

OMB Control #: 0710-0018 Expiration: 11/30/2019

2017 Agricultural Shipper Transportation Needs Survey

Transportation rates and service are central to the competitiveness of businesses. Transportation is becoming expensive and delayed at times, and there is significant need for investment in highways, railroads, and waterways. Federal and state agencies are typically mandated to assess the costs and benefits of investments. These assessments require information on the ways you send or receive commodities and the options that you have.

The study is being conducted by the Social and Economic Sciences Research Center at Washington State University in partnership with the US Army Corps of Engineers.

We are centrally interested in transportation movements that could involve or be affected by the waterways and railways. Our assessment of your company suggests that the type of traffic you move and your location may involve these modes or could involve these modes, perhaps through a truck or rail connection.

Thank you very much for helping with this study. Your input to this survey is essential!

Sincerely,

**Danna Moore
SESRC WSU Study Director**

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Question 01 of 36

Consider your last shipment from this elevator:

[fill NAME]

[fill ADDRESS1]

[fill CITY, STATE ZIP]

What is the primary commodity you ship from this elevator?

commodity

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Question 02aa of 36

At this location, do you have loading capabilities for...

	Yes	No
Trucks	<input type="radio"/>	<input type="radio"/>
Rail Cars	<input type="radio"/>	<input type="radio"/>
Barges	<input type="radio"/>	<input type="radio"/>

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What is your rail car loading capacity?

of cars

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How close is the nearest rail loading facility to this elevator?

miles

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How close is the nearest barge loading facility to this elevator?

miles

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What commodity was shipped in your last shipment?

commodity

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Where was this commodity shipped to?

City State

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What type of destination is this?

- River terminal
- Another elevator
- Railroad terminal
- Processing plant
- Other (specify):

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How large was this shipment (payload weight)?

payload weight or volume

What was the unit of weight or volume for this last shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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Did you use any of the following modes of transportation in this last shipment?

	Yes	No
Truck	<input type="radio"/>	<input type="radio"/>
Rail	<input type="radio"/>	<input type="radio"/>
Barge	<input type="radio"/>	<input type="radio"/>

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What was the distance traveled by TRUCK for this last shipment?

miles traveled by truck

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What was the distance traveled by RAIL for this last shipment?

miles traveled by rail

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What was the distance traveled by BARGE for this last shipment?

miles traveled by barge

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What was the TOTAL DISTANCE TRAVELED by ALL MODES for this last shipment?

TOTAL miles traveled by ALL MODES

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Question 06ac of 36

What was the TRUCK transportation rate per unit?

\$ transportation rate per unit

What was the unit of weight or volume for this last shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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Question 06bc of 36

What was the RAIL transportation rate per unit?

\$ transportation rate per unit

What was the unit of weight or volume for this last shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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What was the BARGE transportation rate per unit?

\$ transportation rate per unit

What was the unit of weight or volume for this last shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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What was the TOTAL TRANSPORTATION COST per unit?

\$ Total Cost per unit for shipment

What was the unit of weight or volume for this last shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

|

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

Days + Hours

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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

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

dollars per unit

What was the unit of weight or volume for this last shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Other (specify):

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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.

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

- Shut down and go out of business
- Continue your operations but in a different, perhaps costlier way

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[First Shipping Alternative]

Where would this commodity be shipped to?

City State

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[First Shipping Alternative]

What type of destination is this?

- River terminal
- Another elevator
- Railroad terminal
- Processing plant
- Other (specify):

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[First Shipping Alternative]

Would you use any of the following modes of transportation in this first alternate shipment?

	Yes	No
Truck	<input type="radio"/>	<input type="radio"/>
Rail	<input type="radio"/>	<input type="radio"/>
Barge	<input type="radio"/>	<input type="radio"/>

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[First Shipping Alternative]

What would be the distance traveled by TRUCK for this first alternate shipment?

miles traveled by truck

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[First Shipping Alternative]

What would be the distance traveled by RAIL for this first alternate shipment?

miles traveled by rail

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[First Shipping Alternative]

What would be the distance traveled by BARGE for this first alternate shipment?

miles traveled by barge

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[First Shipping Alternative]

What would be the TOTAL DISTANCE TRAVELED by ALL MODES for this first alternate shipment?

TOTAL miles traveled by ALL MODES

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Question 12ac of 36

[First Shipping Alternative]

What would be the TRUCK transportation rate per unit?

\$ transportation rate per unit

What would be the unit of weight or volume for this first alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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[First Shipping Alternative]

What would be the RAIL transportation rate per unit?

\$ transportation rate per unit

What would be the unit of weight or volume for this first alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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[First Shipping Alternative]

What would be the BARGE transportation rate per unit?

\$ transportation rate per unit

What would be the unit of weight or volume for this first alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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[First Shipping Alternative]

What would be the TOTAL TRANSPORTATION COST per unit?

\$ Total Cost per unit for shipment

What would be the unit of weight or volume for this first alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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[First Shipping Alternative]

What do you estimate would be the shipment time (include scheduling time, wait for equipment and transit time)?

Days + Hours

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[First Shipping Alternative]

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

percent on-time arrivals

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[First Shipping Alternative]

How large would this shipment be (payload weight)?

payload weight or volume

What would be the unit of weight or volume for this first alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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[First Shipping Alternative]

What price would you receive for your commodity at the destination terminal?

dollars per unit

What would be the unit of weight or volume for this first alternate shipment?

- Tons
- Hundred weight (cwt.)
- Gallons
- Bushels
- Other (specify):

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[First Shipping Alternative]

Do you have any additional shipping alternatives?

- Yes
- No

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[Second Shipping Alternative]

Where would this commodity be shipped to?

City State

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[Second Shipping Alternative]

What type of destination is this?

- River terminal
- Another elevator
- Railroad terminal
- Processing plant
- Other (specify):

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Question 19aa of 36

[Second Shipping Alternative]

Would you use any of the following modes of transportation in this second alternate shipment?

	Yes	No
Truck	<input type="radio"/>	<input type="radio"/>
Rail	<input type="radio"/>	<input type="radio"/>
Barge	<input type="radio"/>	<input type="radio"/>

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[Second Shipping Alternative]

What would be the distance traveled by TRUCK for this second alternate shipment?

miles traveled by truck

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[Second Shipping Alternative]

What would be the distance traveled by RAIL for this second alternate shipment?

miles traveled by rail

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[Second Shipping Alternative]

What would be the distance traveled by BARGE for this second alternate shipment?

miles traveled by barge

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[Second Shipping Alternative]

What would be the TOTAL DISTANCE TRAVELED by ALL MODES for this second alternate shipment?

TOTAL miles traveled by ALL MODES

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[Second Shipping Alternative]

What would be the TRUCK transportation rate per unit?

\$ transportation rate per unit

What would be the unit of weight or volume for this second alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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[Second Shipping Alternative]

What would be the RAIL transportation rate per unit?

\$ transportation rate per unit

What would be the unit of weight or volume for this second alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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[Second Shipping Alternative]

What would be the BARGE transportation rate per unit?

\$ transportation rate per unit

What would be the unit of weight or volume for this second alternate shipment?

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[Second Shipping Alternative]

What would be the TOTAL TRANSPORTATION COST per unit?

\$ Total Cost per unit for shipment

What would be the unit of weight or volume for this second alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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[Second Shipping Alternative]

What do you estimate would be the shipment time (include scheduling time, wait for equipment and transit time)?

Days + Hours

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[Second Shipping Alternative]

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

percent on-time arrivals

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Question 22a1 of 36

[Second Shipping Alternative]

How large would this shipment be (payload weight)?

payload weight or volume

What would be the unit of weight or volume for this second alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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Question 23a1 of 36

[Second Shipping Alternative]

What price would you receive for your commodity at the destination terminal?

dollars per unit

What would be the unit of weight or volume for this second alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Other (specify):

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Question 17x2 of 36

[Second Shipping Alternative]

Do you have any additional shipping alternatives?

- Yes
- No

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[Third Shipping Alternative]

Where would this commodity be shipped to?

City State

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[Third Shipping Alternative]

What type of destination is this?

- River terminal
- Another elevator
- Railroad terminal
- Processing plant
- Other (specify):

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[Second Shipping Alternative]

Would you use any of the following modes of transportation in this second alternate shipment?

	Yes	No
Truck	<input type="radio"/>	<input type="radio"/>
Rail	<input type="radio"/>	<input type="radio"/>
Barge	<input type="radio"/>	<input type="radio"/>

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[Third Shipping Alternative]

What would be the distance traveled by TRUCK for this third alternate shipment?

miles traveled by truck

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Question 19be of 36

[Third Shipping Alternative]

What would be the distance traveled by RAIL for this third alternate shipment?

miles traveled by rail

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[Third Shipping Alternative]

What would be the distance traveled by BARGE for this third alternate shipment?

miles traveled by barge

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[Third Shipping Alternative]

What would be the TOTAL DISTANCE TRAVELED by ALL MODES for this third alternate shipment?

TOTAL miles traveled by ALL MODES

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[Third Shipping Alternative]

What would be the TRUCK transportation rate per unit?

\$ transportation rate per unit

What would be the unit of weight or volume for this third alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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[Third Shipping Alternative]

What would be the RAIL transportation rate per unit?

\$ transportation rate per unit

What would be the unit of weight or volume for this third alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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[Third Shipping Alternative]

What would be the BARGE transportation rate per unit?

\$ transportation rate per unit

What would be the unit of weight or volume for this third alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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[Third Shipping Alternative]

What would be the TOTAL TRANSPORTATION COST per unit?

\$ Total Cost per unit for shipment

What would be the unit of weight or volume for this third alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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[Third Shipping Alternative]

What do you estimate would be the shipment time (include scheduling time, wait for equipment and transit time)?

Days + Hours

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[Third Shipping Alternative]

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

percent on-time arrivals

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[Third Shipping Alternative]

How large would this shipment be (payload weight)?

payload weight or volume

What would be the unit of weight or volume for this third alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Shipment
- Other (specify):

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[Third Shipping Alternative]

What price would you receive for your commodity at the destination terminal?

dollars per unit

What would be the unit of weight or volume for this third alternate shipment?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Other (specify):

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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?

- First Alternative
- Second Alternative
- Third Alternative
- Other Alternative (specify):

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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, please consider "out-of-business" as your alternative.

For your last shipment, if the transportation rate increased «Percent_change1»%, would you continue with the original mode and destination or switch to your best alternative choice?

- Continue to use Original mode
- Switch to Best Alternative Choice
- Go out-of-business

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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

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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?

- Continue to use Original mode
- Switch to Best Alternative Choice
- Go out-of-business

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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

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For your last shipment, if the reliability (percentage of time shipments arrived on-time) of the original option decreased «Percent_change3»%, would you continue with the original mode and destination or switch to the alternative at this location?

- Continue to use Original mode
- Switch to Best Alternative Choice
- Go out-of-business

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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

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

- Yes
- No

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How much would the volume decrease (assuming the rate increase applies to both you and to your competitors)?

volume decrease

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

- Yes
- No

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How much would the volume decrease (assuming that the rate increase applies ONLY to your firm and NOT to your competitors)?

volume decrease

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If the average time in transit increased by «Percent_change6»%, would your annual volume decrease?

- Yes
- No

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How much would the volume decrease?

volume decrease

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If the average time that shipments arrive on-time decreased by «Percent_change7»%, would your annual volume decrease?

- Yes
- No

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How much would the volume decrease?

volume decrease

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How long has this elevator been at its current location?

years

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How large is your elevator?

Total Amount of Annual Units Shipped

What is the type of unit for this elevator?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Other (specify):

|

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How large is your elevator?

Total Amount of Storage Capacity

What is the type of unit for this elevator?

- Tons
- Hundred weight (Cwt)
- Gallons
- Bushels
- Other (specify):

|

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Does your firm (or parent firm) own export or import facilities?

- Yes
- No

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How many facilities such as this one does your firm own and/or operate?

number of elevators

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

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To submit the survey click "Submit survey" button below.
To review your answers starting from the beginning click "Review your answers" button.

Review your answers

Submit survey

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