



Equipment Appendices

Historic Opportunities | Amtrak's FY 2022-2027 Service and Asset Line Plans



Amtrak

AMTRAK

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Equipment Appendices

Historic Opportunities | Amtrak's FY 2022-2027 Service and Asset Line Plans

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Appendix A

Amtrak Intercity Rail Passenger Fleet By Type (High-level Summary)

As of 10/1/2021

Fleet Type Description	Active Units	Inactive Units
Amfleet I	435	43
Amfleet II	134	8
Single Level Cab Control Car	37	4
State-Owned/Amtrak Operated	20	1
Heritage	5	137
Diesel Locomotive	284	37
Electric Locomotive	81	4
Horizon	65	34
First-Generation Acela	160	0
State-Owned/Amtrak Operated	9	0
Auto Carrier, Training, or Company Service Cars	83	0
California-Owned Motive Power	14	3
Next-Generation Acela	0	25
Surfliner	49	1
California Cars	91	1
Superliner I	227	39
Superliner II	163	23
Talgo	33	40
Turboliner	0	26
Viewliner I (Prototype)	1	0
Viewliner I	37	13
Viewliner II	117	13
TOTAL	2045	452



Appendix B

Amtrak Equipment Asset Inventory (Detailed)

Subfleet Type Description	Subfleet Type Description	Number of Units	
		Active	Inactive
Amfleet I	Michigan Coach	0	4
Amfleet I	Capstone Business Class (ADA)	39	1
Amfleet I	Coach	0	2
Amfleet I	Capstone Coach (ADA)	312	29
Amfleet I	Club-Dinette	41	3
Amfleet I	All Table Dinette	43	4
Amfleet II	Lounge ("Diner Lite")	21	3
Amfleet II	Coach (ADA)	113	5
Single Level Cab Control Car	Cab/Baggage (N.P.C.U.)	14	1
Single Level Cab Control Car	Cab Conference Car	1	0
Single Level Cab Control Car	Cab/Baggage (N.P.C.U.)	1	0
Single Level Cab Control Car	Cab Control Coach	15	3
Single Level Cab Control Car	Cab/Baggage (N.P.C.U.) (CalTrans Service)	4	0
Single Level Cab Control Car	Oregon-owned Cab/Baggage (N.P.C.U.)	2	0
Heritage	Baggage(Heritage)	0	27
Heritage	Diner	0	5
Heritage	Diner Grill	0	2
Heritage	Ex-Adirondack Car	0	1
Heritage	Amtrak Express Boxcar (no HEP pass-through)	0	67
Heritage	Material Handling Car (HEP pass-through)	0	8
Heritage	Baggage(Heritage)	2	18
Heritage	Crew Dorm	2	8
Heritage	Inspection / Office Car	1	1
Diesel Locomotive	Siemens ALC-42	0	2
Diesel Locomotive	GE P42-8 Diesel Locomotive	174	26
Diesel Locomotive	GE P32-8 Diesel Locomotive	17	1
Diesel Locomotive	GE P40-8 Diesel Locomotive	11	5
Diesel Locomotive	Siemens SC-44 Charger (State-owned)	64	1
Diesel Locomotive	P32ACDM Dual Mode Locomotive	18	0
Diesel Locomotive	Former F40PH Diesel Locomotive	0	2
California-Owned Motive Power	F59PHI / P32-8 (Caltrans)	14	3

Appendix B: Amtrak Equipment Asset Inventory (Detailed), continued

Subfleet Type Description	Subfleet Type Description	Number of Units	
		Active	Inactive
Electric Locomotive	Bombardier/Alstom HHP-8	15	0
Electric Locomotive	Siemens ACS-64	66	4
Horizon	Club-Dinette (ADA)	10	1
Horizon	Coach (ADA)	55	27
Horizon	Full Dinette (ADA)	0	6
First-Generation Acela	Acela Exp. Cafe	20	0
First-Generation Acela	Acela Exp. Mid. Business Class	60	0
First-Generation Acela	Acela Exp. End Business Class	20	0
First-Generation Acela	Acela Exp. First Class	20	0
First-Generation Acela	Acela Exp. Power Car	40	0
State-Owned/Amtrak Operated	NCDOT Owned F59PH/F59PHI locomotive	9	0
Auto Carrier, Training, or Company Service Cars	Auto Carrier Multi-Purpose	77	0
Auto Carrier, Training, or Company Service Cars	Inspection / Office Car	6	0
Next-Generation Acela	Next-Gen Acela Power Car	0	7
Next-Generation Acela	Next-Gen Acela First Class	0	2
Next-Generation Acela	Next-Gen Acela Business Mid	0	10
Next-Generation Acela	Next-Gen Acela Business End	0	2
Next-Generation Acela	Next-Gen Acela Café	0	2
Next-Generation Acela	Next-Gen Acela Business w/First Galley	0	2
Surfliner	Cab/Coach-Baggage**	11	1
Surfliner	Coach**	18	0
Surfliner	Coach/Cafe*	10	0
Surfliner	Business Class Car*	10	0
State-Owned/Amtrak Operated	Coach	14	1
State-Owned/Amtrak Operated	Lounge	6	0
California Cars	California Car Dining Car	16	0
California Cars	California Car Cab Coach	18	1
California Cars	California Car Coach	34	0
California Cars	California Car Baggage Coach	6	0
California Cars	Coach**	3	0
California Cars	California Single Level Co (Comet)	14	0
Superliner I	Diner-Lounge	14	3
Superliner I	Coach (ADA)	64	10
Superliner I	Diner	12	3
Superliner I	Coach (CalTrans Service)	3	0
Superliner I	Snack Coach	7	4
Superliner I	Smoking Coach	0	1
Superliner I	Coach/Baggage	43	2
Superliner I	Lounge	22	8

Appendix B: Amtrak Equipment Asset Inventory (Detailed), continued

Subfleet Type Description	Subfleet Type Description	Number of Units	
		Active	Inactive
Superliner I	Sleeper	55	8
Superliner I	Superliner Coach (CalTrans Service)	7	0
Superliner II	Superliner Coach (CalTrans Service)	1	0
Superliner II	Coach ("Arcade") Modified (ADA)	5	0
Superliner II	Coach (ADA)	29	1
Superliner II	Deluxe Sleeper	6	0
Superliner II	Diner	28	2
Superliner II	Lounge	20	3
Superliner II	Superliner Sightseer Lounge (CalTrans Service)	1	0
Superliner II	Sleeper	46	1
Superliner II	Transition Dorm / Transition Sleeper	27	16
Talgo	Talgo Bike/Baggage Car	2	4
Talgo	Talgo Dining (Table) Car	4	3
Talgo	Talgo ADA Coach	0	3
Talgo	Talgo End Power / Cab Car	2	0
Talgo	Talgo Business Class Car	0	3
Talgo	Talgo Bistro Car	3	3
Talgo	Talgo End Power Car	3	3
Talgo	Talgo ADA Business Class Car	4	3
Talgo	Talgo ADA Coach	6	3
Talgo	Talgo Standard Coach	1	15
Talgo	Talgo ADA Coach w/o Toilet	8	0
Turboliner	Turboliner	0	4
Turboliner	Turboliner	0	5
Turboliner	Turboliner	0	6
Turboliner	Turboliner	0	11
Viewliner I (Prototype)	Diner	1	0
Viewliner I	Sleeper	37	13
Viewliner II	Baggage-Dorm	10	0
Viewliner II	Sleeper	25	0
Viewliner II	Diner	19	6
Viewliner II	Baggage	63	7
Total		2045	452

Active units include equipment currently in-service, including equipment in maintenance shops for routine inspection or overhaul work.

Inactive units include equipment placed in long-term storage pending different business needs, damaged equipment awaiting repair, etc.

Information based on October 2021 query of Amtrak's Operations Maintenance System and subsequent review by Amtrak System Operations and Finance.

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Appendix C

Active Passenger Fleet Age

Amtrak's Active Fleet of Operated Passenger Equipment, Start of FY 2022 (October 1, 2021)

Fleet Type	Ownership Status	Active Fleet	Ave. Yr. Built	Ave. Unit Age (Yrs)	Notes
AMTRAK-OWNED/LEASED LOCOMOTIVE FLEETS					
ALC-42	Amtrak-owned	0	2021	0	First trainsets undergoing testing, not yet active for revenue service
GE P42-8 Diesel	Amtrak-owned	174	1998	23	
GE P32-8 Diesel	Amtrak-owned	17	1991	30	
P32ACDM Dual Mode	Amtrak-owned	18	1996	25	
GE P40-8 Diesel	Amtrak-owned	11	1993	28	
Siemens ACS-64 Electric	Amtrak-owned	66	2014	7	
HHP-8 Electric	14 of 15 units owned	15	2000	21	In reserve status
AMTRAK-OWNED/LEASED RAILCAR FLEETS					
Heritage	Amtrak	5	1954	67	
Amfleet I	Amtrak	435	1976	45	
Amfleet II	Amtrak	134	1982	39	
Ex-Metroliner	Amtrak	16	1967	54	
Horizon	Amtrak	65	1989	32	
Superliner I	47 leased, rest owned	227	1980	41	As of Dec. 2021, 47 units remain under lease; remaining Superliners are owned
Superliner II	Amtrak	163	1995	26	
Viewliner I	Amtrak	38	1996	25	
Viewliner II	Amtrak	117	2015	6	
NPCU (former F40PH)	Amtrak	19	1977	44	F40PH locomotives built 1977 and rebuilt into NPCUs
Auto Carrier	Amtrak	77	2005	16	
TRAINSET FLEET OWNED/LEASED BY AMTRAK					
First-Gen Acela	18 sets owned, 2 leased	160	1999	22	Does not include Acela Inspection Car (non-passenger equipment)
Next-Gen Acela	Amtrak	0	2021	0	First trainsets undergoing testing, not yet active for revenue service
STATE-OWNED FLEETS OPERATED BY AMTRAK					
California Cars	California	91	1996	25	Most cars are California I built 1996, also includes Comets (1968) and California II (2002)
Talgo	Oregon	33	2013	8	Amtrak, WSDOT trainsets no longer active; Active trainsets are ODOT-owned
Oregon NPCU Units	Oregon	2	1977	44	Subfleet of Amtrak NPCU fleet with an average build date as F40PHs in 1977
NCDOT Railcar	NCDOT	20	1961	60	
NCDOT F59/F59PHI	NCDOT	9	1991	30	
F59PHI / P32-8 (Caltrans)	California	14	1996	25	
Siemens SC-44 Charger	WSDOT, IDOT, California	64	2017	4	8 units owned by WSDOT, 33 units owned by IDOT, 20 units owned by CA, 2 units leased to CA
TRAINSET AND RAILCAR FLEETS WITH OWNERSHIP SPLIT BETWEEN AMTRAK AND STATE PARTNERS AT THE UNIT LEVEL					
Surfliner	Amtrak, California	49	2000	21	Amtrak owns 39 units, California 10 units

Active counts based on October 2021 query of Amtrak's Operations Maintenance Systems (OMS) and subsequent review by System Operations and Finance.

Appendix C: Active Passenger Fleet Age, continued



Total Amtrak-Operated Units:	2,039	Avg. Age:	29.7 Years
Amtrak-owned railcar fleets:	1,296	Avg. age:	35.0 Years
Amtrak-owned trainset fleets:	160	Avg. age:	22.0 Years
Amtrak-owned/leased diesel locomotive fleets:	220	Avg. age:	24.0 Years
Amtrak owned/leased electric locomotive fleets:	81	Avg. age:	9.6 Years
State or split-ownership fleets:	282	Avg. age:	20.3 Years

These figures do not include five company service/inspection cars not used for passenger service, but reflected in Asset Inventory equipment table totals.

Appendix D

Maintenance Facilities

Amtrak Maintenance Facilities

City/State	Facility Name (If not identified by city/state)	Staffed By	Equipment Serviced	Services Performed				
				Turn-around/ Layover Servicing	Periodic Maintenance	LCPM/ Frag- mented Overhaul Work	Over- hauls	Wreck rebuids
AMTRAK MAINTENANCE FACILITIES								
Bear, DE	Amfleet Back Shop	Amtrak	Amfleet, ex-Metroliner, Acela				X	X
Beech Grove, IN	Back Shop	Amtrak	Superliner, Horizon, Surfliner, Viewliner, NPCU, P-40/P-42				X	X
Boston, MA	Southampton Street Yard	Amtrak	Amfleet, Viewliner, ACS-64, P-42, P-40, NPCU, MP-15	X	X	X		
Boston, MA	Southampton Street High-Speed	Amtrak	Acela	X	X	X		
Chicago, IL	16th Street	Amtrak	P-42, NPCU, P-40, SC44		X	X		
Chicago, IL	14th Street (Service & Inspection)	Amtrak	Superliner, Horizon, Amfleet, P-42	X				
Chicago, IL	Brighton Park	Amtrak	Superliner, Horizon, Amfleet	X	X	X		
Hialeah, FL		Amtrak	Amfleet, Viewliner, P-42	X	X	X		
Los Angeles, CA		Amtrak	Superliner, Surfliner, Horizon, SC44, P-42	X	X	X		
New Haven, CT	Parcel G	Amtrak	Amfleet, ex-Metroliner, ACS-64, P-40, P-42, GP 40, MP-15	X	X			
New Orleans, LA		Amtrak	Superliner, Amfleet, Viewliner, P-42	X	X	X		
New York, NY	Sunnyside Yard	Amtrak	Amfleet, Viewliner, ACS-64, P32ACDM, NJ TRANSIT Equipment, ex-Metroliner	X	X	X		
New York, NY	Sunnyside High-Speed	Amtrak	Acela	X	X	X		
Oakland, CA		Amtrak	Superliner, California, Comet, F59, P-42, SC44	X	X			
Philadelphia, PA	Penn Coach Yard	Amtrak	Ex-Metroliner, Amfleet, P-42, ACS-64	X	X			
Rensselaer, NY	Albany-Rensselaer	Amtrak	Amfleet, P32ACDM, P-42, P-40, NPCU	X	X	X		X
Sanford, FL	Auto Train Facility	Amtrak	Superliner, P-40, P32, SunRail, Auto Carrier	X	X	X		
Seattle, WA		Amtrak	SC44, P-42, Superliner, Talgo, Sounder	X	X			
Washington, DC	Ivy City	Amtrak	Amfleet, ACS-64, P-42, MARC, Superliner	X	X	X		
Washington, DC	Ivy City High-Speed	Amtrak	Acela	X	X	X		
Wilmington, DE	Locomotive Shop	Amtrak	ACS-64			X	X	X

Note: SC44, MARC, Mafersa, MBB, California and Comet fleets are owned by our State and Commuter partners.

Appendix D: Maintenance Facilities, continued



State Partner-Contracted Maintenance Facilities

City/State	Facility Name (If not identified by city/state)	Staffed By	Equipment Serviced	Services Performed				
				Turn-around/ Layover Servicing	Periodic Maintenance	LCPM/ Frag- mented Overhaul Work	Over- hauls	Wreck rebUILds
STATE PARTNER-CONTRACTED MAINTENANCE FACILITIES								
Brunswick, ME	Brunswick Maintenance Facility (State owned)	Contractor	Amfleet I, NPCU, P-40, P-42	X	X			
New Haven, CT	CDOT (facility state owned)	Amtrak	P-40, GP-40, Mafersa, MBB	X	X			X
Baltimore, MD	Baltimore Penn Station	Amtrak	MARC equipment (HHP-8, MP36, SC44, Kawasaki/Nippon Sharyo/Bombardier Cars)	X				
Raleigh, NC	Capitol Yard	Contractor	State-Owned	X	X			

State Partner-Contracted Maintenance Facilities

Facility Name (If not identified by city/state)	Staffed By	Equipment Serviced	Services Performed				
			Turn-around/ Layover Servicing	Periodic Maintenance	LCPM/ Frag- mented Overhaul Work	Over- hauls	Wreck rebuids
TURNAROUND MAINTENANCE LOCATIONS							
Bakersfield, CA	Contractor	California, Comet, Horizon, F59, SC44	X				
Carbondale, IL	Contractor	Amfleet, Horizon, SC44	X				
Charlotte, NC	Contractor	Amfleet, Viewliner, P-42	X				
Eugene, OR	Contractor	Talgo, SC44	X				
Fort Worth, TX	Amtrak	Superliner, P-42	X				
Goleta, CA	Contractor	Surfliner, Horizon, SC44	X				
Harrisburg, PA	Amtrak	Amfleet, ex-Metroliner, ACS-64, P-42	X	X			
Indianapolis, IN	Amtrak	Amfleet, Horizon, P-42	X				
Kansas City, MO	Amtrak	Amfleet, Horizon, SC44	X				
Montreal, QC	Contractor	Amfleet, P-42	X				
Newport News, VA	Amtrak	Amfleet, P-42	X				
Niagara Falls, NY	Amtrak	Amfleet, P32ACDM, P-42, P-40, MP15, GP (various models)	X				
Norfolk, VA	Contractor	Amfleet, P-42	X				
Oklahoma City, OK	Contractor	Superliner, P-42	X				
Pittsburgh, PA	Amtrak	Amfleet, P-42	X				
Pontiac, MI	Amtrak	Amfleet, Horizon, SC44	X				
Port Huron, MI	Amtrak	Amfleet, Horizon, SC44	X				
Portland, OR	Contractor	Talgo, Superliner, P-42, SC44	X				
Richmond, VA	Amtrak	Amfleet, P-42	X				
Roanoke, VA	Contractor	Amfleet, P-42	X				
Rutland, VT	Contractor	Amfleet, P32ACDM	X				
Sacramento, CA	Contractor	California, Comet, Horizon, F59, SC44	X				
San Antonio, TX	Amtrak	Superliner, P-42	X				
San Diego, CA	Amtrak	Surfliner, Horizon, SC44	X				
San Luis Obispo, CA	Contractor	Surfliner, Horizon, SC44	X				
Savannah, GA	Contractor	Amfleet, Viewliner II, P-42	X				
Springfield, MA	Amtrak	Amfleet, P-40, P-42, Ex-Metroliner	X				
St. Albans, VT	Contractor	Amfleet, P-40, P-42	X				
St. Louis, MO	Amtrak	Amfleet, Horizon, SC44	X				
Toronto, ON	Contractor	Amfleet, P-42	X				
Vancouver, BC	Contractor	Talgo, SC44	X				
Lorton, VA	Amtrak	P-40, Auto Carrier, Superliner	X				
West Quincy, MO	Contractor	Amfleet, Horizon, SC44	X				



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