



Hunts Point TRU Incentive Program

2026 Cost Comparison

When evaluating whether to replace older TRUs, it is important to look beyond the upfront purchase price and compare the full cost of ownership, including fuel and maintenance costs. Older units often come with higher fuel use and more frequent maintenance and downtime. Upgrading to newer TRUs can help reduce fuel consumption, lower maintenance cost, and improve reliability especially when paired with modern monitoring tools, like remote temperature sensors and controls.

The Hunts Point TRU Incentive Program offers generous funding to replace older, stationary Transportation Refrigeration Units (TRUs) located in the Hunts Points Produce Market. Through this Program, businesses can apply for rebates towards the purchase of new TRUs:

Replacement (New) TRU Technology		Maximum Rebate Amount
 All-Electric		\$27,500
 Diesel-Electric Hybrid		\$37,500
 Diesel		\$30,000

Cost Comparison

Table 1 compares the long-term cost savings for the operation of Diesel, Electric, and Hybrid TRUs. Using the current average diesel and commercial electricity costs in New York, as well as average maintenance costs, a more comprehensive comparison of overall associated costs for each TRU type is presented. Table 2 also provides a long-term cost comparison for the operation of TRUs but instead compares newer diesel models (Tier 4-Final) to older diesel models (Tier 4-Interim – Tier 1). As this program provides funding for stationary TRUs, both tables assume a minimum of 12 hours per day of operation - for 24 hours per day of operation, we can assume all calculated data in both tables to be doubled.

Table 1: Average TRU Cost Comparison Over Time
Assuming 12 Hour/Day Operation

	Fuel/Energy Consumption Assuming 12 hr/day (4380 hr/yr) Usage	Average Maintenance Costs	Total Costs After 1 year	Total Costs After 5 years
Diesel TRU	On Average, Tier 4 Diesel TRUs Use 0.55 gallon/hr ⁶ Current Average Diesel Costs in NY are \$5.395/gal ¹ = \$2.97 per hour in Fuel Costs \$4.32/hr x 12 hrs = \$35.61 per day \$4.32 x 4380 hrs = \$12,997 per year	\$1.50 per hour ³ (Assuming 4380 hr/yr) \$6,570 per year	~\$19,600	~\$97,800
eTRU	On Average, Electric TRUs Use 8 kWh/hr ⁵ Current Average Commercial Electricity Costs in NY are \$0.225/gal ² = \$1.80 per hour in Fuel Costs \$1.80/hr x 12 hrs = \$21.60 per day \$1.80 x 4380 hrs = \$7,884 per year	\$0.50 per hour ³ (Assuming 4380 hr/yr) \$2,190 per year	~\$10,000	~\$50,000
Hybrid TRU	(Assuming 25% Electric Power + 75% Diesel Fuel Usage) ⁴ kWh: \$1.80/hr (see eTRU) x 3 hrs = \$5.40 per day Diesel: \$2.97/hr (Diesel) x 9 hrs = \$26.73 per day = \$32.13 per hour in Fuel Costs 4380 hr/yr: \$14,191/yr on Diesel + \$1,971/yr on kWh = \$11,471 per year on Diesel	\$0.50 per hour ³ (Assuming 4380 hr/yr) \$2,190 per year	~\$13,700	~\$68,300
~\$5,100 per year in fuel costs saved with eTRU		~\$4,380 per year in maintenance costs saved with eTRU	~\$9,600 in total costs saved after 1 year of usage with eTRU	\$47,800 in total costs saved after 5 years of usage with eTRU

Table 2: Average Diesel TRU Cost Comparison Over Time
Newer vs Older Models

	Fuel/Energy Consumption Assuming 12 hr/day (4380 hr/yr) Usage	Average Maintenance Costs	Total Costs After 1 year	Total Costs After 5 years
Tier 4-Final Diesel TRU (2013 +)	On Average, Tier 4 Diesel TRUs use 0.55 gallon/hr ⁶ Current Average Diesel Costs in NY are \$5.395/gal ¹ = \$2.97 per hour in Fuel Costs \$2.97/hr x 12 hrs = \$35.61 per day \$4.32 x 4380 hrs = \$12,997 per year	\$1.50 per hour ⁷ (Assuming 4380 hr/yr) \$4,160 per year	~\$17,000	~\$86,000
Tier 4-Interim Diesel TRU (2008 – 2012)	On Average, Tier 4-Interim Diesel TRUs use 0.8 gallon/hr ⁵ Current Average Diesel Costs in NY are \$5.395/gal ¹ = \$4.32 per hour in Fuel Costs \$4.32/hr x 12 hrs = \$51.84 per day \$4.32 x 4380 hrs = \$18,922 per year	\$1.50 per hour ³ (Assuming 4380 hr/yr) \$6,570 per year	~\$25,500	~\$127,500
Tier 1 & 2 Diesel TRU (1995 – 2007)	On Average, Tier 1 & 2 Diesel TRUs use 1.05 gallons/hr ⁸ Current Average Diesel Costs in NY are \$5.395/gal ¹ = \$5.66 per hour in Fuel Costs \$5.66/hr x 12 hrs = \$67.98 per day \$5.66 x 4380 hrs = \$24,182 per year	\$1.50 per hour ³ (Assuming 4380 hr/yr) \$6,570 per year	~\$31,000	~\$157,000
~\$12,000 per year in Fuel costs saved with Tier 4-Final TRU		~\$2,500 per year in maintenance costs saved with Tier 4-Final TRU	~\$14,000 in total costs saved after 1 year usage with Tier 4-Final TRU	\$71,000 in total costs saved after 5 years of usage with Tier 4-Final TRU

¹ Current Average Diesel Costs in NY calculated from weekly New England (PADD 1A) diesel prices for June – July 2026 [reported by U.S. Energy Information Administration](#)

² Current Electricity Costs in NY calculated from 2026 (Jan – Apr) Monthly Average Retail Price of Electricity – Commercial [reported by New York State Energy Research and Development Authority](#)

³ Average Maintenance Costs pulled from California Air Resources Board's [Preliminary Cost Document for the Transport Refrigeration Unit Regulation](#)

⁴ Hybrid TRU Fuel/electricity percentage estimations based on calculations from California Air Resources Board's [2022 TRU Technology Assessment](#)

⁵ The Diesel TRU & eTRU fuel/energy consumption per hour averages are based on reported calculations from California Air Resources Board's [2022 TRU Technology Assessment](#)

⁶ Tier 4 Diesel TRU fuel consumption average is pulled from Table C26 in California Air Resources Board's 2021 SRIA: [Proposed Amendments to the Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units \(TRU\) and TRU Generator Sets, and Facilities where TRUs Operate](#)

⁷ Tier 4 Diesel TRU maintenance costs are pulled from the Maintenance and Operational Costs section (pg 63) of California Air Resources Board's 2021 SRIA: [Proposed Amendments to the Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units \(TRU\) and TRU Generator Sets, and Facilities where TRUs Operate](#)

⁸ There is no actively collected data regarding the exact fuel consumption of Diesel TRU models older than Tier 3 (4i) according to The Air Resources Board. The average fuel consumption of 1.05 gal/hr is calculated using the difference between Tiers 4 and 3, assuming average fuel consumption of TRUs increases at a relatively constant rate over time.