

US EPA West Coast Collaborative Meeting

**May 31, 2012
Seattle, WA**

**Cleaner Locomotive Activities in the
Western U.S.**

RailAmerica by the numbers



- 7,545 miles of track
 - 4,590 owned
 - 2,955 leased
- 215 track miles available for storage and 132 miles of that is in use today (down from a high of 153 miles).
- 425 locomotives
 - 260 owned
 - 165 leased
- ~ 8,300 railcars
 - 600 owned
 - 7,700 leased
- 34 locomotive shops and 34 car repair facilities
- Over 1,800 employees (~ 40% union)
 - ~160 employees are with Atlas Railroad Construction
 - ~200 in Jacksonville
- Successful renegotiation of all 34 collective bargaining agreements in the past three years



RailAmerica, Inc. owns and operates short-line and regional freight railroads in North America, operating a portfolio of 45 individual railroads with approximately 7,400 miles of track in 28 U.S. states and three Canadian provinces.





Short line (n): a small or regional railroad company that preserves freight rail transportation alternatives to local communities by maintaining connectivity to the national railroad network that would otherwise be lost.

RailAmerica's Western Region Operations

Cascade & Columbia River Railroad



Puget Sound & Pacific Railroad



Central Oregon and Pacific Railroad

California Northern Railroad



San Joaquin Valley Railroad



Ventura County Railroad



San Diego & Imperial Valley Railroad



Arizona and California Railroad



In 2010 RA Western Region handled 127,438 carloads = 892,066 trucks

Green Fleet Locomotives

- SDIV -2 Genset NRE Built 2,100HP 4 axle units.
- CFNR -6 Genset NRE Built 2,100HP 4 axle units.
- CORP -11, GP20D, 2,000HP 4 axle units, 4 stroke Caterpillar engines.
- PSAP -3 GP20D, 2,000HP 4 axle units, 4 stroke Caterpillar engines.
- SJVR –Progress Rail PR30B 3,000HP 4axle unit-1 new unit on the way, agreement in place for 3 additional units to be delivered to SJVR by end of Summer 2012.
- DGNO 5 Genset NRE Built Locomotives.
 - 2 each 2GS14B 1,400 hp, B – 4 axle
 - 3 each 3GS21C 2,100 hp, C- 6 axle
- DGNO has an agreement for 7 additional proposed repower units under the TERP program.
 - RJ Corman Railpower units are proposed for this program.





The San Diego and Imperial Valley Railroad





501

CFNR 501

3GS21B-DE

Ultra-low
Emissions
Diesel Genset
Schuler

MADE IN AMERICA

California Northern Railroad





CORP
2005

CENTRAL OREGON &

EMD GP20-D

EMD GP20-D
This 2005 EMD GP20-D locomotive is the first of its kind in the Central Oregon & Pacific Railroad fleet. It is a 2005 EMD GP20-D locomotive with a 2005-2 emissions package.
THIS LOCOMOTIVE BURNS LESS THAN HALF THE FUEL OF OUR CURRENT FLEET

OPERATION
LIFESAVER
Oregon

Rail America



Oregon
Department
of Transportation





SJVR 3000

JOAQUIN VALLEY RAILROAD





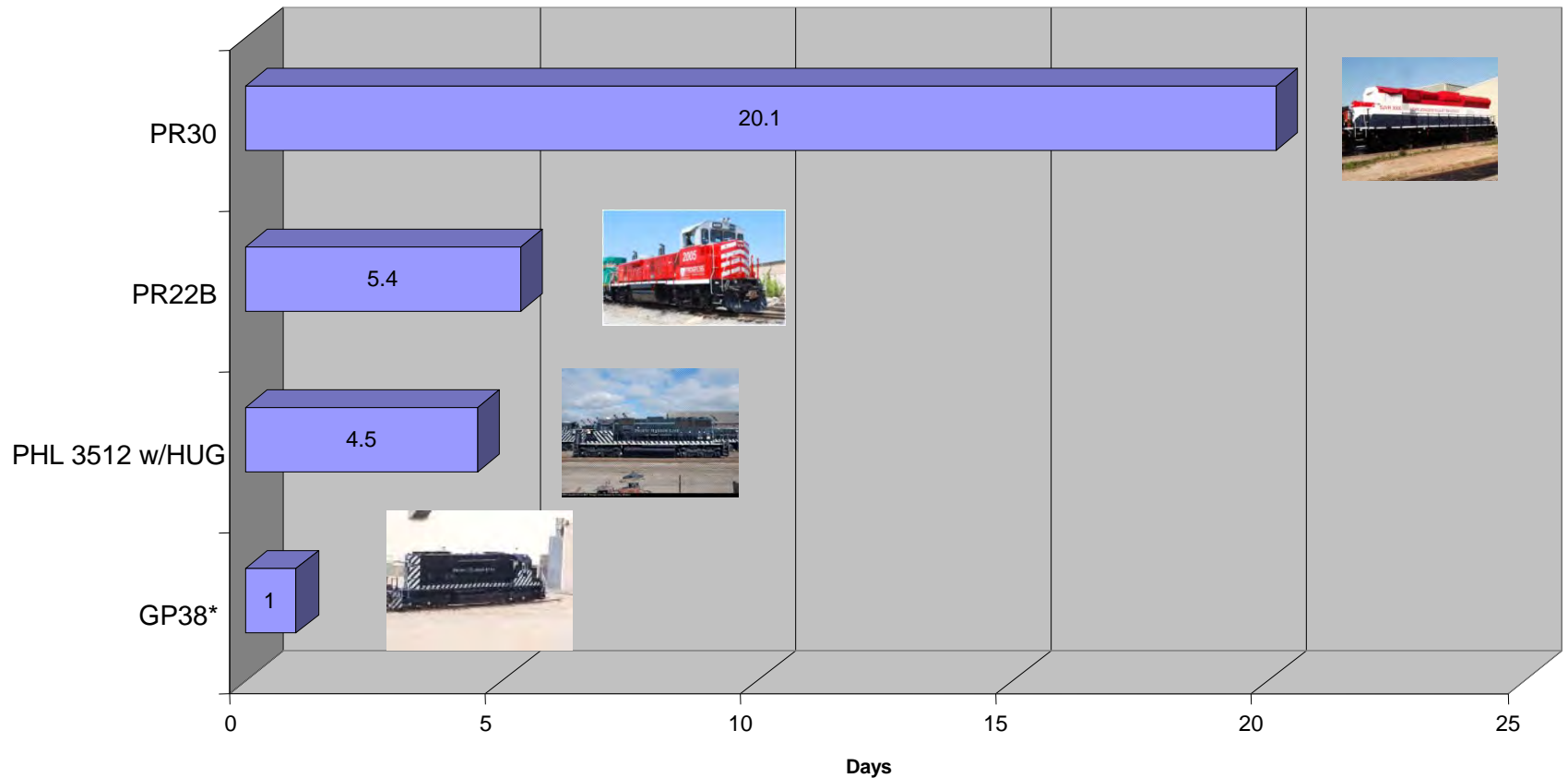


Eco-Friendly

- Reduces diesel fuel use and greenhouse gas emissions up to 50%
- Can reduce nitrogen oxides (NOx) and particulates by 80-90%
- Certified to Cleaner Levels Than Current Tier 3 Loco Emission Regulations



Days of Operation for Equivalent Emissions



*Emissions calculations weighted based on equivalent power to EMD 645 Roots Blown Unregulated Locomotive.

** The total regulated emissions defined from California Emerging Technologies Funding Application includes: NO_x, HC, CO, & PM

*** EPA Emissions Line Haul Cycle Used

Progress Rail PR30 – Tier 4 Linehaul

- Tier 4 Linehaul ARB Verified DOC/SCR system
- PR30 is FIRST 3000 hp locomotive with SCR aftertreatment system packaged in a locomotive
 - Caterpillar Clean Emissions Module (CCEM)
 - Specialized mounting structure for CCEM assembly
 - Diesel Exhaust Fluid (DEF) tank & support equipment
- Five (5) locomotives in service in California/Arizona with working SCR
- Repowered GP/SD40 Locomotive





• **Total SCR hour accumulation on Locomotive > 29,000**

- 3002 – 6380 hours
 - 3003 – 6818 hours
 - 3004 – 4863 hours
 - 3005 – 5852 hours
 - PHL-40 – 4977 hours
 - SJVR3000 – 147 hours
- Upgrade Tier 0 locomotive to meet Tier 4 EPA Linehaul levels.
 - Tier 4 ARB Verified SCR system for PR30 Locomotive.
 - Up to 7.5% Fuel & DEF Consumption Benefit vs. Tier 0 on EPA Linehaul Cycle.
 - > 29k Hours of Proven Durability.

Contact Information

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