



GEMINI



MUSKET



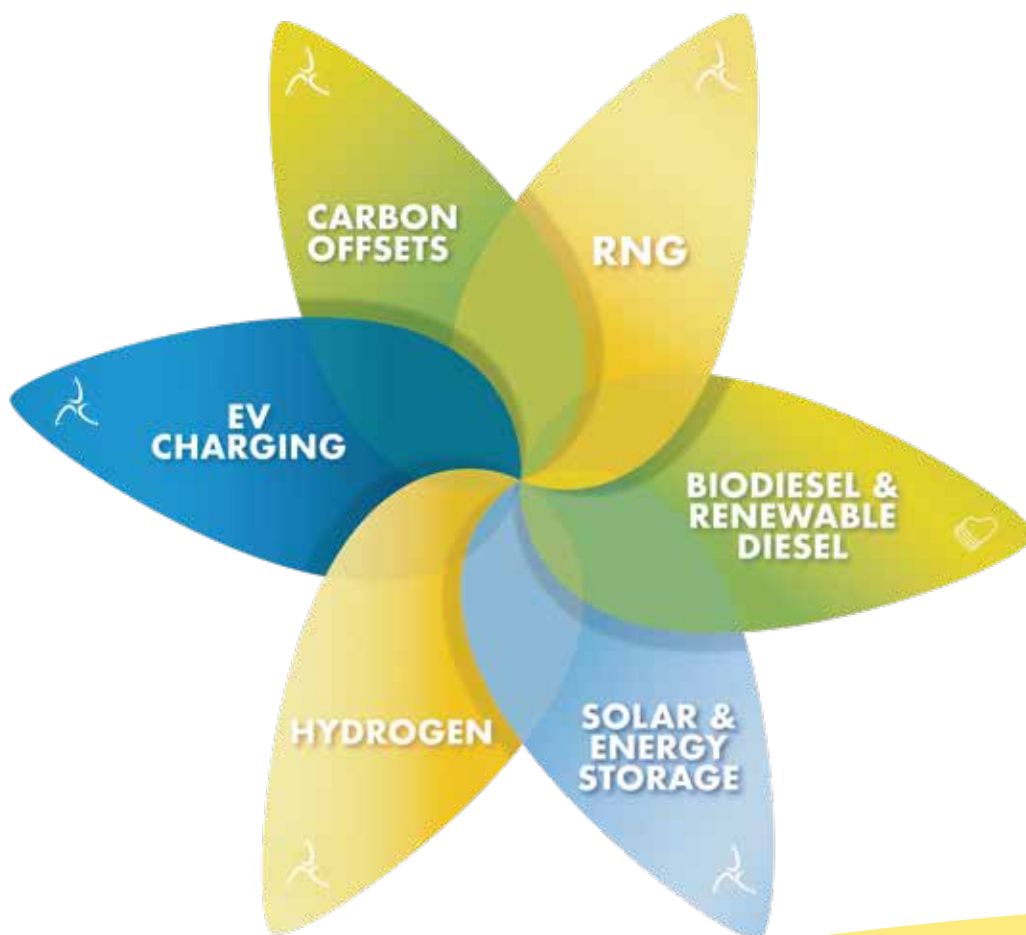
Trillium



The Love's Family of Companies

Environmental Solutions Guide

Our ever-increasing commitment to alternative fuels and advanced technologies can help you reach and maintain your sustainability goals all in one place.





Driving Sustainability one mile at a time.

The Love's Family of Companies is the market leader for sustainable fuel solutions with one of the largest integrated networks for fuel distribution in the country. Today, Love's has over 600 locations, many with biodiesel or renewable diesel. These locations are supported by the trading efforts of Musket who owns and operates 9 diesel terminals, 25 DEF terminals and 15 million gallons of ethanol storage and by Gemini, our in-house fuel delivery fleet. In addition to the 600+ Love's locations, Trillium, which specializes in alternative fuels like RNG, Hydrogen and EV, operates 65+ public RNG fueling stations and has built and maintains over 200 private fueling facilities.

As we look ahead Love's continues to invest in the future to better serve our customers and our planet. These investments include:

- Heartwell Renewables: A joint venture between Love's and Cargill will be the only entity of its kind to both manufacture and distribute renewable diesel all the way to the retail pump.
- Musket continues to acquire DEF production terminals across the country with many new locations scheduled to open in 2023/2024.
- Trillium continues to evaluate RNG production across the country and has multiple partnerships that provide low-cost access to our RNG customers.



The Love's Family of Companies

Greenhouse Gas Emissions

What are Greenhouse Gases (GHG)?

GHG trap heat and make the planet warmer when vented to the earth's atmosphere. Common sources of GHG include mobile and stationary combustion, electricity generation, and operations from manufacturing & construction.

What is GHG Protocol Corporate Standard?

The GHG Protocol Corporate Standard classifies a company's GHG emissions into three "scopes." For a company to eliminate GHG emissions associated with its activities it must determine its carbon footprint.

Scope emissions and your carbon footprint

Scope (1): Direct emissions.

GHG emissions from sources directly owned or controlled by a corporate entity and include:

- Stationary combustion – fuels from heating sources.
- Mobile combustion – vehicles owned or controlled by a firm.
- Process emissions – industrial process and on-site manufacturing.

Scope (2): Indirect emissions.

GHG emissions resulting from the generation of electricity, steam, heat and cooling purchased by a corporate entity.

Scope (3): Indirect emissions.

GHG emissions from activities of the organization, occurring from sources they do not own or control. Examples include:


- Upstream activities – business travel, employee commuting and waste generation.
- Purchased goods and services – emissions from the production of goods and services purchased by the company in the same year.
- Transportation and distribution – upstream (suppliers) and downstream (customers).




The Love's Family of Companies strives to offer the most comprehensive list of solutions for your fueling and sustainability needs. Our team is dedicated to providing you with the options and expertise necessary to navigate this evolving landscape. Leading by example, the majority of the following solutions are currently implemented across our family of companies.

Lower CI Diesel Fuels


Love's is one of the largest buyers of biodiesel and renewable diesel in the United States. We source from all the major producers and were one of the first movers in both products. Our experience with these products allows us to provide high quality and reliable supply to our stores.


 **Biodiesel:** Biodiesel is made from vegetable oils, animal fats, and recycled restaurant grease. It can be blended with diesel up to 20% (B20) and used as a fuel in diesel vehicles. Love's has invested in nationwide infrastructure to achieve this capability. Today this fuel is available widely across our network.

 **Renewable Diesel (RD):** RD is made from recycled grease, animal fats and vegetable oils. The production process makes RD chemically identical to petroleum diesel enabling it to be used as a substitute rather than as a blend. This fuel is extremely low sulfur with a much higher cetane rating. Love's is deeply investing in this cleaner burning fuel and has made significant investments to ensure its availability at our locations in select markets.

Natural gas, an alternative fuel

Our alternative fuels company, Trillium, provides fleet operators from coast to coast with compressed natural gas (CNG)—a cost effective, low-carbon fuel for all medium- and heavy-duty applications including goods movement, delivery, transit, shuttle, school transportation, refuse, agriculture, and more. Our CNG/RNG customers on average save 30% to 50% on fuel costs and reduce their GHG emissions by 20% to 280% (depending on feedstock).


 **CNG:** Trillium provides fleets from coast to coast with compressed natural gas (CNG) – a cost effective, low-carbon fuel for all medium- and heavy-duty applications including goods movement, delivery, transit, shuttle, school transportation, refuse, agriculture, and more. Our team dispenses tens of millions of CNG GGE annually from 200+ facilities, including 65+ public-access CNG stations. Natural gas vehicles fueled with CNG help fleets save money, reduce maintenance costs and improve environmental performance. Typically, fleets save an average fuel cost of 30% to 50% or greater compared to diesel. CNG can help fleets reduce greenhouse gas emissions by 20% when compared to gasoline and diesel, and is produced in North America, reducing our dependence on foreign oil.


 **RNG:** Renewable Natural Gas (RNG) is a drop-in replacement fuel for CNG produced by capturing and cleaning up methane emitted from the decomposition of organic waste, such as in wastewater treatment plants, dairy and swine manure and landfills. Trillium provides fleet operators with access to RNG – a cost effective, pipeline quality, ultra-low carbon fuel. RNG enables cities to turn waste into energy and is being produced throughout North America, accounting for most of the natural gas used for transportation in California.


Our commitment to the future of fuels

Trillium works with customers to identify the power supply sources that work best for their fuel station – balancing cost, reliability, deployment timelines, sustainability goals, location, and scale. Our core goal is to ensure customers have access to a steady supply of fuel at predictable prices, and that they avoid paying unnecessary charges related to fuel transmission, distribution, or demand.


Hydrogen is a zero-tailpipe emission fuel choice that is gaining popularity for transit agencies and goods movement fleet operators. Trillium built one of the nation's first heavy-duty hydrogen vehicle fueling stations and can leverage this experience to support our customers in building customized hydrogen fueling solutions.

 **Electric Vehicle (EV) charging:** Love's customizable power portfolio enables fleets to source electricity from the grid, solar panels, energy storage, or from an on-site generator powered by RNG. Today, Love's has over 28 EV charging stations across its network – some designed and built in house. We have the ability to evaluate, design, build, operate, and maintain distributed generation assets including solar, battery storage, and natural gas generators. We are actively evaluating the impact EVs will have on OTR logistics and are working to ensure charging availability.


 **Hydrogen:** Hydrogen is a zero-emission fuel used in fuel cell vehicles. Love's built one of the nation's first heavy-duty hydrogen vehicle fueling stations and is expanding. We are able to provide design build options for customers looking to incorporate hydrogen into their fleet. Trillium has design and build expertise and currently operates and maintains two hydrogen fueling stations. The first station is a liquid hydrogen station with the ability to fill up to 1,500 kg/day and has 3 days of storage. The second station includes on site hydrogen production via electrolysis. The electrolyzer produces 450kg per day. The electrolyzer will be connected to a solar array so the buses being fueled at the station will be fueled with renewable hydrogen. We are actively designing many other hydrogen solutions for our customers.




Diesel Exhaust Fluid (DEF): Our mission is to offer a reliable DEF supply to meet our customers' growing demand in conjunction with reducing empty mileage driven to source this product. Diesel engine manufacturers use DEF in conjunction with Selective Catalytic Reduction technology (SCR) to reduce nitrous oxide (NOx) emissions from exhaust gases. Today, Love's operates 25 DEF production terminals across the United States with additional markets scheduled to open in 2024. Our DEF operations are open 24/7/365.




Ethanol: Ethanol is a renewable fuel made from corn that can be blended into gasoline as an octane booster and reduces a vehicle's GHG emissions. We operate 3 unit train facilities that, together, have a railcar capacity of 250+ and 15MM+ gallons of storage.




Tire Retreading: Love's opened its first tire retread plant in 2016 to address our customer's needs. Love's now operates 6 retread plants producing 500,000 – 600,000 retreads per year. Our retreads offer an industry leading warranty and provide our customers with a more sustainable option for tire replacements. On average, a tire retreads use 19% less water, 15 gallons less oil, and can reduce your carbon footprint by 24%, when compared to traditional tires.




Solar & On-Site Power Generation: Love's provides full-service design, installation and maintenance for on-site solar and power generation projects, enabling customers to reduce their energy bills and improve resiliency. Leading by example, Love's operated over 4.5MW of solar installations resulting in an annual power production of almost 7,000MWh.



Renewable Energy Credits (RECs): Renewable energy certificates represent the energy generated by renewable energy sources, such as solar or wind power facilities. Our involvement in solar projects nationally gives us the ability and expertise to provide RECs from across the country. Our in-house expertise can help guide your organization to properly implement and procure RECs to address your scope 2 sustainability needs.



Carbon Offsets: Carbon offsets represent the reduction or capture of one metric ton of CO₂e. The purchaser of an offset can "retire" offsets to claim the underlying reduction towards their own GHG reduction goals. We give our customers access to the wholesale market, significantly reducing their spend towards these commodities. In addition to this unrivaled market access is the in-depth carbon accounting knowledge to help ensure that your reductions are accurately calculated.



Truck Wash: Love's offers truck wash services at select travel stop and Speedco locations. With a combination of speed, high quality and cost effectiveness, Love's Truck Washes are equipped with automated technology and are expected to provide the same quality as a hand wash but in half the time of other truck washes in the industry. Love's truck washes use 25% less water and 25% less power than other market solutions.



Love's Sustainability in Action

Point Loma

The Trillium-owned and -operated Point Loma wastewater treatment plant in San Diego, California has been diverting biogas to generate clean renewable electricity and/or RNG for transportation purposes since March 2012. The RNG produced meets the stringent Rule 30 requirements for natural gas pipeline injections into the grid.

Heartwell Renewables

The Love's Family of Companies partnered with Cargill and its affiliates to produce and market RD under the name Heartwell Renewables. The plant being built will have the ability to produce approximately 80 million gallons of RD annually. Cargill provides feedstock in the form of tallow and Musket transports and markets the resulting product.

Gemini Motor Transport

Gemini Motor Transport has been the primary fuel hauler and carrier for Love's since 2001. A network of over 1,000 Gemini trucks distributes millions of gallons of fuel to Love's locations nationwide. The fleet is fueled with an expansive portfolio of alternative fuels including CNG, RNG, biodiesel, and RD, which allows the fleet to choose the fuel that works best for each situation.

Tire Retreading

Love's truck tire retread program offers the best warranty in the industry while saving customers money. Tire retreading helps fleet operators extend the life of their tires and reduce replacement costs by preserving the majority of the material from the original tire. The process also reduces the consumption of water and oil compared to manufacturing new tires. Love's owns and operates six retread distribution centers across the country. The company also has over 410 Love's Truck Care and Speedco locations nationwide that offer the most comprehensive off-highway nationwide coverage.

What can the Love's Family of Companies offer that others can't?

	Biodiesel	Renewable Diesel	CNG/RNG	Hydrogen	EV Charging	Solar	Tire Retreads
Love's Family of Companies	✓	✓	✓	✓	✓	✓	✓
Traditional Truck Stop	✓	✓					
Alternative Fuel Provider Only			✓	or ✓	or ✓	or ✓	

STRATEGIC PARTNERSHIPS TO GROW THE MARKET

The Love's Family of Companies supports and works side-by-side with the industry's leading trade associations, NGOs, and environmental groups to advance the sustainable transportation market including:

Advanced Biofuels Association
AM BEST
American Biogas Council
American Gas Association
American Public Transportation Association
American Trucking Associations
California Hydrogen Business Council
California Natural Gas Vehicle Coalition
California Natural Gas Vehicle Partnership
California Transit Association
CALSTART
Center for Transportation and the Environment
Coalition for Renewable Natural Gas
Council of Supply Chain Management Professionals
Intermodal Association of North America

Fuels Institute – Fuel Quality Council
National Association of Convenience Stores
National Association of Fleet Administrators
National Association of Truck Stop Operators
National Tank Truck Carriers
National Waste & Recycling Association
Natural Gas Vehicle Institute
Natural Gas Vehicles for America
Pennsylvania Public Transport Association
Society of Independent Gasoline Marketers of America
Solid Waste Association of North America
The Transportation Alliance
Texas Natural Gas Foundation
U.S. DOE's Clean Cities
Western Petroleum Marketers Association