



Amtrak Intercity Trainset Program

Jeremy Latimer

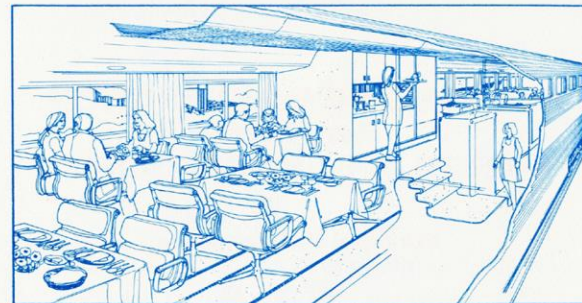
Director of Rail Services



New **Amfleet** cars mean expanded service for you.

By early 1978 Budd Corporation will have built 492 new Amfleet passenger cars. Almost 8 continuous miles of gleaming stainless steel equipment that will comprise nearly a quarter of the entire Amtrak passenger fleet.

Amfleet's Design for the Future:



Bi-level cars with high level visibility and dining high above the rails.

Amfleet:

THE GREATEST ADVANCE IN TRAIN TRAVEL SINCE AMTRAK TURBO TRAINS

New French Turbo trains capable of speeds up to 125 MPH are replacing conventional Amtrak service between Detroit and Chicago. In addition, the Chicago/ Detroit route is the first route in the system to completely refurbish its turboliner equipment and interiors.



America's inter-city rail passenger service.



A photograph of an Amtrak train crossing a large stone arch bridge over a river. The scene is set at sunset, with a warm orange and yellow sky. The train is moving from left to right. A white silhouette of the state of Virginia is overlaid on the right side of the image, partially obscuring the train and the bridge.

Amtrak Intercity Trainset Program (ICT)

- Replace Amfleet 1 Coaches & locomotives in NEC and multiple State routes
- Replace Talgo Equipment (Pacific NW)
- Upgrade and build new service facilities
- Enhance maintenance thru Technical Support and Spares Supply Agreement (TSSSA)
- \$7.3B Total Program Cost
 - \$3.4B Equipment Acquisition
 - BIL will cover rolling stock, design, testing, commissioning, training, technology upgrades, PM – pending FRA approval
 - States pay TSSSA over life of equipment cost
- 2026 first delivery of new equipment in VA
 - Full delivery to Virginia service by 2028

Active negotiations – dates and costs can change.



Framework for Amtrak-State Cooperation

- State-Amtrak Intercity Passenger Rail Committee
 - SAIPRC organizes the States' voice.
 - State-supported/NEC service will benefit from this procurement.
 - Long Distance service will not benefit from this procurement.
- Amtrak owned equipment is a national asset
 - Virginia pays an equipment charge associated with percentage use of the fleet.
 - Virginia does not own any intercity trainset equipment or service facilities.
- Virginia service is connected to the NEC
 - VPRA-Amtrak funding agreement requires NEC connections for Virginia services.
 - B-1 and B-2 equipment for NER and Virginia routes.

Benefits to Virginia Amtrak Service

- Dual Power Locomotives
 - Reduce dwell time in Washington, D.C.
 - Reduce overall trip times between Virginia and NEC
- Push-pull Trainsets
 - Improved network fluidity and turning
 - Reduced capital cost
- Café Car Modernization
 - Self-serve and full-service options
 - Technology enhancements (dynamic menu, ordering)
- Bike/Luggage Accommodations
 - Flex space for luggage
 - 6-10 bikes onboard
 - 8-12 bikes in luggage cab car (most VA services)



Environmental Benefits of Passenger Rail

- Passenger Rail is the most energy efficient over air, auto, or bus on a Passenger Miles of Travel (PMT) basis
- Amtrak's Existing Fleet (Diesel & Electric):
 - 55% more energy efficient per passenger-mile than light trucks
 - 47% more energy efficient than automobiles
 - 33% more energy efficient than domestic airlines
- Intercity Passenger Rail mitigates Air Pollution
 - Removes tens of millions of passengers a year from highways and airports
 - Encourages denser development around stations with connections to other modes



Environmental Benefits of the New Fleet

- New Amtrak Intercity Train Sets will be more efficient than current Amtrak fleet.
 - 85% reduction in Volatile Organic Compounds
 - 70% reduction in Carbon Monoxide
 - 85% reduction in Nitrogen Oxides
 - 95% reduction in Particulate Matter
- Impacts grow as ridership grows.



TRAIN TRAVEL JUST GOT EVEN GREENER.

In 2019, Virginia's 924,000 Amtrak riders saved 22k tons of emissions through train travel. While the current fleet is already more environmentally friendly than alternate modes of travel, Amtrak's new fleet will make train travel even faster, more efficient, and **more** enjoyable:



2 FUELS

DUAL-POWERED WITH DIESEL AND ELECTRIC – DIESEL TO BE USED SOUTH OF DC



85%

MORE FUEL-EFFICIENT THAN DRIVING



FASTER STOPS IN DC

THANKS TO SPEEDIER ENGINE CHANGES



75%

MORE ENERGY-EFFICIENT THAN FLYING



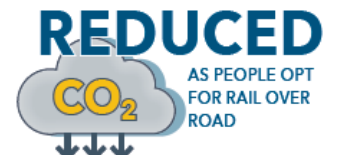
UP TO 95%

FEWER EMISSIONS THAN CURRENT FLEET



271M

PERSONAL VEHICLE MILES SAVED EACH YEAR



REDUCED

AS PEOPLE OPT FOR RAIL OVER ROAD

Learn more at amtrak.com/virginia

TRANSFORMING RAIL TRAVEL

Venture trainsets for Amtrak

SIEMENS MOBILITY Press Release

SIEMENS



#SUSTAINABLE

MULTI-POWERED TRAINS

DUAL-POWER TRAINS

WHICH ELIMINATE EMISSIONS
WHEN RUNNING ON CATENARY LINES



**REDUCING
EMISSIONS**

70%

COMPARED TO TIER 1



INTRODUCING
FIRST OF ITS KIND

**HYBRID
BATTERY
POWER**

PROUDLY SERVING ROUTES IN EIGHT STATES

COMING 2024

#AVAILABILITY

ACTIVE 

**DATA-
MONITORING**

FULLY INTEGRATED

DIGITAL  DIAGNOSTICS

#PASSENGER EXPERIENCE

FULL AMENITY
SEATING 

**HIGH-TECH
& CONNECTED**

**SHORTER
TRIP TIMES**

**EXPANDED
CAPACITY**

ENHANCED ACCESSIBILITY

FOR FOOD SERVICE, RESTROOMS, AND NEW
DOOR SOLUTION WITH WHEELCHAIR LIFTS

EXPECTED TO ADD

1.5 MILLION

PASSENGERS ANNUALLY

#AMERICAN MADE

MANUFACTURED BY SIEMENS MOBILITY
IN SACRAMENTO, CALIFORNIA

2100+

TEAM MEMBERS

2.1MW

SOLAR POWERED



Amtrak Intercity Trainset Program

Thank you