeg, MB R3T 5V4  
Phone: 204-474-6798  
Fax: 204-474-7530  
Contact: Jairo Viafara  
E-mail: viafara@cc.umanitoba.ca

### Data Reporting Requirements

#### CST

103-520 Portage Avenue  
Winnipeg, MB R3C 0G2  
Phone: 204-988-7182  
Fax: 204-943-4695  
Contact: Daniel Gravenor  
E-mail: csttruck@uwinnipeg.ca

Participant confidentiality, in the absence of a signed waiver, will be ensured.

## GrEEEn Truck Program: Information on Energy Efficient Technologies\*

Status	Technology	Estimated Fuel Savings (%)	Estimated Annual Fuel Savings (lit/yr)	Estimated Life Cycle Fuel Savings (lit)	Technology Subsidy
Driving	<b>Aerodynamics add-ons (truck tractor)</b>				
	Side fairings Front bumper air dam	2.00%	1,360	13,600	15%
	<b>Aerodynamics add-ons (trailer)</b>				
	Side skirt	4.00%	2,720	27,200	20%
	Base flaps	6.00%	4,080	40,800	25%
	Gap fairing	2.00%	1,360	13,600	15%
	<b>Tires</b>				
	Low rolling resistant tires	4.00%	2,720	27,200	20%
	Wide base tires	6.00%	4,080	40,800	25%
	Tire pressure monitoring and inflation system'	0.50%	340	3,400	15%
Idling	<b>Idle solutions</b>				
	APU (diesel-electric)	80%	4,032	40,320	25%
	APU (battery-electric)	92%	4,636.8	46,368	25%
	Cab Heaters/Cab Coolers	N/A	N/A	N/A	25%
Assumptions	Idling per year (hr)	Fuel cost (C\$)	Driving distance (Km)	Annual fuel consumption (lit/yr)	Idling fuel consumption (lit/hr)
	1400	0.97	160,000	68,000	3.6

\* Estimated impacts of various technologies is based upon a review of various North American research initiatives