

AQMD High Cube Warehouse Truck Trip Study Stakeholder Working Group

August 1, 2012

Draft Business Survey

- Draft Business Survey developed using observations from site visits and feedback from working groups
- Online format
 - Easier to use
 - Facilitates data analysis
 - Paper version also available
- Draft Business Survey available online for review
 - <https://www.surveymonkey.com/s/QK3MW36>

User Information

	12%
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1. Facility Information

Facility Name	<input type="text"/>
Facility Street Address	<input type="text"/>
City	<input type="text"/>
State	<input type="text"/>
Zip Code	<input type="text"/>

2. Contact

Name	<input type="text"/>
Title	<input type="text"/>
Phone	<input type="text"/>
E-mail	<input type="text"/>

Next

Building Information

 25%

3. What is the size of your warehouse excluding office space?

Warehouse size in square feet

4. Are you the only tenant at this facility?

- Yes
 No

5. What is the approximate ceiling height of your building?

Ceiling height in feet

6. How many dock doors are located at your warehousing operation?

Number of dock doors

7. What percentage of floor space is typically dedicated to each activity?

Storage racks	<input type="text"/>
Cross dock	<input type="text"/>
Parcel	<input type="text"/>
Sorting	<input type="text"/>
Refrigeration/freezer	<input type="text"/>
Value added service (labeling, etc.)	<input type="text"/>
Supporting activities (pallet handling, forklift battery charging, cardboard handling, etc.)	<input type="text"/>
Other	<input type="text"/>

Prev

Next



38%

8. Approximately how many employees work at your facility on a typical day?

full time

part time

9. What is your busiest month or months?

- | | | |
|-----------------------------------|---------------------------------|------------------------------------|
| <input type="checkbox"/> January | <input type="checkbox"/> May | <input type="checkbox"/> September |
| <input type="checkbox"/> February | <input type="checkbox"/> June | <input type="checkbox"/> October |
| <input type="checkbox"/> March | <input type="checkbox"/> July | <input type="checkbox"/> November |
| <input type="checkbox"/> April | <input type="checkbox"/> August | <input type="checkbox"/> December |

10. How much busier are you during these months compared to average months?

% increase

11. How does your current goods throughput compare to your historical best year? (only fill in one)

% higher

% lower

12. How long do you generally take to turn over your inventory?

- | | | |
|------------------------------|---------------------------------|-------------------------------------|
| <input type="radio"/> Daily | <input type="radio"/> Monthly | <input type="radio"/> Semi-annually |
| <input type="radio"/> Weekly | <input type="radio"/> Quarterly | <input type="radio"/> Annually |

Automation



50%

13. If your warehouse uses conveyORIZED track/belt to move goods throughout your facility, approximately how many miles of conveyor do you use?

- We don't use conveyors
- Less than 1 mile
- About 1 mile
- About 2 miles
- About 3 miles
- About 4 miles
- About 5 miles
- More than 5 miles

14. How many forklifts/pallet jacks does your business use?

Number of forklifts/pallet jacks

15. Does your facility use any of the following?

- Automated barcode scanning
- Automated sorting
- Automated storage
- ConveyORIZED loading and/or unloading directly into trailers
- Other

Prev

Next

Vehicle Activity



16. How many employee vehicles enter through your gate(s) on the busiest day of a typical week?

Number of light duty cars and pickup trucks

17. How many heavy duty trucks enter through your gate(s) on the busiest day of a typical week?

Number of heavy duty trucks (e.g., 18-wheeler)

18. What is the typical duration of each heavy duty truck visit?

- Less than 30 minutes
- 30 minutes to 1 hour
- 1 to 2 hours
- 2 to 3 hours
- Greater than 3 hours

19. What percentage of deliveries come from the following locations?

Port of Los Angeles	<input type="text"/>
Port of Long Beach	<input type="text"/>
Port of San Diego	<input type="text"/>
Port Hueneme	<input type="text"/>
Other Warehouses	<input type="text"/>
Rail Yard	<input type="text"/>
Airport	<input type="text"/>
Local Store (southern CA)	<input type="text"/>
Non-local Store (other CA)	<input type="text"/>
Out of State	<input type="text"/>

Fleet Information



21. How many hostlers (i.e., yard goats) does your warehouse operate?

Number of hostlers

22. If you own heavy duty delivery trucks, please indicate which engine technology makes up the largest portion of your fleet:

- Pre-2007 model year diesel engines
- Model year 2007 or newer diesel engines
- Model year 2010 or newer diesel engines
- LNG
- Other alternative fuel

Prev Next

Miscellaneous



Last Question!

23. List any other features of your operation that you think might benefit or impact air quality.

Prev Next

Draft Business Survey

Next Steps

- Draft Business Survey will be sent to approximately 10 warehouse operators as a pilot study
- Final Business Survey will be sent to remaining businesses after receiving any feedback from pilot study warehouses or working groups

NAIOP Warehouse Truck Study

Data Collection Period

- Truck counts collected December 2008
- NAIOP study used port container data to conclude that truck counts are representative
 - December is an average month
 - 2008 is an average year
- Port data shows that December 2008 is second lowest month in preceding 5 year period

