



# Near Zero Emission Natural Gas Engine

INTRODUCING THE

**ISL G NEAR ZERO**



Performance and efficiency matches the current ISL G engine

Improves air quality and lowers noise pollution

Efficient Emissions Reduction - more vehicles per \$ than electric-powered vehicles

Cooled Exhaust Gas Recirculation and Closed Crankcase Ventilation (CCV)

Spark-ignited, Stoichiometric Combustion and Three-Way Catalyst

Manufactured by Cummins and backed by Cummins Factory Warranty

For more detailed engine information refer to ISL G Bulletin 4971499 or visit: [cumminswestport.com](http://cumminswestport.com)

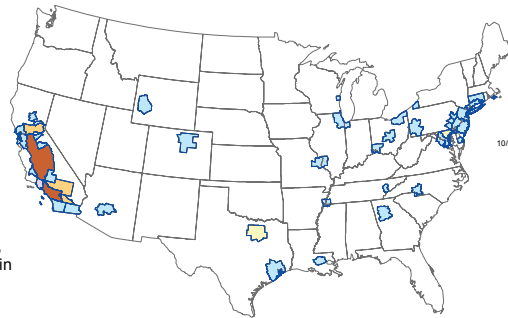
## Reduced Emissions from Trucks and Buses

- > Certified to EPA and California Air Resources Board optional Near Zero emissions standard
- > Reduces smog forming NOx emissions by 90% vs. EPA 2010
  - One 2010 certified vehicle = the NOx emissions of TEN ISL G Near Zero vehicles
  - Cost effective technology for Clean Air Act Ozone None Attainment areas
- > Reduces Greenhouse Gas emissions by 15%

### 8-Hour Ozone Nonattainment Areas (2008 Standard)

- 8-hour Ozone Classification**
- Extreme
  - Severe 15
  - Serious
  - Moderate
  - Marginal

Nonattainment areas are indicated by color. When only a portion of a county is shown in color, it indicates that only that part of the county is within a nonattainment area boundary.



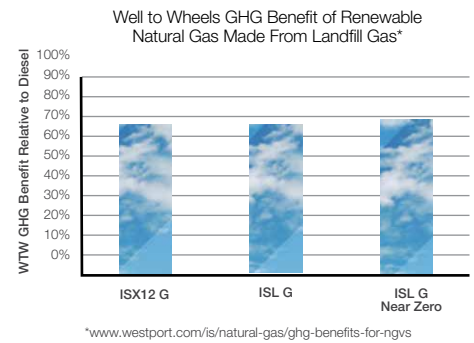
## Cost Effective Emission Reduction

- > Proven technology - over 40,000 ISL G vehicles delivered
- > Reduced Emissions now: Immediate Urban Air Quality benefit for:
  - New vehicles
  - Repowers of existing CNG trucks and buses
- > Lowest cost Near Zero option
  - Minimal cost impact vs current natural gas product
  - No infrastructure changes for current NG fleets
  - Vehicles cost up to 70% less than electric
- > Available for transit and shuttle buses, school bus, refuse, vocational, and conventional trucks.



## Renewable Fuel

- > Capable of operating on 100% Renewable Natural Gas (RNG) (Methane gas naturally produced from composting or landfills)
- > Offers significant Near Zero Greenhouse Benefit (+70%)
- > Meets California 2023/2031 NOx and petroleum reduction goals now



## The Natural Choice

- > Cleanest Internal Combustion technology
- > Available today for Buses and Trucks
- > Lowest cost Near Zero emissions option
- > Fueling infrastructure and customer support services in place and growing
- > Uses low carbon natural gas - abundant, domestic supply with stable pricing

