Date Week Began:

Date Week Ended:

Railroad: Union Pacific	Year: 2016		
System-Average Train Spe     Reporting We			
Intermodal	32.8		
Grain unit	24.8		
Coal unit	27.7		
Automotive unit	26.6		
Crude oil unit	26.5		
Ethanol unit	24.6		
Manifest	24.5		
All Other	21.2		

**Reporting Week:** 

Methodology: AAR train speed measure. Calculated by dividing train-miles by total hours from origin to destination, less intermediate terminal time. Excludes the following train categories: yard, local, passenger, foreign, and maintenance of way.

4/9/2016

4/15/2016

240531

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Weekly Average Terminal I     Hours Excluding Cars on	
System Average	26.7

26.7

2. Weekly Average Terminal Dwell Time Measured in **Hours for 10 Largest Terminals In Terms Of Railcar** Capacity

•	
1 Chicago (Proviso), IL	31.8
2 Fort Worth, TX	27.4
3 Houston (Englewood), TX	29.4
4 Livonia, LA	29.3
5 North Little Rock, AR	24.6
6 North Platte East, NE	26.3
7 North Platte West, NE	32.9
8 Pine Bluff, AR	26.8
9 Roseville, CA	26.5
10 West Colton, CA	30.5

Methodology: AAR terminal dwell measure. Average hours a car resides at the specified terminal location. Begins with train arrival, customer release, or interchange receipt. Ends with train departure, customer placement (actual or constructive), interchange offering or delivery. Excludes cars that move through a terminal on run-through trains. Also excludes stored cars, bad ordered cars, and maintenance of way cars.

Railroad: Union Pacific	Year: 2016
3. Total Cars On Line by Ca	
Box	23,195
Covered hopper	104,527
Gondola	11,152
Intermodal	14,199
Multilevel (automotive)	12,045
Open hopper	39,160
Tank	68,879
Other	13,809
Total	286,966

 Reporting Week:
 Date Week Began:
 4/9/2016

 Date Week Ended:
 4/15/2016

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Methodology: AAR cars on line measure. Calculated by AAR using Railinc data. Average daily inventory of all freight cars in revenue fleet regardless of location or status. Includes cars located on shortline railroads, cars delivered to customer facilities and stored

cars. Excludes maintenance of way cars. Articulated cars are counted as a single unit.

# 4. Weekly Average Dwell Time at Origin for Unit Train Shipments Measured in Hours Grain 13.3 Coal 3.6 Automotive 15.7 Crude Oil 7.0 Ethanol 7.5 All Other Unit Trains 10.8

Methodology: Measured at origin, from customer release to train departure. Release time is based on the last cut of five or more cars. Includes trains transporting both loaded and empty freight cars. Excludes trains received in interchange from another railroad and intermodal trains.

5. Weekly Total Number of Trains Held Short of Destination or Scheduled Interchange for Longer than 6 Hours by Train Type and Cause Cause Other Crew **Track maintenance Mechanical Issue** Locomotive power Total **Briefly Explain Cause** Number 0 0 0 2 0 7 0 0 0 7 0 0 0 18 19 0 0 12 14 Customer, Foreign Road, 0 0 0 0 0 0 Incidents/Weather, Other 0 0 0 0 0 0 4 1 0 0 7 12 4 4 0 2 11

Methodology:

All other trains

Intermodal

Grain unit

Coal unit

Automotive unit

Crude oil unit

Ethanol unit

Other unit

Total

Train Type

Cumulative weekly number, based on daily snapshots of active trains held for more than six consecutive hours. No train is counted more than once each week. Excludes yard and local trains.

0

6. Weekly	Total Number of Loaded and	Empty Cars in Revenue	Service That Have Not M	oved In:
	Greater Than	120 Hours	Greater Than 48 or Equal to	
	Loaded	Empty	Loaded	Empty
Intermodal	24	16	349	72
Grain	64	62	300	249
Coal	208	35	244	42
Crude Oil	1	3	1	26
Ethanol	6	7	99	134
Automotive	89	76	721	394
All Other	1,089	1,604	7,384	6,870

5

Methodology:

47

Cumulative weekly number, based on daily snapshots of freight cars in revenue service that have not moved for 48+hours. Begins with pull from customer facility or interchange receipt, and ends with car placement at customer facility or interchange delivery. Excludes cars in hold status (constructively placed, stored, bad order, offered in interchange, etc.). Excludes empty cars not billed to a specific consignee, non-revenue car movements, and cars billed to Union Pacific Railroad. Excludes cars with no events reported during the past 28 days. Articulated cars are counted as a single unit. No car is counted more than once each week per car cycle.

65

Railroad: Union Pacific	road: Union Pacific Year: 2016		Date Week Began:	4/9/2016
Railroad: Union Pacific	Teal. 2010	Reporting Week:	Date Week Ended:	4/15/2010

7. Weekly total grain cars loaded and billed, reported by State, aggregated for the following Standard Transportation Commodity Codes (STCCs): 01131 (barley), 01132 (corn), 01133 (oats), 01135 (rye), 01136 (sorghum grains), 01137 (wheat), 01139 (grain, not elsewhere classified), 01144 (soybeans), 01341 (beans, dry), 01342 (peas, dry), and 01343 (cowpeas, lentils, or lupines). "Total grain cars loaded and billed" includes cars in shuttle service; dedicated train service; reservation, lottery, open and other ordering systems; and, private cars. Additionally, please separately report the total cars loaded and billed in shuttle service (or dedicated train service) versus total cars loaded and billed in all other ordering systems, including private cars.

Instruction: Please enter "0" if no data is being reported for a field.

State	Total Grain Cars Loaded and Billed For All Ordering Systems	Total Grain Cars Loaded and Billed For Shuttle / Dedicated Train Service Ordering Systems	Total Grain Cars Loaded and Billed For Ordering Systems Other Than Shuttle / Dedicated Train Service
AZ	22	0	22
AR	2	0	2
CA	24	0	24
СО	321	111	210
ID	900	527	373
IL	291	153	138
IA	1,011	985	26
KS	1,639	1,211	428
LA	0	0	0
MN	423	297	126
MO	155	112	43
MT	6	0	6
NE	1,564	1,301	263
NV	0	0	0
NM	0	0	0
ОК	131	0	131
OR	9	0	9
TN	0	0	0
TX	107	105	2
UT	2	0	2
WA	11	0	11
WI	26	0	26
WY	10	0	10
Total	6,654	4,802	1,852

Methodology:

Number of grain cars loaded and billed each week by state and type of train service. A carload is counted when the loaded car is released by UP's customer or received in interchange from another railroad. State is based on UP origin. Shuttle / dedicated train service includes cars moving on grain shuttle trains. Other than shuttle / dedicated train service includes all other cars moving on unit grain trains or manifest service.

Railroad: Union Pacific	Year: 2016	Reporting Week:	Date Week Began:	4/9/2016
Kalifoad. Offion Facilic	Year: 2016	Reporting Week.	Date Week Ended:	4/15/2016

8. For the aggregated STCCs in item 7, report by State the following: a. running total number of outstanding car orders (a car order equals one car); b. average number of days late for all outstanding car orders; c. total number of new car orders received during the past week; d. total number of car orders filled during the past week.

State	a. Running Total Number of Outstanding Car Orders	b. Average Number of Days Late For All Outstanding Grain Car Orders	c. Number of New Car Orders	d. Number of Car Orders Filled	e.1. Number of Orders Canceled By Shipper	e.2. Number of Orders Canceled By Railroad
AZ	73	0	1	59	0	0
AR	6	0	0	5	0	0
CA	16	0	14	21	0	0
CO	122	0	110	40	0	0
ID	85	0	25	32	0	0
IL	25	0	20	8	0	0
IA	0	0	0	1	0	0
KS	359	0	132	327	0	0
LA	0	0	0	0	0	0
MN	66	1	27	30	0	0
MO	0	0	0	15	0	0
MT	18	0	0	2	0	0
NE	359	0	9	91	0	0
NV	11	0	11	1	0	0
NM	0	0	0	0	0	0
OK	126	0	0	36	0	0
OR	9	0	0	3	0	0
TN	0	0	0	0	0	0
TX	33	0	0	0	0	0
UT	2	0	0	0	0	0
WA	0	0	0	4	0	0
WI	377	0	0	25	0	0
WY	20	0	10	20	0	0
TOTAL	1,707	0	359	720	0	0

Methodology:

Per the tariff, Union Pacific accepts grain orders for half-month periods. <u>Outstanding orders</u> include unfilled guaranteed orders from prior half-month periods plus all unfilled guaranteed orders for the current half. <u>Average number of days late for outstanding orders</u>: For any outstanding orders from prior half-month periods, we calculate the number of days past the end of the half that the cars were ordered for. <u>New car orders</u> are requests received during the reporting period for the next half-month period and beyond. <u>Car orders filled</u> are the number of empty cars delivered to customers for loading during the reporting period. For offline customers, orders are filled when cars are delivered or offered in interchange to the connecting carrier. The data in columns a and b is calculated from a snapshot of outstanding car orders taken every Monday. The data in columns c, d, and e is based on a reporting period that spans Sunday through Saturday. This metric excludes cars in UP's shuttle train program because those cars are controlled by the shuttle operator.

Railroad: Union Pacific	ilroad: Union Pacific Year: 2016 Reporting Week	Departing Week	Date Week Began:	4/9/2016
Railroad: Union Pacific	Year: 2016	Reporting Week:	Date Week Ended:	4/15/2016

9. Plan vs. Performance For Grain Shuttle (Or Dedicated Grain Train) Round Trips, By Region, Updated To Reflect The Previous Four Weeks		
Region (Please Specify Destination Region)	Trip Performance Previous Four Weeks	
AR/TX	4.1	
CA/AZ	2.9	
Gulf	3.0	
Mexico	2.3	
PNW	7.9	
Other Domestic	4.5	

Methodology:

Average trips per shuttle set per month = 720 hours per month / (Average loaded cycle hours + Average empty cycle hours).

A loaded cycle is measured from loaded release to empty release. An empty cycle is measured from empty release to loaded release. The average cycle times are calculated for all cycles that closed during the 4-week reporting period.

Measure includes routine inspection and preventative maintenance.

10. Average Daily Coal Unit Train Loadings vs. Plan for the Reporting Week By Coal Production Region	
Region Loadings Average Current Week	
Powder River Basin	12.1
Illinois Basin 0.1	
Uinta Basin	2.9

Methodology: Average daily count of loaded coal trains released by the mines