GE TRANSPORTATION | EVOLUTION SERIES LOCOMOTIVES

The most technologically advanced, diesel-electric, heavy-haul locomotive in the world

**THE CHALLENGE**
4.1 million metric tonnes of CO₂ are emitted annually by locomotives moving freight on U.S. railways. Reducing emissions is critical to sustainability.¹

**GE SOLUTION**
GE’s Evolution Series Locomotives conserve fuel and reduce the environmental impact of railroads. The Evolution Series meets the U.S. Environmental Protection Agency’s (EPA) stringent Tier 4 emission standards.

**THE IMPACT**
The 5,958 GE Evolution Series Locomotives in service today have saved on fuel costs, while lowering emissions.

- **671 MILLION**
  Total gallons of locomotive fuel saved
  all GE locomotives
cumulative, 2005–2016

- **7.5 MILLION**
  Metric tonnes
  Carbon dioxide reduction
  cumulative, 2005–2016

- **7 MILLION**
  Acres
  7.5 million metric tonnes of CO₂ is equivalent to the carbon dioxide sequestered by 7 million acres of U.S. forests for 1 year.²

- **$2.1 BILLION**
  Total dollars saved³
  cumulative, 2005–2016

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2. Source: https://www.aar.org/newsandevents/Press-Releases/Pages/The-Nations-Freight-Railroads-Average-476-Ton-Miles-Per-Gallon.aspx  
4. Calculations based on United States Energy Information Administration (EIA) average annual diesel price history.