REDUCING EMISSIONS AND HELPING TO IMPROVE CALIFORNIA’S AIR QUALITY

The Duramax Diesel Now Runs Cleaner

With NOx emissions reduced by at least 63 percent, this is the cleanest Duramax diesel ever built. The key is the new Selective Catalytic Reduction (SCR) after-treatment system that uses urea-based Diesel Exhaust Fluid (DEF).

When the engine is running, small amounts of DEF are injected into the exhaust stream where it works with a catalyst to convert NOx emissions into water vapor and nitrogen.

DEF is housed in a 5.3-gallon tank, which should last about 5,000 miles, depending on the type of driving with the fill point located under the hood and marked with a blue cap.

2012 CHEVY SILVERADO 2500HD

Did you know... California ranks second nationwide in registrations of diesel-powered pickup trucks? Over 13 percent of all pickups in California have diesel engines.

Greater Highway Fuel Economy

The 2012 Duramax delivers up to 11 percent greater highway fuel economy than 2010 models. The new 36-gallon fuel tank, combined with these fuel economy improvements, enables a highway driving range of up to 680 miles. Several improvements play a part in this impressive result. They include:

- A lower idle speed (reduced from 720 to 640 rpm).
- Optimization of the combustion and after-treatment systems to increase miles between regenerations of the Diesel Particulate Filter. Every regeneration cycle uses about 0.7 gallon of fuel. The cycle in the 2012 Duramax has been increased up to 700 miles (from 400 on the 2010 Duramax), contributing to the greatly improved highway mileage.