

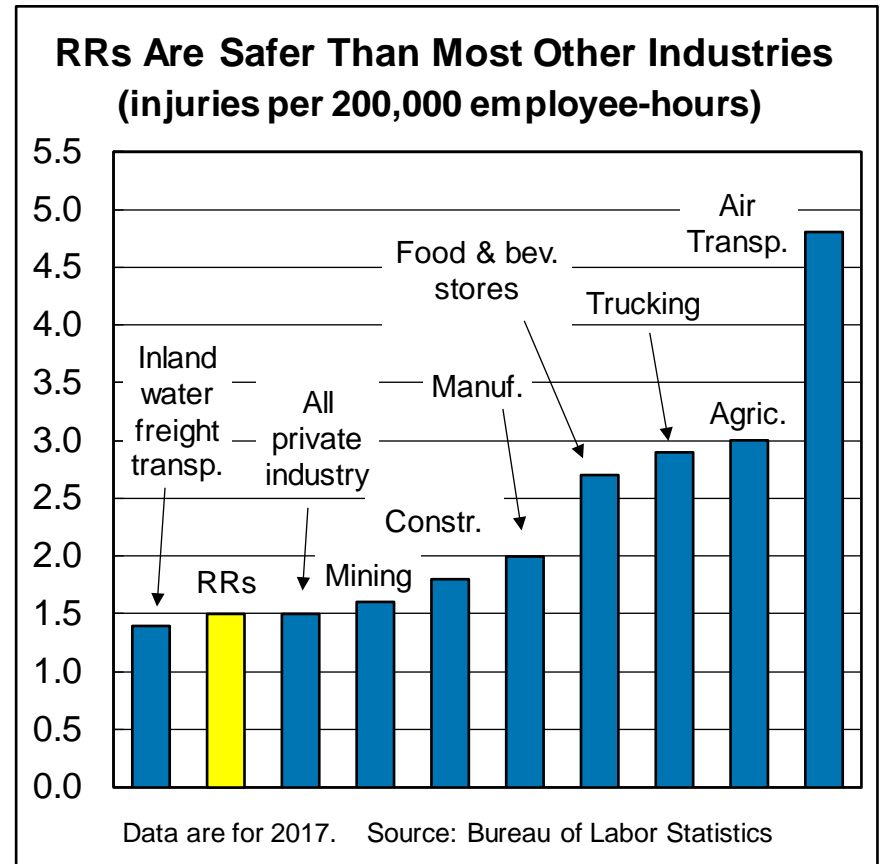
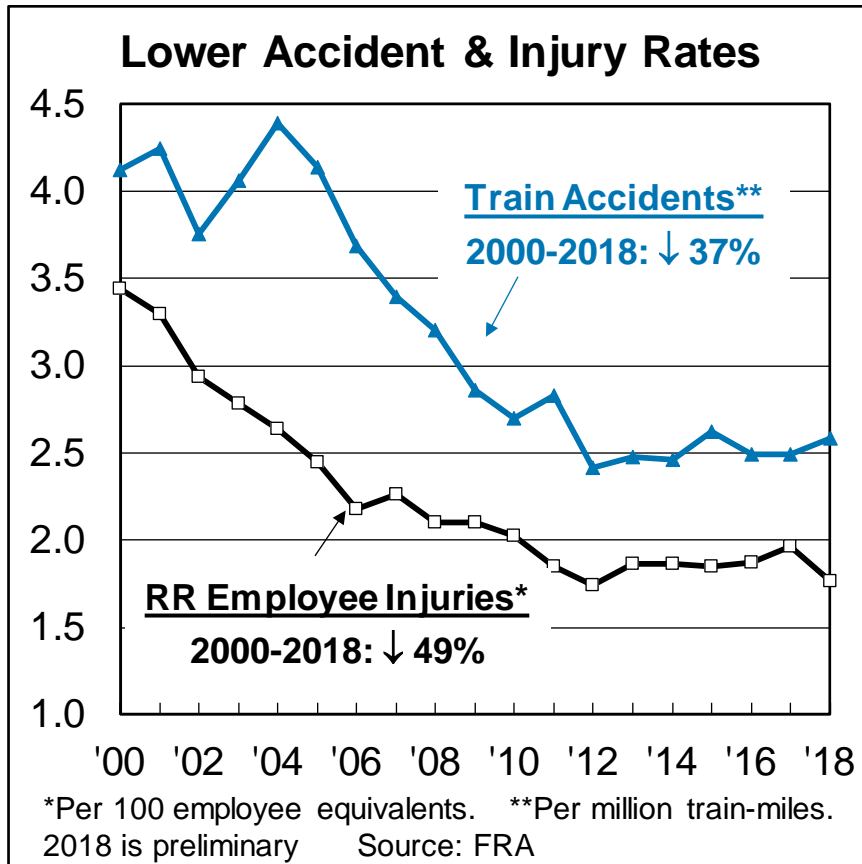


Railroad Industry Report

**Presented to the
Rail Energy Transportation Advisory
Committee
May 15, 2019**



Safe and Getting Safer





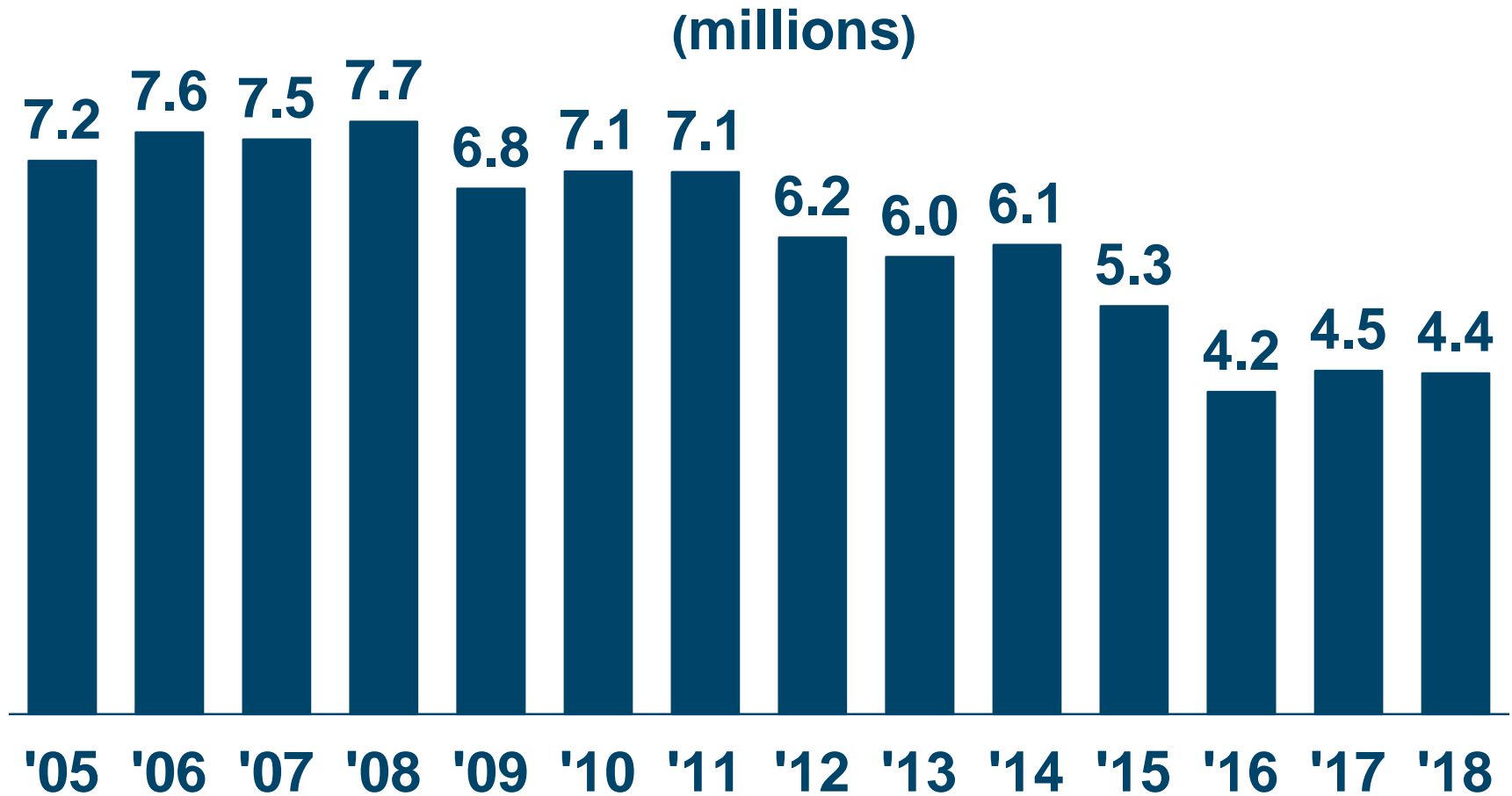
Coal's Share of Electricity Generation Down Sharply

% Share U.S. Electricity Generation

	2000	2005	2010	2015	2018
Coal	52%	50%	45%	33%	27%
Natural Gas	16%	19%	24%	33%	35%
Nuclear	20%	19%	20%	20%	19%
Renewables	2%	2%	4%	7%	10%
Hydro	7%	7%	6%	6%	7%
Other	3%	4%	1%	1%	1%



Sharp Decline in Rail Coal Carloads

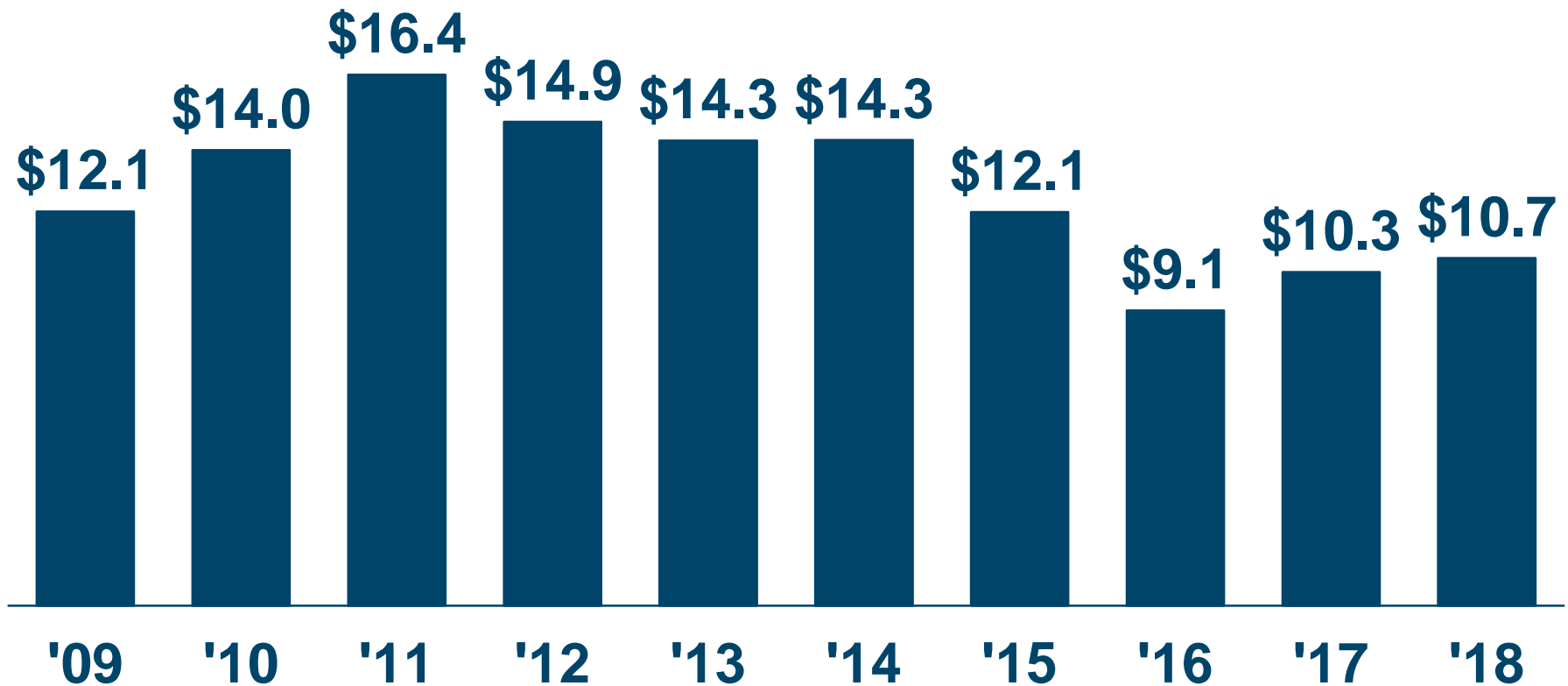


Data are originations for Class I railroads. Source: AAR *Freight Commodity Statistics*



U.S. Rail Revenue From Coal

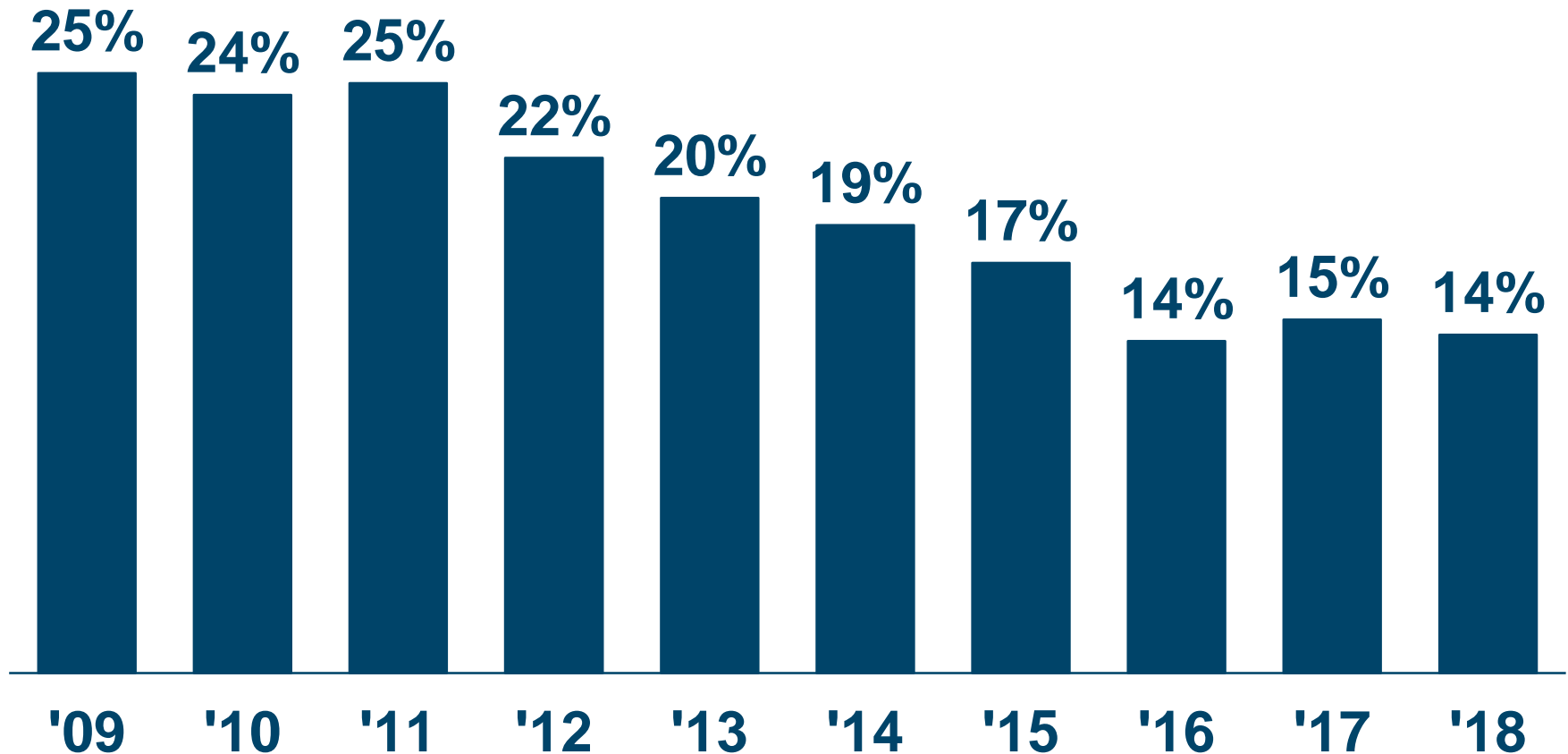
(\$ billions)



Data are for Class I railroads. Source: AAR *Freight Commodity Statistics*



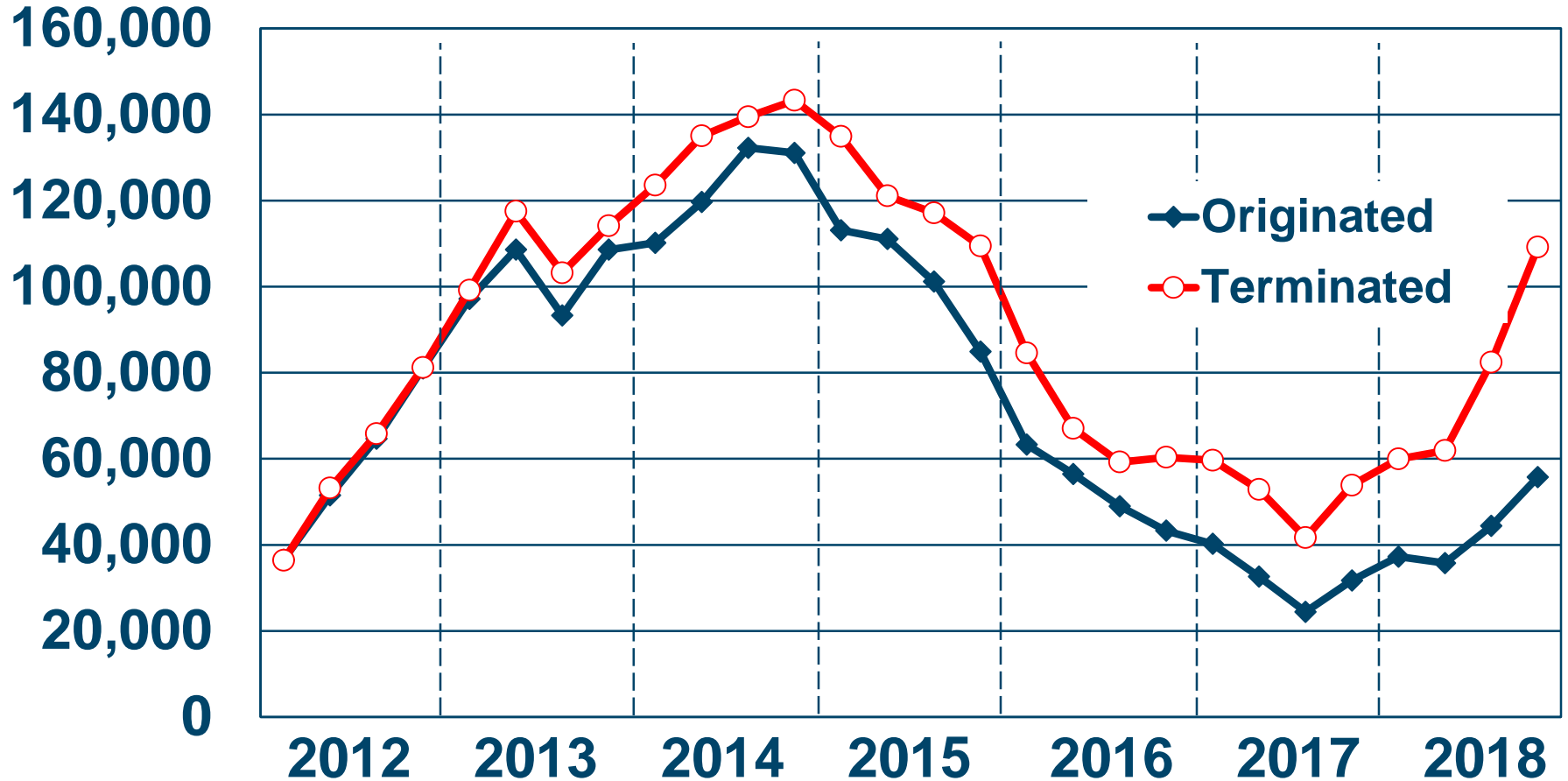
Coal as % of U.S. Class I Railroad Revenue



Source: AAR *Freight Commodity Statistics*



U.S. Rail Carloads of Crude Oil by Quarter

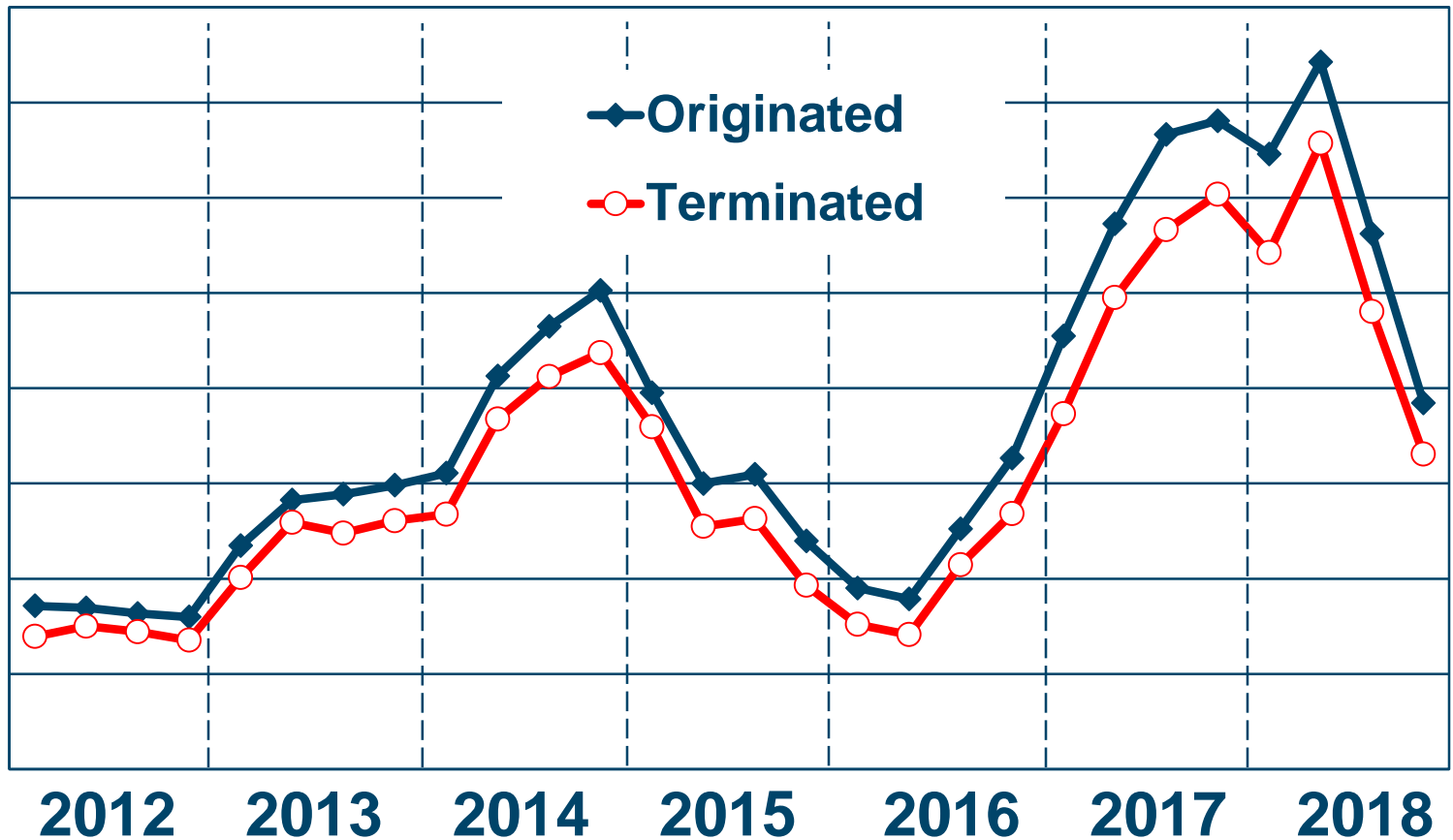


Quarterly figures may not add precisely to totals. Data are for Class I railroads only. Source: AAR *Freight Commodity Statistics*



U.S. Rail Carloads of Industrial Sand by Quarter

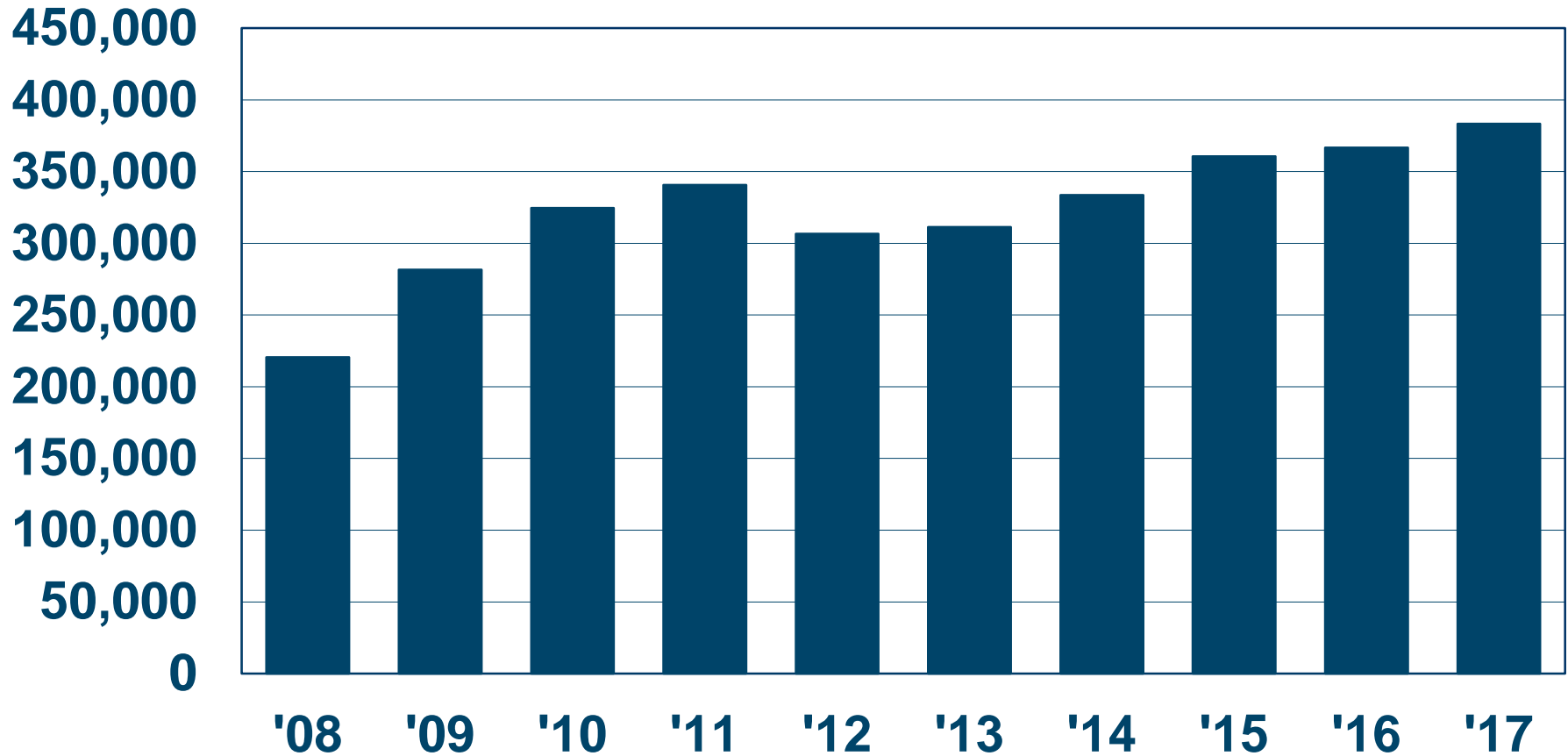
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000



Quarterly figures may not add precisely to totals. Data are for Class I railroads only. Source: AAR *Freight Commodity Statistics*



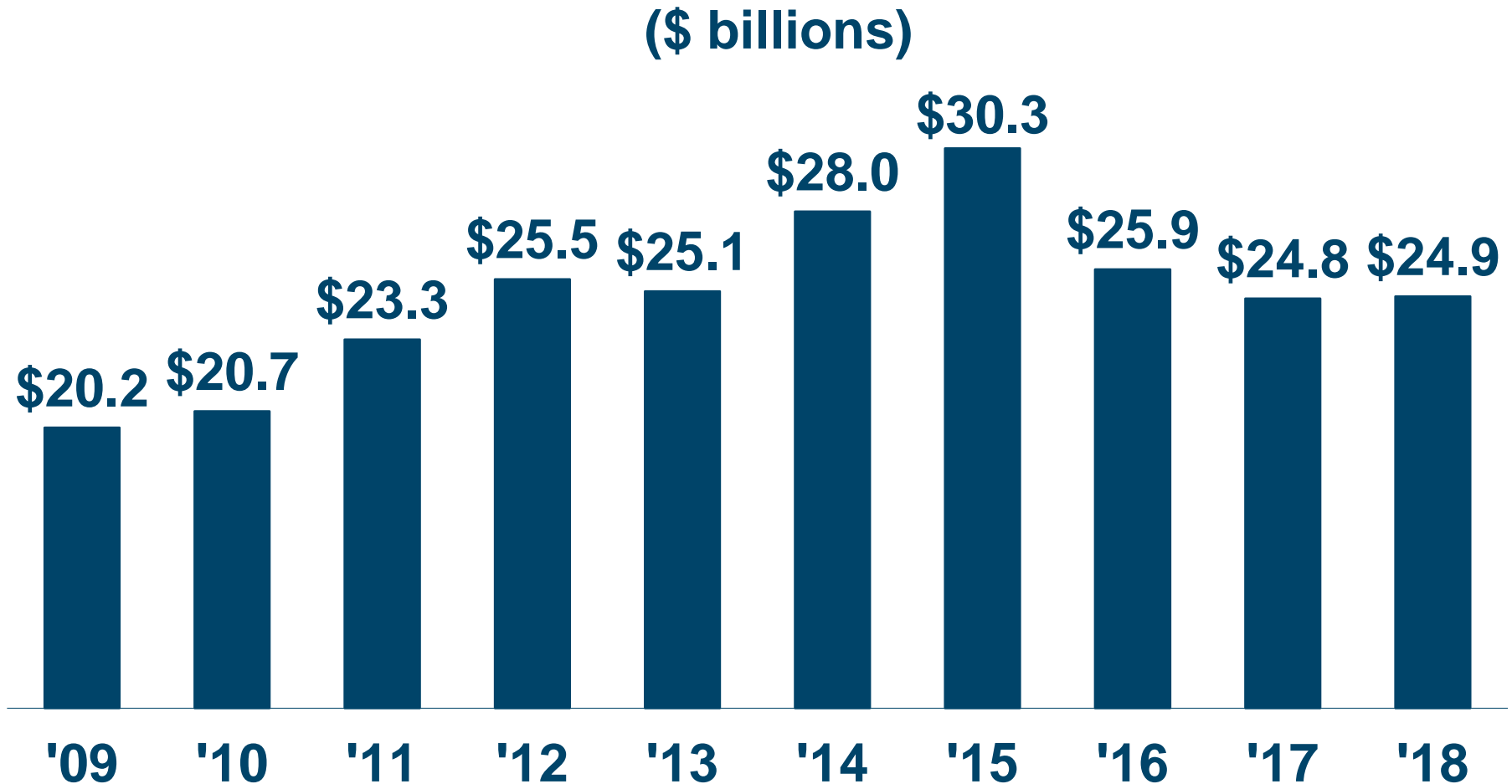
U.S. Carloads of Ethanol



Source: STB Waybill Sample



Record Spending on Infrastructure & Equipment*

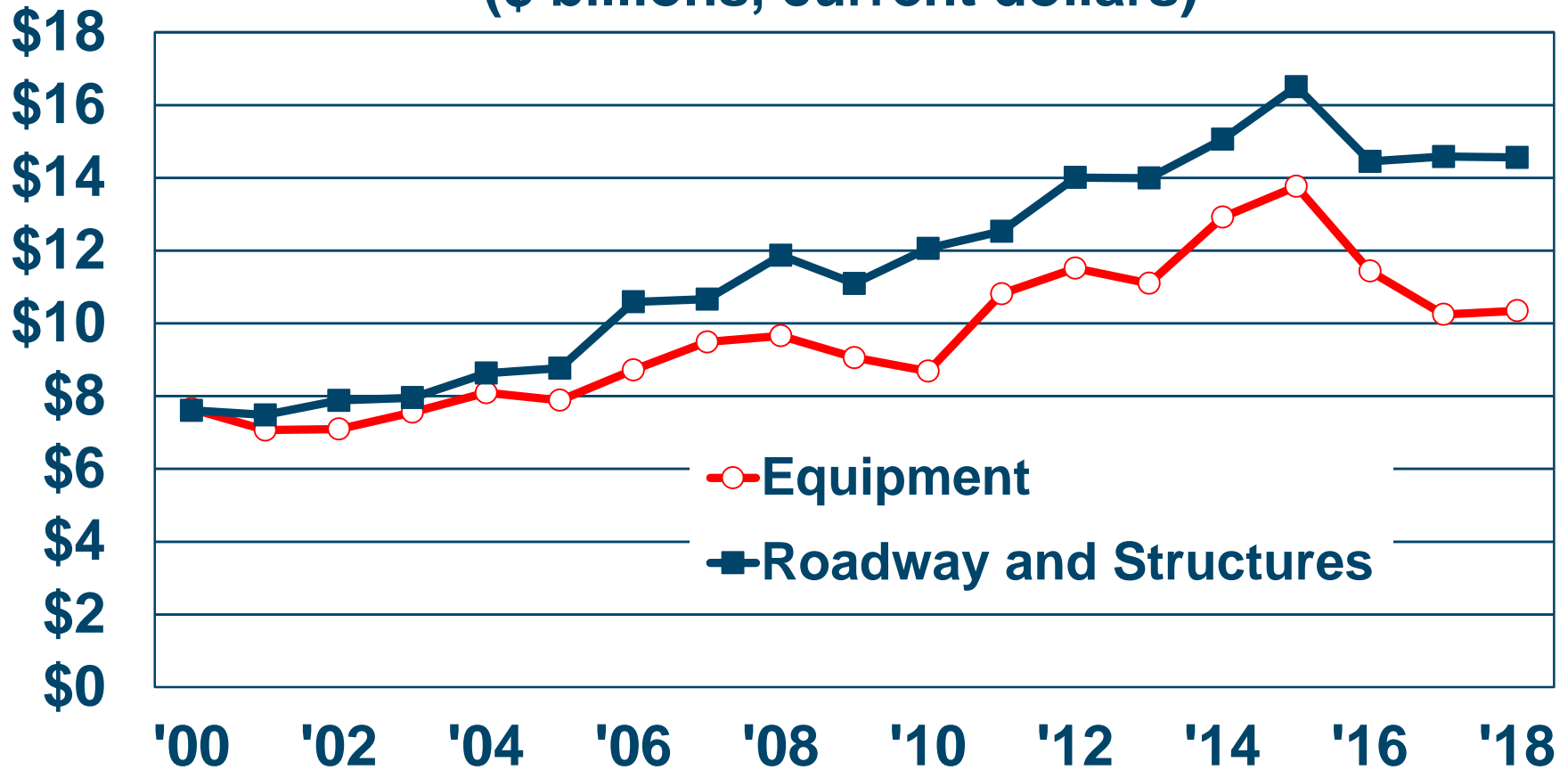


*Capital spending + maintenance expenses. Data are for Class I RRs. Source: AAR



Railroad Spending on Infrastructure and Equipment

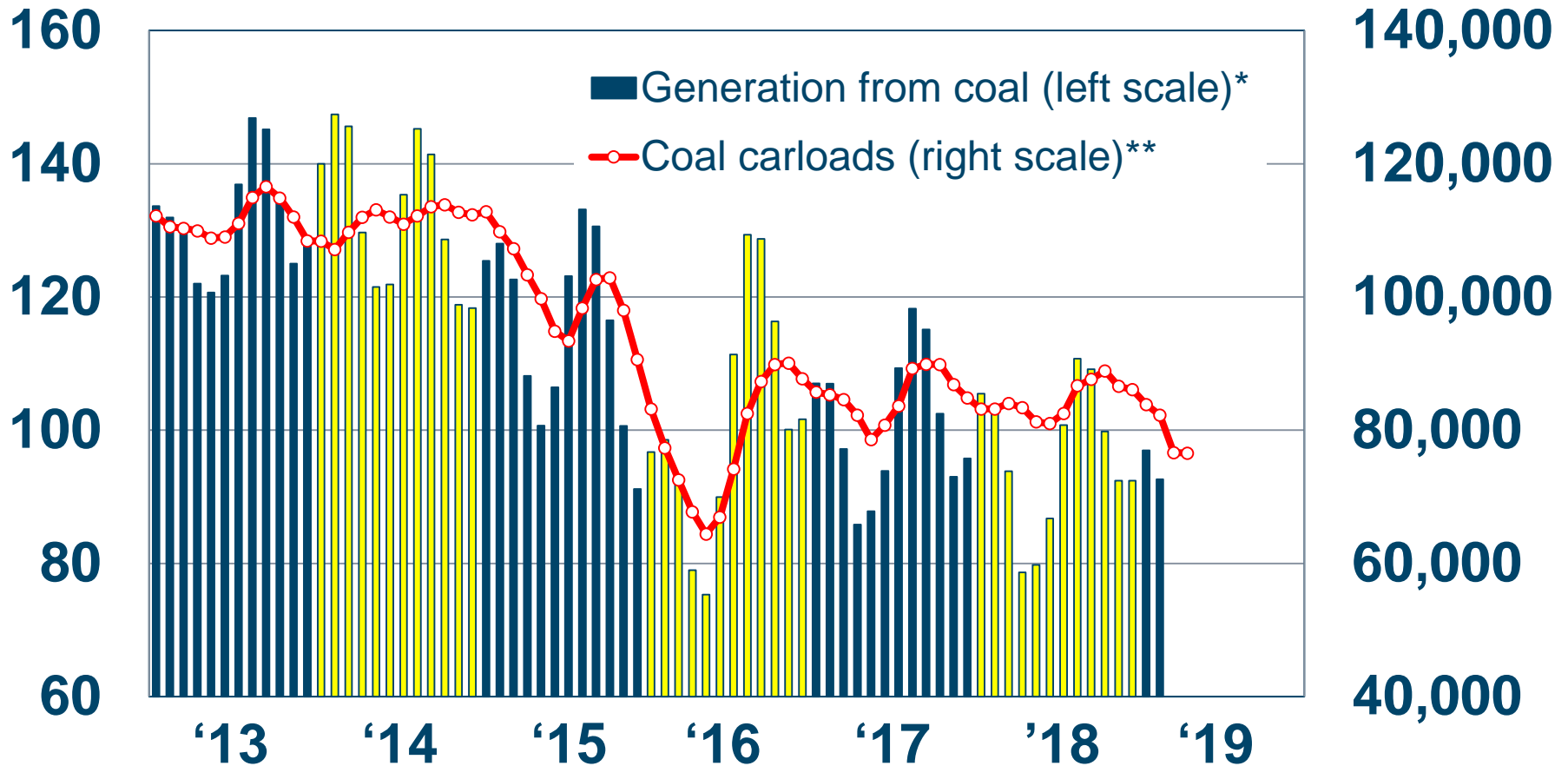
(\$ billions, current dollars)



Data are for Class I railroads. Source: AAR



U.S. Rail Carloads of Coal vs. Electricity From Coal



*3-month moving average, million megawatt-hours.

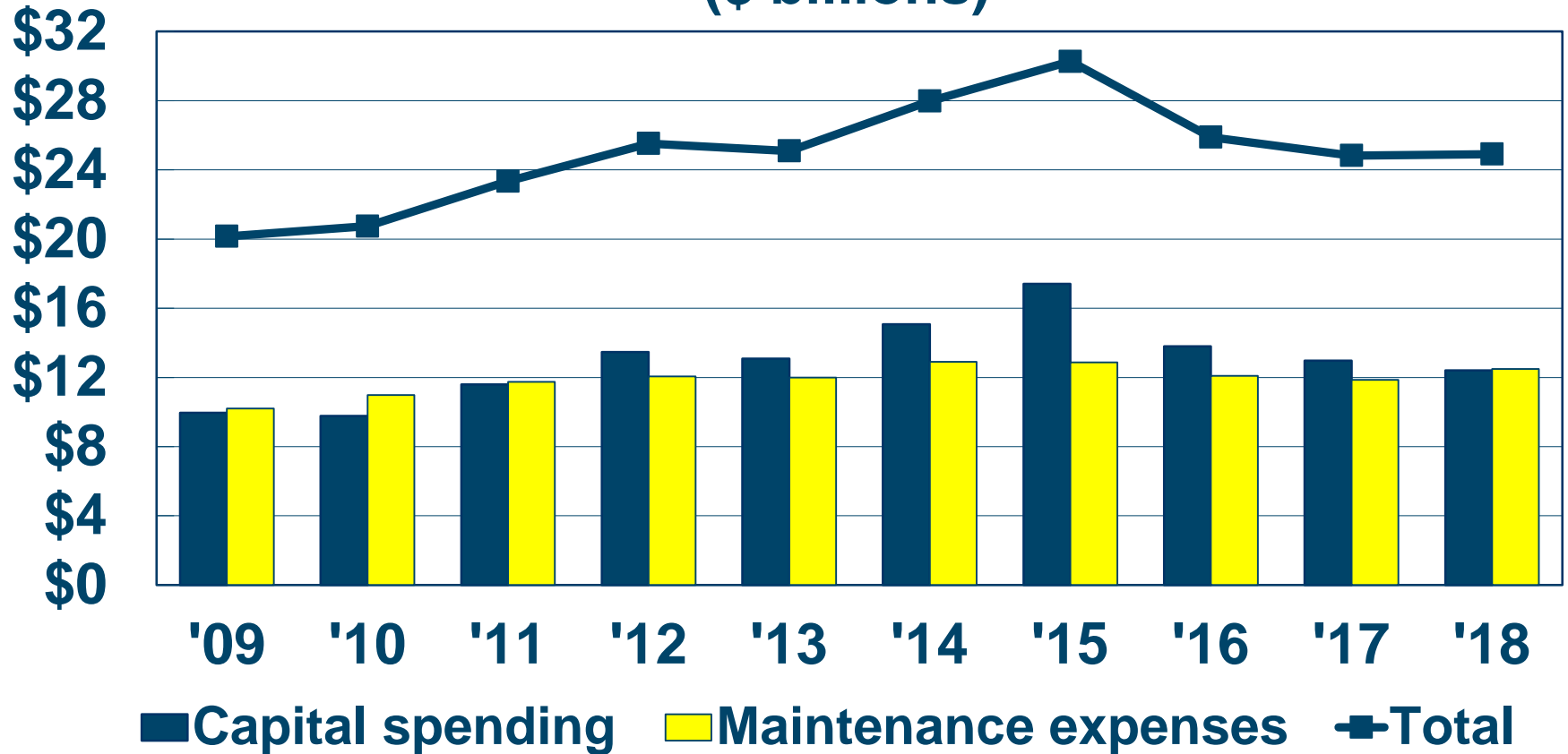
**3-month moving average based on weekly originations.

Source: EIA, AAR



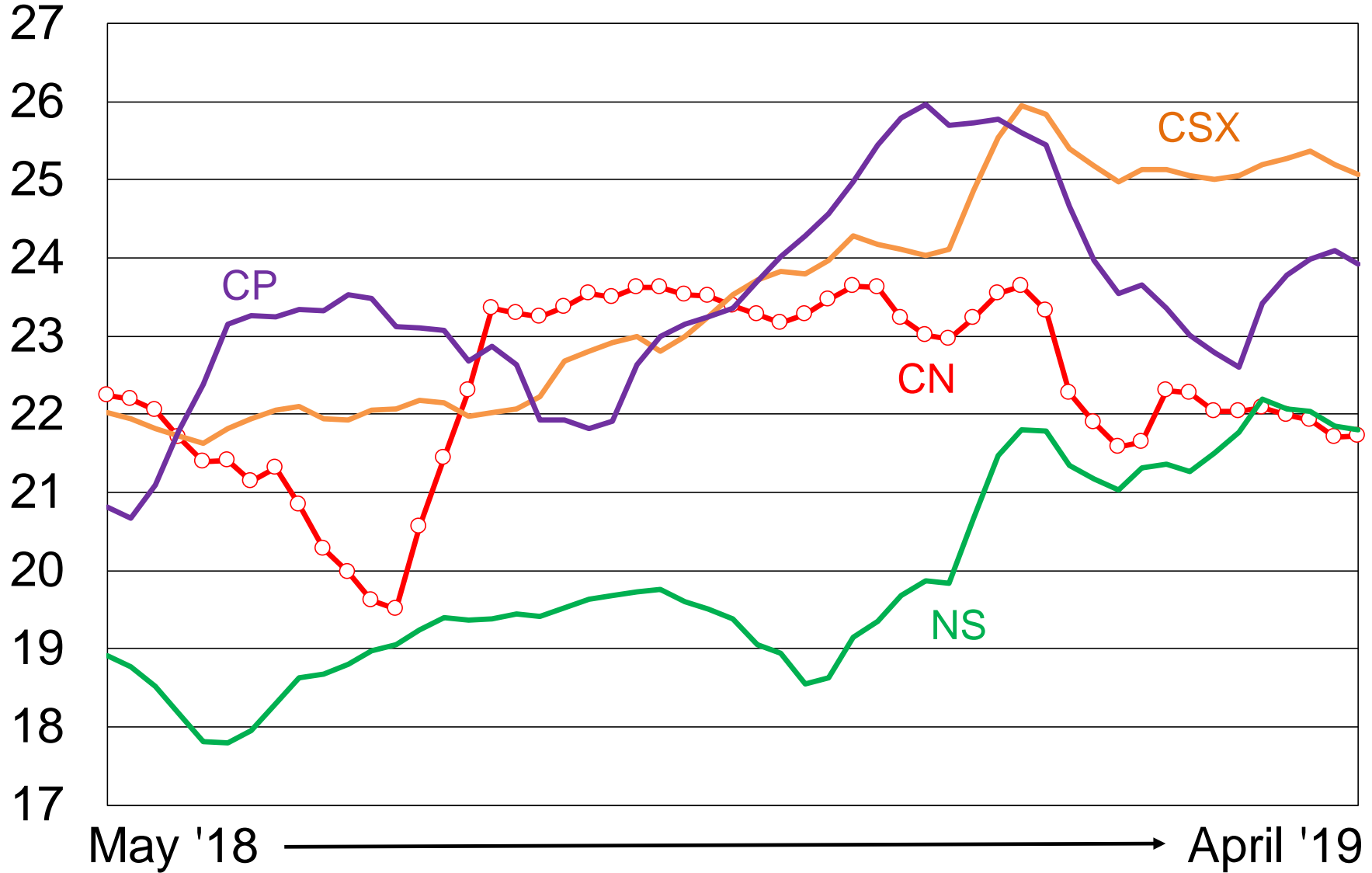
Record Recent Spending on Infrastructure & Equipment

(\$ billions)



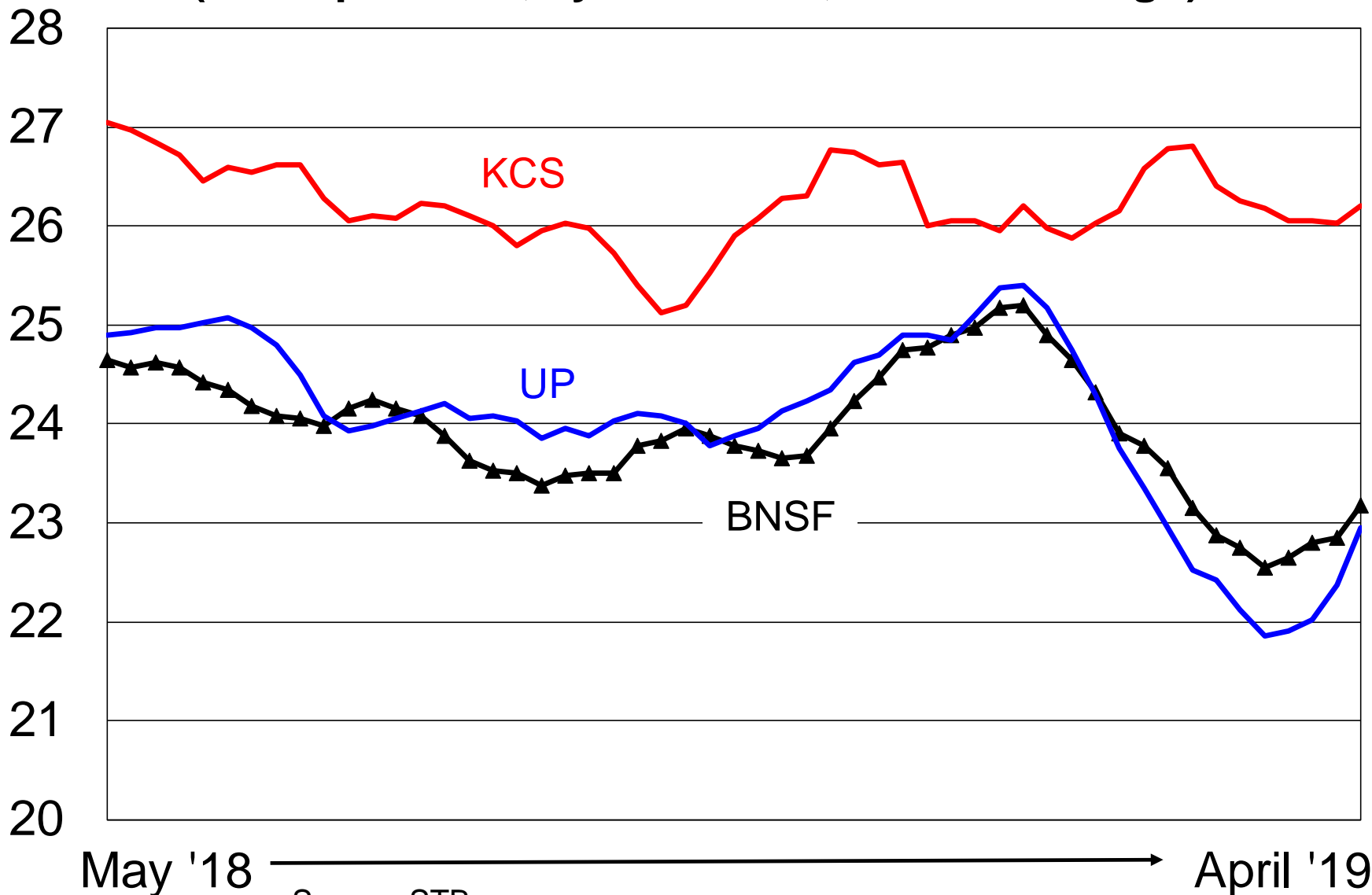
Data are for Class I railroads. Source: AAR

Average Train Speed: May 2018 - April 2019 (miles per hour, system-wide, 4-week average)



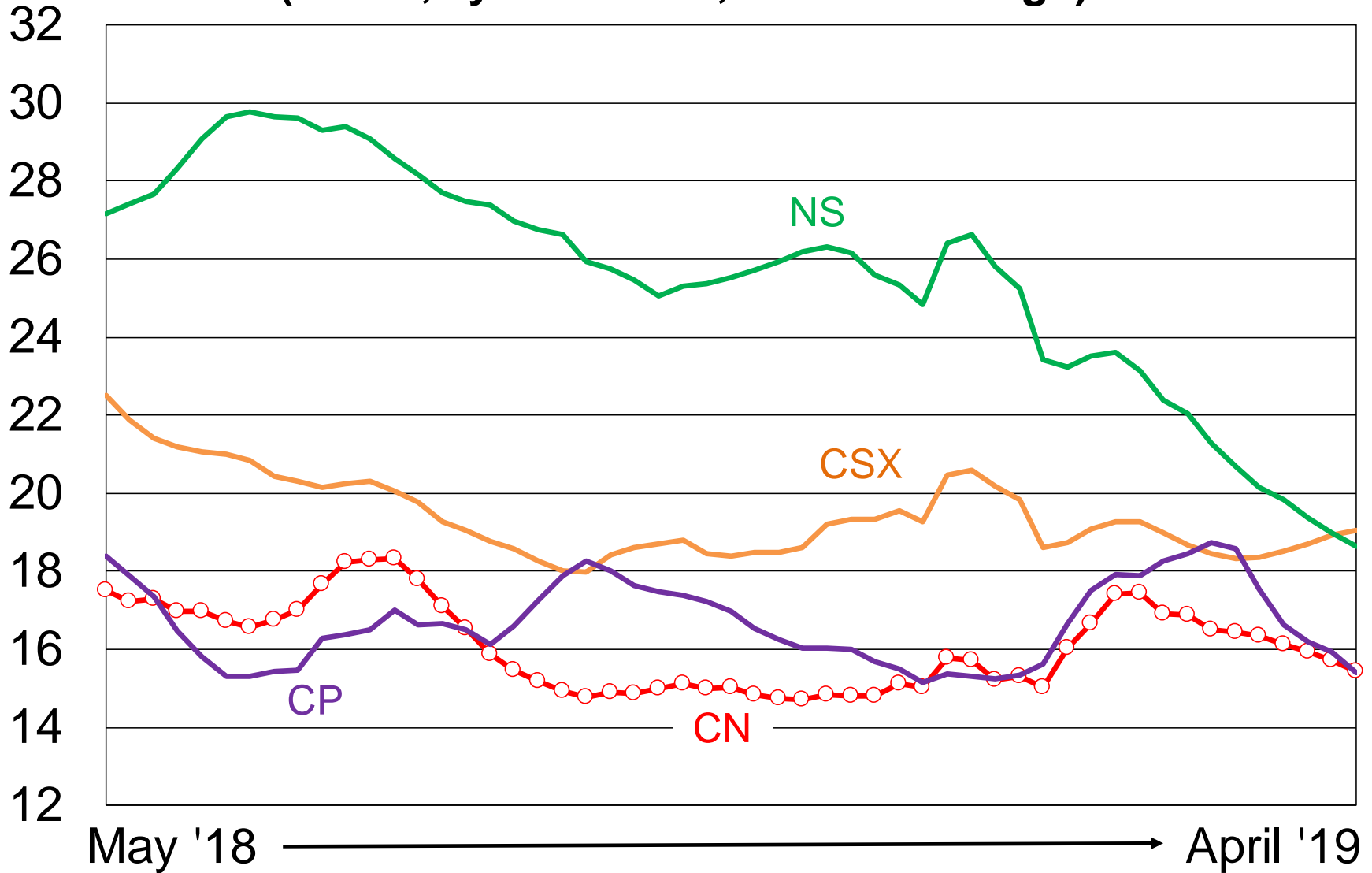
Source: STB

Average Train Speed: May 2018 - April 2019 (miles per hour, system-wide, 4-week average)



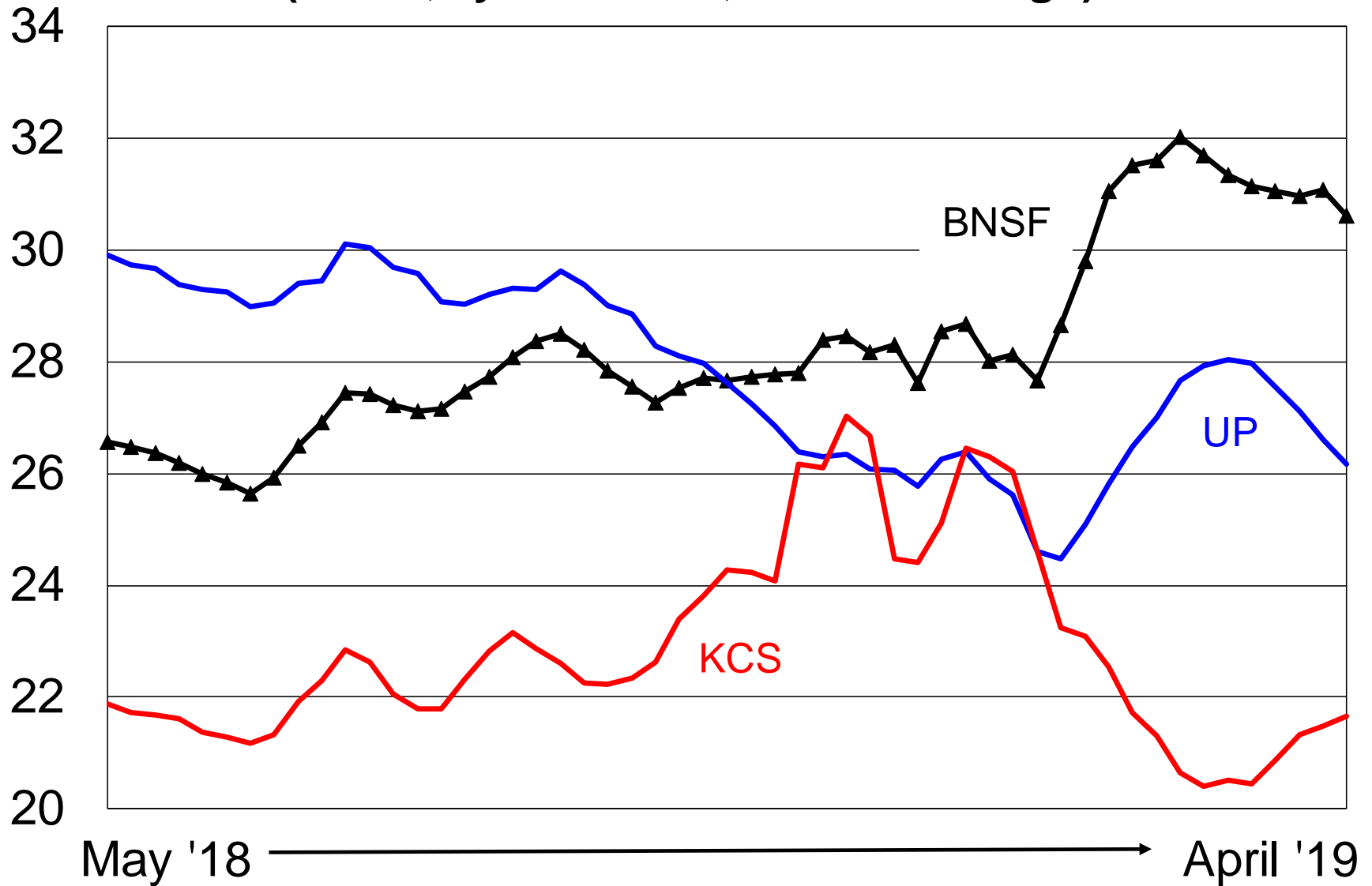
Source: STB

Terminal Dwell Time: May 2018 - April 2019 (hours, system-wide, 4-week average)



Source: STB

Terminal Dwell Time: May 2018 - April 2019 (hours, system-wide, 4-week average)



Source: STB