2017 Agricultural Shipper Needs Survey: Upper Mississippi River System



Sponsored by: United States Army Corps of Engineers and Washington State University

Your responses to this survey will help us determine the need for transportation investments in your region. This information will be used by Federal and State Transportation agencies to evaluate and support public provision of transportation infrastructure improvements. The survey should take only about 15 minutes.

The public reporting burden for this collection of information, 0710-0018, is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

RETURN YOUR COMPLETED QUESTIONNAIRE TO:

Social & Economic Sciences Research Center Washington State University PO Box 641801 Pullman, WA 99164-1801

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SLIDMENT	NFORMATION
Shipwent	

Choice: Consider your last shipment from this elevator: *«ADDRESS1» «CITY», «STATE» «ZIP»*

- Q1. What is the primary commodity you ship from this elevator? _____ commodity
- Q2. At this location, do you have loading capabilities for...
 - YesNoa. Trucks..... \square_1 b. Rail Cars.... \square_1 c. Barges.... \square_1 \square_2
 - Q2b. If YES to Rail loading capability, what is your rail car loading capacity?

_____ # of cars

Q2c. If NO to Rail loading capability, how close is the nearest rail loading facility to this elevator?

_____ miles

Q2d. If NO to Barge loading capability, how close is the nearest barge loading facility to this elevator?

_____ miles

YOUR LAST FREIGHT SHIPMENT

Q3.	What comm	commodity					
Q4.	Where was	_ city	_ state				
Q4b	. What type o	of destination is this?					
	\Box_1 River terminal \Box_2 Another Elevator \Box_3 Railroad terminal \Box_4 Processing Plant \Box_5 Other (specify):						
Q5.	25. How large was this shipment (payload weight)?						
			_ payload weight, in				
	\square_1 Tons \square_4 Bushels	\square_2 Hundred Weight (Cwt)* \square_5 Shipment	\square_3 Gallons \square_6 Other (specify):				
	* Cwt used throughout						

Q6. What type of transportation was used for this shipment, approximately what distance did each travel (in miles), and what was the transportation rate?

Mode	Distance	т	ransportatio	on		Pe	r Unit typ	e for com	modity		
(check if used)	Traveled		Rate		Tons	Cwt	Gallons	Bushels	Shipment	Other (sp	ecify)
▼	▼		▼		▼	▼	▼	▼	▼	▼	
Truck		_ miles	\$	_ rate	\square_1	\square_2	\square_3	\square_4	\square_5	\square_6	
🗖 Rail		_ miles	\$	_ rate	\square_1		\square_3	\square_4	\square_5	\square_6	
Barge		_ miles	\$	_ rate	\square_1	\square_2	\square_3	\square_4	\square_5	\square_6	
	Total Dista Traveled		Total Co	ost	Tons	Cwt	Gallons	Bushels	Shipment	Other (s	pecify)
	▼		▼		•	•	•	V		_	
Total Shipmen	t	miles	\$	_rate	\square_1	\square_2	L ₃	\square_4		\square_6	

Q7. What do you estimate was the shipment time (include scheduling time, wait for equipment and transit time)?

_____ days + _____ hours.

Q8. How reliable is the service? That is, for shipments like this one, what percent of the time do you expect them to arrive on time?

_____ percent on-time arrivals

Q9. What price did you receive for your commodity at the destination terminal?

_____ dollars per unit

\square_1 Tons \square_2 Cwt \square_3 Gallons \square_4 Bushels	\square_5 Shipment	\square_6 Other (specify):	
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SHIPPING ALTERNATIVES

We want to know what options you could take if the mode and destination you used for your last shipment had not been available and would never be available. For example, if the rail system were shut down, shippers who used rail could use truck instead of rail, or could use barge with truck access to a barge loading facility, or could have sent the shipment to a different destination. We need to know what these alternatives are for you. Nearly everyone has some kind of shipping alternatives. If not, then the only alternative is to shut down and go out of business. Please provide us with information on these alternatives for you.

Q10. If the mode and destination you used for your last shipment had not been available and would never be available, what would you do?

 \Box_1 Shut down and go out of business \rightarrow skip to Q25

 \square_2 Continue your operations but in a different, perhaps costlier way

			FIRST SHI	PPING	ALTE	RNATIV	Έ			
Q11. V	Where would t	his co	mmodity be	shipp	ed to?			с	ity	state
Q11b. '	What type of (destin	ation is this?							
	1 River terminal C 5 Other (please sp					nal 🗖4	Processir	ng Plant		
-	What transpor listance would					-			-	
(check if u ▼	e Distance used) traveled Truck Rail Barge	▼ miles	▼ \$ rate		▼ □2	Gallons ▼ □3	Bushels ▼		Other (sp ▼ □ ₆ □ ₆	
	▼		Total Cost ▼	Tons ▼	Cwt ▼	Gallons ▼	Bushels ▼	Shipment ▼	▼	
Total Sh	nipment	miles	\$rate	\square_1	\square_2	\square_3	\square_4	\square_5	\square_6	
Q13. V v	What do you e vait for equipr	stimat nent a	te would be the tend transit tin	he shi 1e)?	pment	t time ((include	schedi	uling t	ime,
	d	ays + _	hou	rs.						
	How reliable w of the time wo	uld yo	u expect the	n to a				like this	s one,	what percei
015. F	How large wou		t on-time arriva ur shipment k		vload	weight	t)?			
4 -0	_	-			-	_	-) -			
	\square Tons \square_2 Cwt									
Q16. V	What price wo	uld yo	u receive for	your	comm	odity a	at the d	estinatio	on teri	ninal?
		dollars	per unit							
	1 Tons \square_2 Cwt	□ ₃ G	allons \square_4 Bush	els 🛛	5 Shipm	ent \square_6	Other (sp	ecify):		

OTHER SHIPPING ALTERNATIVES

Please complete the table below for your other shipping alternatives. <u>If you have no other alternatives, skip to Q24</u>

	Second Alternative	Third Alternative			
Q17. Where would it be shipped to?	city state	city state			
Q18. What type of destination is this?	\square_1 River terminal \square_2 Another Elevator \square_3 Rail terminal \square_4 Processing Plant \square_5 Other (specify): \square	\square_1 River terminal \square_2 Another Elevator \square_3 Rail terminal \square_4 Processing Plant \square_5 Other (specify):			
Q19a. What type of transportation modes would be used for this shipment?	Mode (Check if used)Distance traveledTransportation rate \checkmark \checkmark \checkmark \checkmark \square Truckmilesrate \square Railmilesrate \square Bargemilesrate \square_1 Tons \square_2 Cwt \square_3 Gallons \square_4 Bushels \square_5 Shipment \square_6 Other (specify):	Mode (Check if used)Distance traveledTransportation rate \checkmark \checkmark \checkmark \checkmark \square Truckmilesrate \square Railmilesrate \square Bargemilesrate \square_1 Tons \square_2 Cwt \square_3 Gallons \square_4 Bushels \square_5 Shipment \square_6 Other (specify):			
Q19b. What is the total distance and total cost for this shipment?	TotalTotalDistanceCostTotalMiles \$rateShipmentMiles \$rate \Box_1 Tons \Box_2 Cwt \Box_3 Gallons \Box_4 Bushels \Box_5 Shipment \Box_6 Other (specify):	TotalTotalDistanceCostTotalMiles \$ShipmentMiles \$ \square_1 Tons \square_2 Cwt \square_3 Gallons \square_4 Bushels \square_5 Shipment \square_6 Other (specify):			
Q20. What do you estimate would be the shipment time?	days + hours	days + hours			
Q21. How reliable would the service be?	% on-time arrivals	% on-time arrivals			
Q22. How large would the shipment be?	$\begin{array}{c} \underline{} payload weight \\ \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	payload weight \square_1 Tons \square_2 Cwt \square_3 Gallons \square_4 Bushels \square_5 Other (specify):			
Q23. What estimated price would you receive for your commodity at the destination terminal?	$ dollars D_1 Tons D_2 Cwt D_3 Gallons D_4 Bushels D_5 Shipment D_6 Other (specify): $	$ dollars D_1 Tons D_2 Cwt D_3 Gallons D_4 Bushels D_5 Shipment D_6 Other (specify): $			

Q24. Of the alternative shipments, if any, what is your "preferred alternative"? That is, if you could not make the shipment you made what shipment would you have made?



 \square_1 First Alternative

- \square_2 Second Alternative
- \square_3 Third Alternative
- \square_4 Other Alternative (specify):

TRANSPORTATION RATES

In each of the next three questions relating to rate and service changes, please regard the changes as permanent changes. Also, if you marked you have no alternatives in Q10, page 3, please consider "out-of-business" as your alternative.

- Q25. For your last shipment, if the transportation rate increased <u>«Percent change1»%</u>, would you continue with the original mode and destination or switch to your best alternative choice?
 - \square_1 Continue to use Original mode
 - \square_2 Switch to Best Alternative Choice \rightarrow Skip to Q26
 - \square_3 Go out-of-business \rightarrow Skip to Q26

Q25b. If you would continue to use your Original mode, what percentage increase in the transportation rate would be necessary to cause you to switch to the Alternative transportation mode?

_____ % increase

TRANSIT TIME

- Q26. For your last shipment, if the transit time (including scheduling and wait for equipment) for the original option increased "Percent change2", would you continue with the original mode and destination or switch to the alternative at this location?
 - \square_1 Continue to use Original mode
 - \square_2 Switch to Best Alternative Choice \rightarrow Skip to Q27
 - \square_3 Go out-of-business \rightarrow Skip to Q27
 - Q26b. If you would continue to use your Original mode, what percentage increase in the transit time would be necessary to cause you to switch to the Alternative transportation mode?

% increase

RELIABILITY

- Q27. For your last shipment, if the reliability (percentage of time shipments arrived on-time) of the original option decreased <u>«Percent_change3»%</u>, would you continue with the original mode and destination or switch to the alternative at this location?
 - \square_1 Continue to use Original mode
 - \square_2^2 Switch to Best Alternative Choice \rightarrow Skip to Q28
 - \square_3 Go out-of-business \rightarrow Skip to O28
 - Q27b. If continue to use Original mode, what percentage decrease in the reliability would be necessary to cause you to switch to the Alternative transportation mode?

% decrease

VOLUME

Q28. If the average transportation rate you pay increased by <u>«Percent_change4»%</u>, would your annual volume shipped decrease (assume the rate increase applies to *BOTH* you and to your competitors)?

 $\Box_1 \text{ Yes} \\ \Box_2 \text{ No } \rightarrow \text{ Skip to } Q29$

Q28b. If yes, by how much would the volume decrease (assuming the rate increase applies to both you and to your competitors)?

_____ volume decrease

Q29. If the average transportation rate you pay increased by <u>«Percent_change5»%</u>, would your annual volume decrease (assume that the rate increase applies *ONLY* to your firm and *NOT* to your competitors)?

 $\Box_1 \text{ Yes} \\ \Box_2 \text{ No } \rightarrow \text{ Skip to Q30}$

Q29b. If yes, by how much would the volume decrease (assuming that the rate increase applies ONLY to your firm and NOT to your competitors)?

_____ volume decrease

Q30. If the average time in transit increased by <u>«Percent_change6»%</u>, would your annual volume decrease?

 $\Box_1 \text{ Yes} \\ \Box_2 \text{ No } \rightarrow \text{ skip to Q31}$

Q30b. If yes, by how much would the volume decrease?

_____ volume decrease

Q31. If the average time that shipments arrive on-time decreased by <u>«Percent_change7»%</u>, would your annual volume decrease?

 $\Box_1 \text{ Yes} \\ \Box_2 \text{ No } \rightarrow \text{ skip to } Q32$

Q31b. If yes, by how much would the volume decrease?

volume decrease

SHIPPER CHARACTERISTICS

Q32. How long has this elevator been at its current location?

	years
Q33.	How large is your elevator?
	Total Amount of Annual Units Shipped
I	please check the type of unit for this elevator \Box_1 Tons \Box_2 Cwt \Box_3 Gallons \Box_4 Bushels \Box_5 Other (specify):
	Total Amount of Storage Capacity
I	\square_1 Tons \square_2 Cwt \square_3 Gallons \square_4 Bushels \square_5 Other (specify):
Q34.	Does your firm (or parent firm) own export or import facilities?
	\square_1 Yes \square_2 No
Q35.	How many facilities such as this one does your firm own and/or operate?
	number of elevators.
O36.	Thank you for your help with this study. We would welcome any addition

Q36. Thank you for your help with this study. We would welcome any additional comments you would like to provide about shipping.

Please return your completed questionnaire to:

Social & Economic Sciences Research Center Washington State University PO Box 641801 Pullman, WA 99164-1801

(Form: ELVA-17 20170718)

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