As the enormous hulk of the first of Union Pacific's new 4-8-8-4s emerged in ALCO's erecting plant in Schenectady, NY, a worker looked upon the brute and simply chalked "Big Boy" on the engines side. The apt but impromptu name stuck. This meant it had to be powerful enough to drag the train up the 1.14% grades without helpers and fast enough to maintain schedules on the rest of the section.

What set the 25 Big Boys apart from other massive steam locomotives was not just its size but its purpose. The Union Pacific wanted a single locomotive capable of pulling 3,600 ton trains between Ogden and Wasatch. Railroad engineers and of course fans traveled to the hills of Wyoming from around the world to see these engineering marvels.

The Big Boys spent their entire careers in this role and on this specific line – if for no other reason than no turntable or roundhouse track existed anywhere else on the system that could accommodate their 132' 9 ¼" length! While their territory was limited, their fame was not.

Unfortunately for the Big Boys, the Union Pacific would ultimately find its "jack-of-all-trades" locomotive solution along with the rest of the railroads – in the diesel-electric. The last revenue run of a Big Boy came in 1959. While some remained on the roster for an emergency call that never came, by 1962 the eight survivors could be found only in museums.

Each of Lionel's new Vision Line Big Boys represents one of these surviving legends. This includes No. 4014 – which may one day soon run under its own power along Union Pacific's mainline. The locations for the others are as follows:

- UP 4004 – Cheyenne, WY
- UP 4005 – Denver, CO
- UP 4006 – St. Louis, MO
- UP 4012 – Scranton, PA
- UP 4014 – Pomona, CA – Cheyenne, WY
- UP 4017 – Green Bay, WI
- UP 4018 – Frisco, TX

HISTORY OF THE UNION PACIFIC BIG BOY

Whistle Steam

Dual Stack Smoke

Blowdown Steam

BONUS LCS SensorTrack™ with power supply

AFTERBEFORE

BONUS - So that you can immediately enjoy all of the built-in featureS of thiS new loco we are including a free lcS SenSortrack™ and Power SuPPly!

NEW VISION BIG BOY FEATURES:

Dual Stack Smoke and Dual Chuff Sound:
Each of the Big Boy's 8 driver pairs required its own exhaust. Since the two sets were not in sync with each other, neither were the exhaust chuffs. Once the train got rolling, the thunderous exhaust appeared like a single, continuous blast but as the Big Boy got underway you could clearly see, and hear, the dual exhaust. For the first time ever, each stack on the Lionel Big Boy has its own smoke unit. As you run your locomotive at low speed, you'll get the unparalleled realism of distinctive dual chuffs. And with that second smoke unit, as the train gathers speed you'll enjoy the extra volume of smoke as well.

Whistle Steam:
This feature is still one of your favorites and ours. Despite all of the extra smoke effects, it just wouldn't have been a Vision Big Boy without a plume of "steam" from the whistle.

Blowdown Steam:
Despite efforts to ensure the purity of the water used in locomotive boilers, impurities were always present. As the water evaporated to steam, these impurities remained. Routine blowdown of the boiler helped wash away the materials to keep the locomotive running efficiently between services. Steam blowdown valves on each side of the firebox emit great clouds as you "steam clean" your boiler.

Stereo Sounds:
On a locomotive as large as the Big Boy, you could hear different noises coming from different places. Thanks to three on-board speakers – two in the tender and one in the boiler – you'll get unmatched sound quality from this Vision locomotive. Some sounds will be localized; others shared across speakers for dramatic and realistic effect.

Depleting Coal Load:
You've been running your Big Boy for almost an hour, how can the coal still be full? Thanks to this new Vision feature, it won't be! For the first time ever on an O Gauge model, the coal load in the tender of your Vision Big Boy will automatically drop as you run your train. This visual effect is tied into the LEGACY control system – meaning the harder you work your train the sooner you're going to need to stop to reload. This sophisticated system tracks the engine's speed and labor to calculate the rate of fuel consumption. When you're running low, you can "refill" the tender coal and water with accompanying sound effects. A "Demonstration" mode will also be available for when you want to show off this great feature in a hurry.

Use the Big Boy in conjunction with our new LCS SensorTrack™ to get the most out of your experience. Any more realistic and you'd have to wear gloves!

The VISION Big Boy Will Be Made To Order
COMING 2014

TO lEaRN MORE aBOuT ThE VISIONlINE BIG BOy GO TO lIONEl.COM

*Pre-production samples shown
VISION BIG BOY FEATURES:

- **LEGACY Control System** equipped – able to run in LEGACY Control mode, in TrainMaster Command Control mode, or in Conventional mode with a standard transformer.

- **Odyssey II Speed Control** with On/Off switch.

- **LEGACY RailSounds** sound system featuring:
  - CrewTalk dialogue and TowerCom announcements, each with different scenarios depending on whether the locomotive is in motion or stopped.
  - Six official railroad speeds with Crew-Talk dialog.
  - DynaChuff synchronized chuffing that shifts through 32 levels of intensity as the locomotive gains speed.
  - LEGACY "Real-Time Quilling Whistle" control with instant response for realistic signature "quilling" and correctly timed warning signals.
  - Single hit or continuous mechanical bell sounds.
  - Sequence Control plays the sound effects of an entire trip, including warning sounds and announcements, based on the movement and speed of the locomotive.
  - Current speed and fuel dialog, refueling sound effects.
  - Four chuffs per drive wheel revolution.

- **New! Dual Sounds** (or Stereo Sounds) – With a sound system equipped in the locomotive as well as the tender, Dual Sound enhances sound realism and localizes a wide variety of authentic sound effects.

- **IR Sensor-equipped**

- **Powerful maintenance-free motor with momentum flywheel**

- **Wireless Tether** connection between locomotive and tender.

- **New! Depleting Coal Load** in tender responds to actual running time, engine speed and labor.

- **ElectroCoupler** on rear of tender.

- **High level of separately applied detail parts**

- **Directional lighting including operating headlight and back-up light on rear of tender**

- **Illuminated classification lights on the front of locomotive**

- **Traction tires**

- **Interior illumination in cab**

- **Die-cast metal locomotive body, pilot, and trucks**

- **New! Blowdown Steam** on each side of the firebox.

- **New! Whistle Steam** smoke effect in sync with whistle sound.

- **New! Dual Smoke** – Each stack is equipped with its own smoke unit, released in sync with dual chuff sounds.

- **Die-cast metal tender body and trucks**

- **High level of separately applied metal details**

- **Separately applied builder's plates**

- **4 Fan-driven smoke units**

- **Adjustable smoke output**

- **Authentically detailed cab interior**

- **Glowing firebox in cab**

- **Glowing ashpan**

- **Cab window "glass"**

- **Engineer/Fireman figures**

*Pre-production sample shown*