

# Union Pacific No. 7964



Union Pacific's No. 7964 is the 5,000<sup>th</sup> Evolution Series locomotive built by General Electric. The locomotive was built at GE's plant in Erie, Pa., and delivered to UP in June 2012. Because it is one of the newest, most reliable and most fuel-efficient high-horsepower locomotives in the Union Pacific fleet, No.7964 likely will be assigned to power service-sensitive consists such as automotive and intermodal trains traveling from facilities in Chicago, Dallas, Houston and Marion, Ark., to West Coast facilities in Los Angeles, Northern California and the Pacific Northwest.

The U.S. Environmental Protection Agency (EPA) sets the locomotive emission standards. Over time, these standards require continuing reductions in locomotive exhaust emissions of oxides of nitrogen, particulate matter and other pollutants.

Union Pacific moves one ton of freight nearly 500 miles on one gallon of diesel fuel. To do so, UP has invested in the latest technology.

With more than 80 percent of our road locomotives certified under existing EPA Tier 0, Tier 1 and Tier 2 standards, and more than 190 low-emission switchers, UP operates the cleanest fleet in North America which numbers 8,200.

Since 2000, more than 3,500 new fuel-efficient locomotives have been added to Union Pacific's fleet. More than 2,650 older locomotives were retired, and almost 4,150 locomotive diesel engines were overhauled or rebuilt with emissions control upgrades.

Beyond the approximately \$6 billion spent since 2000 to purchase new environmentally friendly locomotives, Union Pacific is investing millions more in various programs designed to reduce emissions in older locomotives.

#### **About UP No. 7964**

**Model** GE 4400-horsepower "C45ACCTE"

**Weight** 210 tons

**Length** 73 feet, 2 inches

**Width** 9 feet, 11 inches

**Height** 15 feet, 5 inches

**Maximum speed** 75 miles per hour

**Engine** 12-cylinder diesel