

RTD's new commuter rail vehicle will start operating on the East Rail Line, Gold Line and first segment of Northwest Rail in 2016.



### RTD COMMUTER TRAIN HIGHLIGHTS:

- Passenger capacity per car: 232 (90 seated, 142 standing)
- Rail car dimensions: 85 feet long, 10 feet wide, 15 feet tall
- Power: Electric, overhead catenary 25kV, 60Hz
- Maximum operating speed: 79 mph
- Stainless steel vehicle exterior
- Sustainable, efficient dynamic braking system including electric regeneration
- Enhanced safety features including positive train control and vehicle monitoring system technologies
- Security with video surveillance visible to the operator and security control
- Real-time passenger information system
- ADA-compliant level boarding entry at all doors
- Exceeds ADA requirement with two wheelchair locations and wider entrance vestibule
- High passenger comfort: seat pitch of 32.5", LCD displays, wide windows



## Frequently Asked Questions:

**Who manufactures this train?** Hyundai Rotem USA, a leading railcar manufacturer that has produced more than 15,000 electric and diesel railcars. Over 60 percent of the vehicle components will be made in America.

**Why do you use two cars (married pairs?)** RTD will use married pairs for the East Rail Line, Gold Line and the first segment of the Northwest Rail. Married pairs are more cost effective to use. They also allow a better use of space as an operating cab is not needed at each end of each car.

**Why not use light rail vehicles?** The freight railroads whose corridors we are sharing require RTD to use heavier commuter rail cars that comply with Federal Railroad Administration safety standards.

**What will the fare be on commuter rail?** RTD current fare structure is based on zones. The RTD Board of Directors will decide on the fare prior to opening day in 2016.



## Rail Technology Comparison

Commuter Rail	Light Rail
Powered by 25kV alternating current overhead electrical system	Powered by 750 V direct current by overhead electrical system
Typically serves longer lines with fewer stations	Can operate along crowded, narrow streets
Can operate up to 79mph	Can accelerate and decelerate quickly; top speed 55 mph
Capacity of 90 seats, 142 standing	Capacity of 64 seats, 121 standing

