	Year: 2016	Reporting Week:	Date Week Began: Date Week Ended:	10/22/2016 10/28/2016
1. System-Average Train Speed Reporting Week		•	Date week Endeu.	10/20/2010
Intermodal	31.9	Methodology: AAR train speed measure. Calculated by c		re. Calculated by dividing train-miles by tot
Grain unit	23.0	-		stination, less intermediate terminal time.
Coal unit	27.4		•	rain categories: yard, local, passenger,
Automotive unit	26.1		foreign, and maintenand	
Crude oil unit	25.0		3 , 1	
Ethanol unit	22.1	1		
Manifest	23.5			241942
All Other	20.0			
Hours Excluding Cars on Ru	In Through Trains			November 2, 2016 Part of Public Record
Hours Excluding Cars on Ru System Average	In Through Trains 26.5			Part of
System Average	26.5 vell Time Measured in] -		Part of
System Average 2. Weekly Average Terminal Dw Hours for 10 Largest Terminals Capacity 1 Chicago (Proviso), IL	26.5 vell Time Measured in s In Terms Of Railcar 28.4]		Part of Public Record sure. Average hours a car resides at the
System Average 2. Weekly Average Terminal Dw Hours for 10 Largest Terminals Capacity 1 Chicago (Proviso), IL 2 Fort Worth, TX	26.5 vell Time Measured in s In Terms Of Railcar 28.4 29.3]	specified terminal location	Part of Public Record sure. Average hours a car resides at the on. Begins with train arrival, customer
System Average 2. Weekly Average Terminal Dw Hours for 10 Largest Terminals Capacity 1 Chicago (Proviso), IL 2 Fort Worth, TX 3 Houston (Englewood), TX	26.5 vell Time Measured in s In Terms Of Railcar 28.4 29.3 27.1]	specified terminal locati release, or interchange	Part of Public Record sure. Average hours a car resides at the on. Begins with train arrival, customer receipt. Ends with train departure, custome
2. Weekly Average Terminal Dw Hours for 10 Largest Terminals Capacity 1 Chicago (Proviso), IL 2 Fort Worth, TX 3 Houston (Englewood), TX 4 Livonia, LA	26.5 vell Time Measured in s In Terms Of Railcar 28.4 29.3 27.1 33.8]	specified terminal locati release, or interchange placement (actual or co	Part of Public Record sure. Average hours a car resides at the on. Begins with train arrival, customer receipt. Ends with train departure, custome nstructive), interchange offering or delivery
System Average 2. Weekly Average Terminal Dw Hours for 10 Largest Terminals Capacity 1 Chicago (Proviso), IL 2 Fort Worth, TX 3 Houston (Englewood), TX 4 Livonia, LA 5 North Little Rock, AR	26.5 vell Time Measured in s In Terms Of Railcar 28.4 29.3 27.1 33.8 26.0]	specified terminal locati release, or interchange placement (actual or co Excludes cars that move	Part of Public Record sure. Average hours a car resides at the on. Begins with train arrival, customer receipt. Ends with train departure, customer nstructive), interchange offering or delivery e through a terminal on run-through trains.
System Average 2. Weekly Average Terminal Dw Hours for 10 Largest Terminals Capacity 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	26.5 vell Time Measured in s In Terms Of Railcar 28.4 29.3 27.1 33.8 26.0 28.5]	specified terminal locati release, or interchange placement (actual or co Excludes cars that move	Part of Public Record sure. Average hours a car resides at the on. Begins with train arrival, customer receipt. Ends with train departure, custome nstructive), interchange offering or delivery
System Average 2. Weekly Average Terminal Dw Hours for 10 Largest Terminals Capacity 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	26.5 vell Time Measured in s In Terms Of Railcar 28.4 29.3 27.1 33.8 26.0 28.5 27.9]	specified terminal locati release, or interchange placement (actual or co Excludes cars that move	Part of Public Record sure. Average hours a car resides at the on. Begins with train arrival, customer receipt. Ends with train departure, customer nstructive), interchange offering or delivery e through a terminal on run-through trains.
System Average 2. Weekly Average Terminal Dw Hours for 10 Largest Terminals Capacity	26.5 vell Time Measured in s In Terms Of Railcar 28.4 29.3 27.1 33.8 26.0 28.5]	specified terminal locati release, or interchange placement (actual or co Excludes cars that move Also excludes stored ca	Part of Public Record sure. Average hours a car resides at the on. Begins with train arrival, customer receipt. Ends with train departure, customer nstructive), interchange offering or delivery e through a terminal on run-through trains.

		5 (;) 4 (Date Week Began:	10/22/2016			
Railroad: Union Pacific	Year: 2016	Reporting Week:	Date Week Ended:	10/28/2016			
3. Total Cars On Line by Car	Type for the Reporting						
Week							
Box	22,590	Methodology:	AAR cars on line measured	ure. Calculated by AAR using Railinc data. Average daily inventory of all freight cars in revenue flee			
Covered hopper	107,730		regardless of location or status. Includes cars located on shortline railroads, cars delivered to customer facilities				
Gondola	10,453		cars. Excludes mainter	nance of way cars. Articulated cars are counted as a single unit.			
ntermodal	14,092						
Multilevel (automotive)	12,245						
Open hopper	40,913						
Tank	66,554						
Other	13,954						
Total	288,531						
4. Weekly Average Dwell	Time at Origin for Unit						
Train Shipments Mea	sured in Hours						
Grain	21.9	Methodology:	Measured at origin, from	m customer release to train departure. Release time is based on the last cut of five or more cars.			
Coal	6.5		Includes trains transpo	orting both loaded and empty freight cars. Excludes trains received in interchange from another			
Automotive	16.2		railroad and intermoda	I trains.			
Crude Oil	16.8						
Ethanol	25.6						

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	Crew	Locomotive power	Track maintenance	Mechanical Issue		Other	Total	
	Clew	Locomotive power	Track maintenance		Number	Briefly Explain Cause	Total	
Intermodal	0	3	0	0	5		8	
Grain unit	2	1	0	0	22	Customer, Foreign Road, Incidents/Weather, Other	25	
Coal unit	1	1	0	1	12		15	
Automotive unit	1	1	1	0	0		3	
Crude oil unit	0	0	0	0	0		0	
Ethanol unit	0	0	0	0	0		0	
Other unit	1	0	0	0	7		8	
All other trains	7	5	7	0	7		26	
Total	12	11	8	1	53		85	

Methodology:

All Other Unit Trains

13.8

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	41	25	403	55	
Grain	132	52	841	352	
Coal	279	182	431	575	
Crude Oil	0	37	6	51	
Ethanol	7	44	113	162	
Automotive	31	37	495	553	
All Other	2,016	2,185	7,833	7,527	

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:	10/22/2016
		Reporting week.	Date Week Ended:	10/28/2016

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	25	0	25
AR	1	0	1
CA	33	0	33
CO	269	216	53
ID	1,794	1,347	447
IL	205	150	55
IA	652	649	3
KS	1,891	1,570	321
LA	0	0	0
MN	236	0	236
MO	347	220	127
MT	34	0	34
NE	2,245	1,604	641
NV	0	0	0
NM	0	0	0
OK	238	110	128
OR	9	0	9
TN	0	0	0
ТХ	181	0	181
UT	7	0	7
WA	4	0	4
WI	123	108	15
WY	0	0	0
Total	8,294	5,974	2,320

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:	10/22/2016
Railfoad: Offion Facilic	Teal: 2010	Reporting Week:	Date Week Ended:	10/28/2016

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.

AZ 17 0 98 27 0 0 AR 0 0 3 0 0 3 0 0 CA 3 0 10 25 0 0 0 CO 0 0 27 8 0 0 0 ID 7 0 143 81 0 0 0 IL 0 0 0 2 0 0 0 IA 10 16 15 0 0 0 0 KS 224 8 707 290 0 0 0 MN 0 0 42 12 0 0 0 MN 0 0 0 42 12 0 0 0 MN 0 0 0 26 9 0 0 0 MT 0 0 0	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
CA 3 0 10 25 0 0 CO 0 0 27 8 0 0 ID 7 0 143 81 0 0 IL 0 0 0 27 8 0 0 0 IL 0 0 0 0 2 0 0 0 IA 10 16 15 0 0 0 0 KS 224 8 707 290 0 0 0 MN 0 0 0 42 12 0 0 MN 0 0 11 11 0 0 0 MM 0 0 28 9 0 0 0 MV 0 0 0 0 0 0 0 0 MM 0 0 0 0 0	AZ	17	0	98	27	0	0
CO 0 27 8 0 0 ID 7 0 143 81 0 0 IL 0 0 0 2 0 0 IA 10 16 15 0 0 0 0 KS 224 8 707 290 0 0 0 LA 0 0 0 0 0 0 0 0 MN 0 0 0 11 0 0 0 MT 0 0 26 9 0 0 0 MT 0 0 26 9 0 0 0 NV 0 0 0 0 0 0 0 0 MM 0 0 0 0 0 0 0 0 MM 0 0 0 0 0 0	AR	0	0	0	3	0	0
ID 7 0 143 81 0 0 IL 0 0 0 2 0 0 IA 10 16 15 0 0 0 KS 224 8 707 290 0.0 0 KS 224 8 707 290 0.0 0 MN 0 0 0 0 0 0 0 MN 0 0 42 12 0 0 0 MM 0 0 26 9 0 0 0 MT 0.0 0.0 266 9 0 0 0 NV 0.0 0.0 0 0 0 0 0 0 NM 0 0 0 0 0 0 0 0 NM 0 0 0 0 0 0 0	CA	3	0	10	25	0	0
IL 0 0 2 0 0 IA 10 16 15 0 0 0 KS 224 8 707 290 0 0 0 LA 0 0 0 0 0 0 0 0 LA 0 0 0 0 0 0 0 0 0 MN 0 0 0 42 12 0 0 0 MO 1 0 11 0 0 0 0 MT 0 0 26 9 0 0 0 MV 0 0 0 0 0 0 0 0 NV 0 0 0 0 0 0 0 0 0 OR 0 0 0 0 0 0 0 0 0 0 0 <th>CO</th> <th>0</th> <th>0</th> <th>27</th> <th>8</th> <th>0</th> <th>0</th>	CO	0	0	27	8	0	0
IA 10 16 15 0 0 0 KS 224 8 707 290 0 0 0 LA 0 0 0 0 0 0 0 0 MN 0 0 0 42 12 0 0 0 MO 1 0 0 26 9 0 0 0 MT 0 0 26 9 0 0 0 NV 0 0 0 0 0 0 0 0 NV 0 0 0 0 0 0 0 0 NM 0 0 0 0 0 0 0 0 0 NM 0 0 0 0 0 0 0 0 0 NM 0 0 0 0 0 0 0 <th>ID</th> <th>7</th> <th>0</th> <th>143</th> <th>81</th> <th>0</th> <th>0</th>	ID	7	0	143	81	0	0
KS 224 8 707 290 0 0 LA 0 0 0 0 0 0 0 0 MN 0 0 42 12 0 0 0 MO 1 0 0 151 11 0 0 0 MT 0 0 26 9 0 0 0 ME 125 15 571 209 0 0 0 NV 0 0 0 0 0 0 0 0 NM 0 0 0 0 0 0 0 0 NM 0 0 0 0 0 0 0 0 NM 0 0 0 0 0 0 0 0 OR 0 0 0 0 0 0 0 0 0	L	0	0	0	2	0	0
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MN 0 0 42 12 0 0 MO 1 0 151 11 0 0 MT 0 0 26 9 0 0 NE 125 15 571 209 0 0 NV 0 0 0 0 0 0 NM 0 0 0 0 0 0 0 OK 345 6 214 46 0 0 0 OK 345 6 214 46 0 0 0 OK 345 6 214 46 0 0 0 OK 0 0 0 0 0 0 0 0 OK 0 0 0 0 0 0 0 MI 0 0 0 16 0 0 0 WI <th>KS</th> <th>224</th> <th>8</th> <th>707</th> <th>290</th> <th>0</th> <th>0</th>	KS	224	8	707	290	0	0
MO 1 0 151 11 0 0 MT 0 0 26 9 0 0 0 NE 125 15 571 209 0 0 0 NV 0		0	0	0	0	0	0
MT0026900NE12515571209000NV00000000NM00000000OK345621446000OR0009000TN0000900TX1368941600WA205100WI14103751000WY000000	MN	0	0	42	12	0	0
NE 125 15 571 209 0 0 0 NV 0	MO	1	0	151	11	0	0
NV 0 0 0 0 0 0 0 NM 0	MT	0	0		9	0	0
NM 0		125	15	571	209	0	0
OK 345 6 214 46 0 0 OR 0 0 0 9 0 0 0 TN 0 0 0 0 0 0 0 0 TX 136 8 94 16 0 0 0 UT 0 0 19 16 0 0 0 WA 2 0 5 1 0 0 0 WI 141 0 375 10 0 0 0 WY 0 0 0 0 0 0 0 0		0	0	0	0	0	0
OR 0 0 0 9 0 0 TN 0		-	0	-	0	0	0
TN 0 0 0 0 0 0 0 TX 136 8 94 16 0 0 0 UT 0 0 19 16 0 0 0 WA 2 0 5 1 0 0 0 WI 141 00 375 10 0 0 0 WY 0 0 0 0 0 0 0 0		345	6	214	46	0	0
TX 136 8 94 16 0 0 UT 0 0 19 16 0 0 0 WA 2 0 5 1 0 0 0 WI 141 0 375 10 0 0 0 WY 0 0 0 0 0 0 0 0		0	0	0	9	0	0
UT 0 0 19 16 0 0 WA 2 0 5 1 0 0 WI 141 0 375 10 0 0 WY 0 0 0 0 0 0		-	0	0	0	0	0
WA 2 0 5 1 0 0 WI 141 0 375 10 0 0 0 WY 0 0 0 0 0 0 0 0 0		136	8			0	0
WI 141 0 375 10 0 0 WY 0<		0	0	19	16	0	0
WY 0 0 0 0 0 0 0 0			0	0	1	0	0
			Ű	375		0	Ţ
TOTAL 1,011 7 2,497 775 0 0		Ū.	0	0	-	0	0
	TOTAL	1,011	7	2,497	775	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:	10/22/2016
			Date Week Ended:	10/28/2016
	For Grain Shuttle (Or Dedicate dated To Reflect The Previous		, Ву	
Region (Please Specify Destination Region) Trip Performance Previous Four Weeks				
AR/TX		3.4		
CA/AZ		3.0		
Gulf		3.4		
Mexico	2.0			
PNW	5.1			
Other Domestic		5.3		

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 tc 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	20.0		
Ilinois Basin 0.3			
Uinta Basin	4.9		

Methodology:

Average daily count of loaded coal trains released by the mines