Railroad: Union Pacific	Year: 2016	Reporting Week:	Date Week Began: Date Week Ended:	11/19/2016 11/25/2016
1. System-Average Train Spee Reporting Wee			Date week Ended.	11/23/2010
Intermodal	32.4	Methodology:	AAR train speed measu	re. Calculated by dividing train-miles by total
Grain unit	23.8		hours from origin to dea	stination, less intermediate terminal time.
Coal unit	27.4		•	train categories: yard, local, passenger,
Automotive unit	26.8		foreign, and maintenand	
Crude oil unit	25.5		•	
Ethanol unit	22.7			
Manifest	23.9			242159
All Other	21.1			
2. Weekly Average Terminal E Hours Excluding Cars on I			Office	ENTERED e of Proceedings vember 30, 2016
			Office No	e of Proceedings
Hours Excluding Cars on I System Average 2. Weekly Average Terminal E Hours for 10 Largest Termina Capacit	Run Through Trains 27.4 Dwell Time Measured in als In Terms Of Railcar		Office No	e of Proceedings vember 30, 2016 Part of
Hours Excluding Cars on I System Average 2. Weekly Average Terminal E Hours for 10 Largest Termina Capacit 1 Chicago (Proviso), IL	Run Through Trains 27.4 Dwell Time Measured in als In Terms Of Railcar Sy 30.0	Methodology:	Office Nov Pul	e of Proceedings vember 30, 2016 Part of blic Record
Hours Excluding Cars on I System Average 2. Weekly Average Terminal D Hours for 10 Largest Termina Capacit 1 Chicago (Proviso), IL 2 Fort Worth, TX	Run Through Trains 27.4 Dwell Time Measured in als In Terms Of Railcar Sy 30.0 30.4	Methodology:	Office Nov Pul AAR terminal dwell mea specified terminal locat	e of Proceedings vember 30, 2016 Part of blic Record asure. Average hours a car resides at the ion. Begins with train arrival, customer
Hours Excluding Cars on I System Average 2. Weekly Average Terminal D Hours for 10 Largest Termina Capacit 1 Chicago (Proviso), IL 2 Fort Worth, TX 3 Houston (Englewood), TX	Run Through Trains 27.4 Dwell Time Measured in als In Terms Of Railcar Sy 30.0 30.4 32.7	Methodology:	Office Nov Pul AAR terminal dwell mea specified terminal locat release, or interchange	e of Proceedings vember 30, 2016 Part of blic Record asure. Average hours a car resides at the ion. Begins with train arrival, customer receipt. Ends with train departure, customer
Hours Excluding Cars on I System Average 2. Weekly Average Terminal E Hours for 10 Largest Termina Capacit 1 Chicago (Proviso), IL 2 Fort Worth, TX 3 Houston (Englewood), TX 4 Livonia, LA	Run Through Trains 27.4 Dwell Time Measured in als In Terms Of Railcar y 30.0 30.4 32.7 35.5	Methodology:	Office Nov Pul AAR terminal dwell mea specified terminal locat release, or interchange placement (actual or co	e of Proceedings vember 30, 2016 Part of blic Record asure. Average hours a car resides at the ion. Begins with train arrival, customer receipt. Ends with train departure, customer nstructive), interchange offering or delivery.
Hours Excluding Cars on I System Average 2. Weekly Average Terminal E Hours for 10 Largest Termina Capacit 1 Chicago (Proviso), IL 2 Fort Worth, TX 3 Houston (Englewood), TX 4 Livonia, LA 5 North Little Rock, AR	Run Through Trains 27.4 Dwell Time Measured in als In Terms Of Railcar y 30.0 30.4 32.7 35.5 27.0	Methodology:	Office Nov Pul AAR terminal dwell mea specified terminal locat release, or interchange placement (actual or co Excludes cars that mov	e of Proceedings vember 30, 2016 Part of blic Record asure. Average hours a car resides at the ion. Begins with train arrival, customer receipt. Ends with train departure, customer nstructive), interchange offering or delivery. e through a terminal on run-through trains.
Hours Excluding Cars on E System Average 2. Weekly Average Terminal E Hours for 10 Largest Termina Capacit 1 Chicago (Proviso), IL 2 Fort Worth, TX 3 Houston (Englewood), TX 4 Livonia, LA 5 North Little Rock, AR 6 North Platte East, NE	Run Through Trains 27.4 Dwell Time Measured in als In Terms Of Railcar y 30.0 30.4 32.7 35.5 27.0 30.0	Methodology:	Office Nov Pul AAR terminal dwell mea specified terminal locat release, or interchange placement (actual or co Excludes cars that mov	e of Proceedings vember 30, 2016 Part of blic Record asure. Average hours a car resides at the ion. Begins with train arrival, customer receipt. Ends with train departure, customer nstructive), interchange offering or delivery. e through a terminal on run-through trains.
Hours Excluding Cars on E System Average 2. Weekly Average Terminal E Hours for 10 Largest Termina Capacit 1 Chicago (Proviso), IL 2 Fort Worth, TX 3 Houston (Englewood), TX 4 Livonia, LA 5 North Little Rock, AR 6 North Platte East, NE 7 North Platte West, NE	Run Through Trains 27.4 Dwell Time Measured in als In Terms Of Railcar 30.0 30.4 32.7 35.5 27.0 30.0 27.7	Methodology:	Office Nov Pul AAR terminal dwell mea specified terminal locat release, or interchange placement (actual or co Excludes cars that mov	e of Proceedings vember 30, 2016 Part of blic Record asure. Average hours a car resides at the ion. Begins with train arrival, customer receipt. Ends with train departure, customer nstructive), interchange offering or delivery. e through a terminal on run-through trains.
Hours Excluding Cars on E System Average 2. Weekly Average Terminal E Hours for 10 Largest Termina Capacit 1 Chicago (Proviso), IL 2 Fort Worth, TX 3 Houston (Englewood), TX 4 Livonia, LA 5 North Little Rock, AR 6 North Platte East, NE 7 North Platte West, NE 8 Pine Bluff, AR	Run Through Trains 27.4 Dwell Time Measured in als In Terms Of Railcar 30.0 30.4 32.7 35.5 27.0 30.0 27.7 31.2	Methodology:	AAR terminal dwell mea specified terminal locat release, or interchange placement (actual or co Excludes cars that mov Also excludes stored ca	e of Proceedings vember 30, 2016 Part of blic Record asure. Average hours a car resides at the ion. Begins with train arrival, customer receipt. Ends with train departure, customer nstructive), interchange offering or delivery.
Hours Excluding Cars on I System Average 2. Weekly Average Terminal E Hours for 10 Largest Termina Capacit 1 Chicago (Proviso), IL 2 Fort Worth, TX 3 Houston (Englewood), TX 4 Livonia, LA 5 North Little Rock, AR	Run Through Trains 27.4 Dwell Time Measured in als In Terms Of Railcar 30.0 30.4 32.7 35.5 27.0 30.0 27.7	Methodology:	AAR terminal dwell mea specified terminal locat release, or interchange placement (actual or co Excludes cars that mov Also excludes stored ca	e of Proceedings vember 30, 2016 Part of blic Record asure. Average hours a car resides at the ion. Begins with train arrival, customer receipt. Ends with train departure, customer nstructive), interchange offering or delivery. e through a terminal on run-through trains.

	X 0040	5 <i>//</i> 14	Date Week Began:	11/19/2016
Railroad: Union Pacific	Year: 2016	Reporting Week:	Date Week Ended:	11/25/2016
3. Total Cars On Line by Car	r Type for the Reporting			
Weel	k			
Box	23,047	Methodology:	AAR cars on line meas	ure. Calculated by AAR using Railinc data. Average daily inventory of all freight cars in revenue fleet
Covered hopper	109,468		regardless of location	or status. Includes cars located on shortline railroads, cars delivered to customer facilities and stored
Gondola	10,644		cars. Excludes mainte	nance of way cars. Articulated cars are counted as a single unit.
Intermodal	14,284			
Multilevel (automotive)	11,750			
Open hopper	40,822			
Tank	68,578			
Other	13,479			
Total	292,072			
4. Weekly Average Dwell	Time at Origin for Unit			
Train Shipments Me	asured in Hours			
Grain	17.9	Methodology:	Measured at origin, fro	m customer release to train departure. Release time is based on the last cut of five or more cars.
Coal	5.8		Includes trains transpo	prting both loaded and empty freight cars. Excludes trains received in interchange from another
Automotive	20.5		railroad and intermoda	I trains.
Crude Oil	8.8			
Ethanol	24.0			

	5. Weekly Total Number of Trains Held Short of Destination or Scheduled Interchange for Longer than 6 Hours by Train Type and Cause							
		Cause						
Train Type	Crow	Locomotive power	Track maintenance	Mechanical Issue		Other	Total	
Crew	Crew	Locomotive power	Track maintenance	Mechanical Issue	Number	Briefly Explain Cause	Total	
Intermodal	1	0	1	0	8		10	
Grain unit	4	0	1	1	7	Customer, Foreign Road, Incidents/Weather, Other	13	
Coal unit	5	0	0	1	22		28	
Automotive unit	0	1	0	0	7		8	
Crude oil unit	0	0	0	0	0		0	
Ethanol unit	1	0	0	0	1	Incidents/weather, Other	2	
Other unit	1	0	2	0	13		16	
All other trains	3	3	2	0	35		43	
Total	15	4	6	2	93		120	

Methodology:

All Other Unit Trains

14.2

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.

	Greater Thar	n 120 Hours	Greater Than 48 but Less than or Equal to 120 Hours		
	Loaded	Empty	Loaded	Empty	
Intermodal	30	11	422	32	
Grain	67	137	674	298	
Coal	243	50	322	666	
Crude Oil	6	16	14	45	
Ethanol	4	11	108	214	
Automotive	11	24	686	605	
All Other	924	1,530	10,005	9,209	

Methodology: 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.

Railroad: Union Pacific	Year: 2016	Reporting Week:	Date Week Began:	
Kali bad. Onion i acine	Year: 2016 Reporting Week:		Date Week Ended:	11/25/2016

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	41	0	41
AR	0	0	0
CA	65	0	65
СО	202	107	95
ID	1,563	604	959
IL	412	185	227
IA	1,216	972	244
KS	1,528	1,398	130
LA	5	0	5
MN	705	329	376
MO	144	110	34
MT	15	0	15
NE	1,810	1,619	191
NV	3	0	3
NM	0	0	0
OK	322	212	110
OR	6	0	6
TN	0	0	0
ТХ	203	108	95
UT	5	0	5
WA	22	0	22
WI	231	180	51
WY	0	0	0
Total	8,498	5,824	2,674

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:	11/19/2016
Rainbad. Onion Pacific	Teal: 2010	Reporting week.	Date Week Ended:	11/25/2016

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; and e. number of orders cancelled, respectively, by shipper and railroad 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	50	0	25	41	0	0
AR	0	0	0	0	0	0
CA	1	0	100	8	0	0
CO	116	0	82	35	0	0
ID	42	0	159	27	0	0
IL	0	0	0	0	0	0
IA	0	0	0	10	0	0
KS	306	5	513	25	0	0
LA	0	0	0	0	0	0
MN	17	0	78	19	0	0
MO	6	0	21	14	0	0
MT	10	0	31	15	0	0
NE	167	0	713	38	0	0
NV	1	0	0	4	0	0
NM	0	0	0	0	0	0
OK	234	0	98	0	0	0
OR	0	0	25	6	0	0
TN	0	0	0	0	0	0
ТХ	0	0	0	74	0	0
UT	8	0	15	5	0	0
WA	0	0	7	0	0	0
WI	47	0	252	0	0	0
WY	0	0	0	0	0	0
TOTAL	1,005	4	2,119	321	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 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	Year: 2016	Reporting Week:	Date Week Began:	11/19/2016	
	10411 2010		Date Week Ended:	11/25/2016	
	For Grain Shuttle (Or Dedicated odated To Reflect The Previous		, Ву		
Region (Please Specify Destination Region)	Trip Perfe Previous Fe				
AR/TX		3.7			
CA/AZ		2.8			
Gulf		3.0			
Mexico	1.9				
PNW		6.7			
Other Domestic		4.1			

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	18.6			
Illinois Basin 0.3				
Uinta Basin	4.3			

Methodology:

Average daily count of loaded coal trains released by the mines.