

# B100: A SIMPLE, SUSTAINABLE SOLUTION



Biodiesel is typically blended with petroleum diesel to achieve sustainability goals while keeping fleet performance strong. But do you know your fleet can run on 100% biodiesel? It's time to learn more about B100's benefits, how it can work in your existing diesel fleet, and how it can immediately — and significantly — reduce emissions.

## HOW IT WORKS:

- A diesel vehicle can run on B100 365 days a year with an easy and affordable upgrade.
- The fuel storage system includes a split tank for petroleum diesel in one section and biodiesel in another.
- Diesel is used on start-up to prevent any cold flow issues.
- The system warms the biodiesel and automatically switches the truck to 100% biodiesel.
- At shut-off, the truck idles long enough to replace the B100 in the lines with diesel.

## FUELING INFRASTRUCTURE

Biodiesel can be used in the same tanks and dispensing infrastructure as ULSD. Fleets using B100 typically install a dedicated biodiesel tank because they still use petroleum diesel or biodiesel blends. REG will work with you to review existing infrastructure and determine whether any changes are needed.

*“Going to B100 with this particular technology is extremely practical for us. It's a great first step as we get aggressive with our sustainability program. It works beautifully.”*

**RICH IVERSON**  
Fleet Support Manager  
City of Ames, Iowa

## WHAT MATTERS MOST

### EMISSIONS

A growing number of cities and states are mandating clean air changes, and more fleets and their customers are setting sustainability targets of their own. Simply put: we need to do better now — not a few years down the road.

Biodiesel is one of the most effective fuels available for reducing harmful emissions. Take a look at the results from our best-in-class biodiesel:<sup>1</sup>



**B100 vs. ULSD**

**88%**  
less CO<sub>2</sub>



**B100 vs. CNG**

**85%**  
less CO<sub>2</sub>



**B100 vs. EV**  
(average grid)

**65%**  
less CO<sub>2</sub>

### PERFORMANCE

Biodiesel can give fleets maintenance and performance advantages:

**B2**  
(2% Biodiesel) = **MORE LUBRICITY**  
than required by the ASTM spec for diesel

*Those benefits are even greater with B100.*

**SHORTER IGNITION TIME** = **MORE COMPLETE COMBUSTION** = **EFFICIENT ENGINE OPERATION**

*That's because biodiesel's Cetane spec is higher than diesel's ASTM requirement.*

**A CLEANER BURN** = **LESS SOOT TO THE DPF** = **FEWER DPF REGENS AND WEAR**

*Reduce diesel particulate filter headaches with biodiesel's clean burn.*

*“We were looking for a solution to maximize emissions reductions while minimizing any effect on operations.”*

**CHRIS GELDART**

Director, Washington D.C. Department of Public Works

## ABOUT REG

Renewable Energy Group is leading the energy industry's transition to sustainability by transforming renewable resources into high-quality, cleaner fuels that can be implemented today. We are North America's largest producer of biodiesel, with a sophisticated supply chain and strong partnerships with fuel distributors, retailers and fleets nationwide. From 2010 to 2019, the clean fuels we produced accounted for a **reduction of 2.3 billion metric tons of carbon.**

## EXPLORE B100 FOR YOUR FLEET

Biodiesel's supply is widely available, and it's a simple modification to switch to B100. So why not start reducing emissions today?

**➤ CONTACT US AT (844) 405-0160 OR CONNECT@REG.COM TO GET STARTED.**

regi.com

<sup>1</sup>UCO biodiesel from REG Albert Lea biorefinery; carbon reduction based on lifecycle analysis based on CA-GREET 3.0; utilized EV EER of 5.0 for heavy-duty vehicles.



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