

Introduction, Background & Agreement to participate

This survey is being conducted by the Earthquake Engineering Research Institute (EERI) in collaboration with local economic development and business organizations as a part of its Resilience Observatory Project funded by U.S. National Science Foundation Award #1235573. This survey was developed by a working group of EERI members including researchers from two universities, a federal agency (USGS), a regional planning agency, and an engineering consulting firm, along with input from EERI staff.

This survey gathers information about the economic impacts of the South Napa Earthquake of August 24, 2014 over time. It will be used to understand the effects of an earthquake on businesses and ways that businesses are resilient.

Your participation in the survey will:

- Provide a record of the experience of businesses in Napa as the city recovered from the August 2014 earthquake.
- Enhance understanding of business resilience and ways to prepare for and mitigate the effects of earthquakes
- Improve post disaster monitoring to inform programs/policies to support businesses.

Results will be shared with government decision makers, business groups, emergency managers and planners, researchers, risk mitigation experts, and interested members of the general public.

This survey will take approximately 1 hour to complete. This study is only made possible through your participation so we thank you very much for your time.

All responses from the survey will be stored securely by the research team. Your identity and information that could identify your business will remain confidential and we will only refer to your responses in a manner that conceals your identifying information unless given permission otherwise. The information we collect on business names, addresses, and names of respondents will help us to avoid inadvertently duplicating survey requests while appropriately linking up follow-up surveys during the recovery period.

We do not expect completing this survey will pose any risks to you or your business, however please skip any questions that make you uncomfortable.

Participation in the survey is voluntary. You may leave the survey at any time or decline to answer any question.

Any questions that you have about the research, your participation, or your rights as a research participant may be directed to Shizza Fatima, EERI Interim Napa Pilot Survey Project Lead, by phone at (510) 451-0905 or email at shizza@eeri.org.

We very much appreciate your willingness to assist EERI and to be part of this innovative case study on business resilience practices.

* 1. Agreement to Participate

- ☐ By checking the box below, I acknowledge that I have read the above description, am 18 years or older, and agree to participate in this study as a survey respondent.
- ☐ No, I do not want to participate in this survey.

Business Representative Information

2. Please enter your name and contact information

Name

Email

Phone Number

3. What is your role?

- ☐ Business Owner
- ☐ Business Manager
- ☐ Other business role

4. How many years have you lived in the in the region affected by the earthquake?

- ☐ Do not live in city/town/neighborhood
- ☐ Less than 1 year
- ☐ 1-4 years
- ☐ 5-9 years
- ☐ More than 10 years

5. How many years have you worked in the in the region affected by the earthquake?

- ☐ Do not work in city/town/neighborhood
- ☐ Less than 1 year
- ☐ 1-4 years
- ☐ 5-9 years
- ☐ More than 10 years

6.What is your highest level of education?

- ☐ K-8th grade
- ☐ 9th-11th grade
- ☐ High school graduate
- ☐ Some college no degree
- ☐ Associate's degree
- ☐ Bachelor's degree
- ☐ Master's degree
- ☐ Professional degree
- ☐ Doctoral degree
- ☐ Prefer not to disclose

7. What is your gender identity?

- ☐ Male
- ☐ Female
- ☐ Prefer not to disclose

8. With which of the following groups do you identify yourself?

- ☐ White
- ☐ Black/African-American
- ☐ American Indian/Alaska Native
- ☐ Asian
- ☐ Native Hawaiian/Other Pacific Islander
- ☐ Hispanic/Latino/Spanish
- ☐ Prefer not to disclose
- ☐ Other race or origin (please specify):

9. What is your age?

- ☐ <30
- ☐ 30-39
- ☐ 40-49
- ☐ 50-59
- ☐ 60-69
- ☐ >=70
- ☐ Prefer not to disclose

Business Name and Address Information

Please enter the following information about the business in its pre-earthquake state.

10. Please enter the Business Name.

11. Please enter the Business Mailing Address (primary business contact address). This will be used by the research team to link this survey response to any follow-up surveys about recovery progress.

Street

City

Zip Code

12. Please enter the business email address

13. Please enter a brief description of the business and its location(s) in the earthquake impacted region. (e.g., frozen yogurt shop with three locations in the earthquake impacted region, or small mortgage title company office on Main St in Smalltown).

This survey will ask various questions about the business you indicated above.

The first several sections of questions will refer to the business as one comprehensive entity that includes all related locations, buildings, and sites in the earthquake impacted region only. There will be a few questions that are clearly noted that refer to the entire business, if you have any locations or sites outside of the earthquake impacted region.

The final sections in this survey will ask questions that refer to a single building occupied by the business. For these questions you will be asked to enter a specific building address. If your business occupied more than one building in the earthquake impacted region, you will have the opportunity to answer the same set of questions for each building.

Baseline Information of Business Entity

Please enter the following information about the business entity in its pre-earthquake state. Unless noted clearly otherwise, in the following questions “business” or “business entity” refers to the business as one comprehensive entity that includes all related locations, buildings, and sites in the earthquake impacted region only. If the exact question answer (i.e. number, date) is unknown, approximate answers are appreciated and will be useful to this study.

If for any reason, you choose to exclude any business locations or sites in these responses, please be consistent in their exclusion throughout the section and indicate any exclusions or caveats in the final comment box at the end of the section.

14. In what year was this business established?

15. What was your primary line of business before the earthquake?

- ☐ Agriculture, Forestry, Fishing and Hunting
- ☐ Mining, Quarrying, and Oil and Gas Extraction
- ☐ Utilities
- ☐ Construction
- ☐ Manufacturing
- ☐ Wholesale Trade
- ☐ Retail Trade
- ☐ Transportation and Warehousing
- ☐ Information
- ☐ Finance and Insurance
- ☐ Real Estate and Rental and Leasing
- ☐ Professional, Scientific, and Technical Services
- ☐ Management of Companies and Enterprises
- ☐ Administrative and Support for Waste Management and Remediation Services
- ☐ Educational Services
- ☐ Health Care and Social Assistance
- ☐ Arts, Entertainment, and Recreation
- ☐ Accommodation
- ☐ Food Services
- ☐ Other (please specify)

16. Did you have any secondary lines of business (representing over 20% of total revenues) before the earthquake? If no, select N/A, and if yes, check all that apply.

- ☐ Not applicable
- ☐ Agriculture, Forestry, Fishing and Hunting
- ☐ Mining, Quarrying, and Oil and Gas Extraction
- ☐ Utilities
- ☐ Construction
- ☐ Manufacturing
- ☐ Wholesale Trade
- ☐ Retail Trade
- ☐ Transportation and Warehousing
- ☐ Information
- ☐ Finance and Insurance
- ☐ Real Estate and Rental and Leasing
- ☐ Professional, Scientific, and Technical Services
- ☐ Management of Companies and Enterprises
- ☐ Administrative and Support for Waste Management and Remediation Services
- ☐ Educational Services
- ☐ Health Care and Social Assistance
- ☐ Arts, Entertainment, and Recreation
- ☐ Accommodation
- ☐ Food Services
- ☐ Other (please specify)

17. What was the business ownership structure before the earthquake? Check all that apply.

- ☐ Single owner
- ☐ Partnership (multiple owners)
- ☐ Corporation or Franchise (headquarters)
- ☐ Corporation or Franchise (branch)
- ☐ Cooperative
- ☐ Publicly held
- ☐ Privately held
- ☐ Other (please specify)

18. Before the earthquake, how many employees did the business have?

Full time:

Part time:

Contractors:

19. Who were the customers of this business before the earthquake? Please provide approximate percentages of sales from local, regional, national, and international sources.

% Local:

% Regional:

% National:

% International:

20. Before the earthquake, what were the typical annual revenues of the business entity (for all locations in the earthquake impacted regions) in U.S. dollars?

- ☐ \$0 - \$500,000
- ☐ \$500,000 - \$2 million
- ☐ \$2 million - \$10 million
- ☐ \$10 million - \$100 million
- ☐ Over \$100 million

21. If the business has locations or sites beyond the earthquake impacted region, what were the typical annual revenues for the entire business (including all locations worldwide) before the earthquake in U.S. dollars?

- ☐ Not applicable
- ☐ \$0 - \$500,000
- ☐ \$500,000 - \$2 million
- ☐ \$2 million - \$10 million
- ☐ \$10 million - \$100 million
- ☐ Over \$100 million

20. Which category best describes the profitability of the business entity before the earthquake?

- ☐ Highly profitable
- ☐ Profitable
- ☐ Breaking even
- ☐ Unprofitable
- ☐ Highly unprofitable

22. Which category best describes the growth rate of the business entity (by "growth", consider aspects of the business that are most important to you, i.e. revenue, employees, profit) before the earthquake?

- ☐ Growing rapidly
- ☐ Growing
- ☐ Stable
- ☐ Declining
- ☐ Declining rapidly

24. Was this business a member of any of the following business associations before the earthquake?

- ☐ Local Chamber of Commerce
- ☐ Regional Chamber of Commerce
- ☐ Trade or Merchant Association
- ☐ Economic Development Corporation
- ☐ Other (please specify)

25. Please list addresses of all buildings located within the earthquake impacted region in which the business conducted its operations before the earthquake and a brief description of the business operations at each one.

Building #1 Address

Building #1 Description:

Building #2 Address

Building #2 Description:

Building #3 Address

Building #3 Description:

Building #4 Address

Building #4 Description:

Building #5 Address

Building #5 Description:

Any additional building

addresses and

descriptions:

26. Enter any comments or clarifications you may have on your answers in this section. If you have chosen to exclude any business locations or sites in this response about the business entity, please indicate what you decided not to include.

Operational Status of Business Entity in Immediate Earthquake Aftermath

Please enter the following information about the business entity in its post-earthquake state immediately following the earthquake. Unless noted clearly otherwise, in the following questions “business” or “business entity” refers to the business as one comprehensive entity that includes all related locations, buildings, and sites in the earthquake impacted region only.

27. Immediately following the earthquake, how long did you completely cease operations (i.e. assess status of damages or loss)?

- ☐ Did not cease operations
- ☐ Less than 24 hours
- ☐ 24-72 hours
- ☐ 3 days - 1 week
- ☐ 1 week - 1 month
- ☐ 1-3 months
- ☐ 3-6 months
- ☐ More than 6 months
- ☐ Have not resumed operations yet
- ☐ Permanently ceased operations

28. As soon as your business resumed operations, at what % capacity was your business was operating (i.e. 50% for reduced capacity, or 110% for increased capacity)? For “capacity” consider aspects of the business that are most important to you, i.e. quality and/or quantity of service or product offerings.

Current Operational Status of Business Entity

Please enter the following information about the business entity in its current post-earthquake state. Unless noted clearly otherwise, in the following questions “business” or “business entity” refers to the business as one comprehensive entity that includes all related locations, buildings, and sites in the earthquake impacted region only.

* 29. What is the current status of business operations (compared to before the earthquake)?

- ☐ Operating at reduced capacity (e.g., fewer hours, decreased production, reduced locations/buildings, etc.)
- ☐ Operating at normal capacity
- ☐ Operating at increased capacity (e.g., longer hours, increased production, etc.)
- ☐ Temporarily ceased operations
- ☐ Permanently closed operations

30. If you are currently operating at reduced or increased capacity, please enter the % capacity at which you are now operating (i.e. 50% for reduced capacity, or 110% for increased capacity)? For “capacity” consider aspects of the business that are most important to you, i.e. quality and/or quantity of service or product offerings.

Permanent Closure of Business Entity

Please enter the following information about the permanent closure of the business entity. Unless noted clearly otherwise, in the following questions “business” or “business entity” refers to the business as one comprehensive entity that includes all related locations, buildings, and sites in the earthquake impacted region only.

31. Please briefly describe the reasons for business closure.

32. How soon after the earthquake did your business close *permanently*?

- ☐ Immediately
- ☐ Within 72 hours
- ☐ Within 1 week
- ☐ Within 1 month
- ☐ Within 3 months
- ☐ Within 6 months
- ☐ More than 6 months

Recovery Status for Business Entity

Please enter the following information about the business entity in its current post-earthquake state. Unless noted clearly otherwise, in the following questions “business” or “business entity” refers to the business as one comprehensive entity that includes all related locations, buildings, and sites in the earthquake impacted region only.

If for any reason, you choose to exclude any business locations or sites in these responses, please be consistent in their exclusion throughout the section and indicate any exclusions or caveats in the final comment box at the end of the section.

33. Please indicate the current status of the following aspects of your business relative to before the earthquake. Select “N/A” if a particular aspect does not apply to your business.

	Decrease by 100%	Decrease by 75%	Decrease by 50%	Decrease by 25%	Decrease by 10%	No Change	Increase by 10%	Increase by 25%	Increase by more than 50%	Don't know	N/A
Revenue	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Costs of doing business	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Profit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Debt	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prices charged to customers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hours of operation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hours worked from home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inventory	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Product and service output	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Employee productivity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Customer demand	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Number of Employees	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

34. Which category best describes the current growth rate of the business entity (by "growth", consider aspects of the business that are most important to you, i.e. revenue, employees, profit)?

- ☐ Growing rapidly
- ☐ Growing
- ☐ Stable
- ☐ Declining
- ☐ Declining rapidly

* 35. Has your primary line of business changed since the earthquake?

- ☐ Yes
- ☐ No

Recovery Status for Business Entity (continued, part 2)

36. What is your new *primary* line of business since the earthquake?

- ☐ Agriculture, Forestry, Fishing and Hunting
- ☐ Mining, Quarrying, and Oil and Gas Extraction
- ☐ Utilities
- ☐ Construction
- ☐ Manufacturing
- ☐ Wholesale Trade
- ☐ Retail Trade
- ☐ Transportation and Warehousing
- ☐ Information
- ☐ Finance and Insurance
- ☐ Real Estate and Rental and Leasing
- ☐ Professional, Scientific, and Technical Services
- ☐ Management of Companies and Enterprises
- ☐ Administrative and Support for Waste Management and Remediation Services
- ☐ Educational Services
- ☐ Health Care and Social Assistance
- ☐ Arts, Entertainment, and Recreation
- ☐ Accommodation
- ☐ Food Services
- ☐ Other (please specify)

* 37. Have your *secondary* lines of business changed since the earthquake?

- ☐ Yes
- ☐ No

Recovery Status for Business Entity (continued, part 3)

38. What are your new *secondary* lines of business (representing over 20% of total revenues) since the earthquake?

- ☐ Not applicable, because the business no longer has any secondary lines of business.
- ☐ Agriculture, Forestry, Fishing and Hunting
- ☐ Mining, Quarrying, and Oil and Gas Extraction
- ☐ Utilities
- ☐ Construction
- ☐ Manufacturing
- ☐ Wholesale Trade
- ☐ Retail Trade
- ☐ Transportation and Warehousing
- ☐ Information
- ☐ Finance and Insurance
- ☐ Real Estate and Rental and Leasing
- ☐ Professional, Scientific, and Technical Services
- ☐ Management of Companies and Enterprises
- ☐ Administrative and Support for Waste Management and Remediation Services
- ☐ Educational Services
- ☐ Health Care and Social Assistance
- ☐ Arts, Entertainment, and Recreation
- ☐ Accommodation
- ☐ Food Services
- ☐ Other (please specify)

* 39. Has your business ownership structure change after the earthquake?

- ☐ Yes
- ☐ No

Recovery Status for Business Entity (continued, part 4)

40. What is the current business ownership structure?

- ☐ Single owner
- ☐ Partnership (multiple owners)
- ☐ Corporation or Franchise (headquarters)
- ☐ Corporation or Franchise (branch)
- ☐ Cooperative
- ☐ Publicly held
- ☐ Privately held
- ☐ Other (please specify)

41. Is this business currently a member of any of the following business associations?

- ☐ Local Chamber of Commerce
- ☐ Regional Chamber of Commerce
- ☐ Trade or Merchant Association
- ☐ Economic Development Corporation
- ☐ Other (please specify)

42. *Currently*, how many employees does the business have? [multiple text boxes]

Full time:

Part time:

Contractors:

43. Who are the customers of this business since the earthquake? Please provide approximate percentages of sales from local, regional, national, and international sources.

% Local:

% Regional:

% National:

% International:

44. Currently, what percent of your time do you and your employees spend on issues related to earthquake recovery while at work?

% of your time or other
senior
managers/employees:

% of time spent by non-
management employees:

45. Where do you feel your business is in the process of recovery?

☐

Still in survival/response mode

☐

Recovering

☐

Mostly recovered

☐

Fully recovered

☐

Still in operation but will never recover

45. Enter any comments or clarifications you may have on your answers in this section. If you have chosen to exclude any business locations or sites in this response about the business entity, please indicate what you decided not to include.

* 47. Does your business have locations outside of the earthquake impacted region?

☐

Yes

☐

No

Recovery Status of Entire Business (both inside and outside of Earthquake Impacted Region)

Please enter the following information about the entire business in its current post-earthquake state. For this section, “entire business” refers to the business as one comprehensive entity that includes all related locations, buildings, and sites in the earthquake impacted region AND outside the earthquake impacted region.

If for any reason, you choose to exclude any business locations or sites in these responses, please be consistent in their exclusion throughout the section and indicate any exclusions or caveats in the final comment box at the end of the section.

48. Please indicate the current status of the following aspects of your entire business relative to before the earthquake, including all portions of the business outside the earthquake impacted region. Select “N/A” if a particular aspect does not apply to your business.

	Decrease by 100%	Decrease by 75%	Decrease by 50%	Decrease by 25%	Decrease by 10%	No change	Increase by 10%	Increase by 25%	Increase more than 50%	Don't know	N/A
Revenue	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Costs of doing business	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Profit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Debt	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prices charged to customers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hours of operation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hours worked from home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inventory	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Product and service output	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Employee productivity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Customer demand	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Number of Employees	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

49. Enter any comments or clarifications you may have on your answers in this section. If you have chosen to exclude any business locations or sites in this response about the entire business, please indicate what you decided not to include.

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Changes to Business Locations for Business Entity

Please enter the following information about the business entity in its current post-earthquake state. Unless noted clearly otherwise, in the following questions “business” or “business entity” refers to the business as one comprehensive entity that includes all related locations, buildings, and sites in the earthquake impacted region only.

* 50. What best describes changes to the buildings that your business occupies in the earthquake impacted region since the earthquake?

- ☐ We have changed locations of our operations (at least one building location has closed or changed).
- ☐ Our building location(s) have not changed
- ☐ We have expanded to additional locations (at least one new building location has been added).
- ☐ We are sharing a location with other businesses that is owned or leased by another business.
- ☐ We are sharing a location with other businesses that our business owns or leases.

51. If the business relocated or expanded to a new location, how soon after the earthquake did the business resume at the new location?

- ☐ Within 24 hours
- ☐ 24-72 hours
- ☐ 3 days - 1 week
- ☐ 1 week - 1 month
- ☐ 1-3 months
- ☐ 3-6 months
- ☐ More than 6 months

52. Please briefly list the address of any closed building locations (along with the new replacement building location(s), if any).

Address of closed building

Address of new building (if any)

53. Please briefly list the address of any new building location(s) now occupied as a part of the expansion.

54. What best describes the space you are moving (or moved) into.

- ☐ Moving (or moved) into another building also occupied by another business (for example, sharing space with a similar type of business to facilitate continued operations).
- ☐ Moving (or moved) into another building already occupied by this business.
- ☐ Moving (or moved) into a vacant space.

Comments and clarifications:

55. Is this new building location permanent?

- ☐ Yes
- ☐ No

Factors Impacting Recovery of Business Entity

Please read the questions in this section carefully, and enter the following information about the business entity in its current post-earthquake state or in its post-earthquake state immediately following the earthquake, as indicated in the question. Unless noted clearly otherwise, in the following questions “business” or “business entity” refers to the business as one comprehensive entity that includes all related locations, buildings, and sites in the earthquake impacted region only.

56. Has your business experienced any of the following since the earthquake?

	Currently Experiencing	Not currently experiencing but have previously due to the earthquake	Did not experience
Property Damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Site access Issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utility Service Disruption	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Customer/Market Issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Workforce Issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Supplier Issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Financial Issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Business Planning Issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Relocation/Reconstruction Issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regulatory Issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you selected "Other" above, please describe:

57. If your business is currently experiencing or has experienced customer/market issues, please indicate the degree to which they are impacting or have impacted business operations (or lack of operations in cases of temporary or permanent closure). Select "N/A" if your business did not experience this type of customer/market issue after the earthquake, and "No Impact" if you are currently experiencing or have experienced this type of customer/market issue but it did not affect your business operations.

	No Impact	Minor to Moderate Impact	Major Impact	N/A
Decreased demand	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased demand	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Decreased competition	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased competition	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shipping companies disrupted	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Customers unable to access business	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you selected "Other" above, please describe:

58. If your business is currently experiencing or has experienced workforce issues, please indicate the degree to which they are impacting or have impacted business operations (or lack of operations in cases of temporary or permanent closure). Select "N/A" if your business did not experience this type of workforce issue after the earthquake, and "No Impact" if you are currently experiencing or have experienced this type of workforce issue but it did not affect your business operations.

	No Impact	Minor to Moderate Impact	Major Impact	N/A
Staff unable to work due to personal issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Owner unable to work due to personal issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing staff working offsite	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unable to hire new qualified staff	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you selected "other" above, please describe:

59. If your business is currently experiencing or has experienced supplier issues, please indicate the degree to which they are impacting or have impacted business operations (or lack of operations in cases of temporary or permanent closure). Select "N/A" if your business did not experience this type of supplier issue after the earthquake, and "No Impact" if you are currently experiencing or have experienced this type of supplier issue but it did not affect your business operations.

	No Impact	Minor to Moderate Impact	Major Impact	N/A
Supplier(s) closed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Supplier(s) unable to meet demand	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Supplier(s) change location	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unable to find new supplier(s)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transportation networks disrupted	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you selected "Other" above, please describe:

60. If your business is currently experiencing or has experienced financial issues, please indicate the degree to which they are impacting or have impacted business operations (or lack of operations in cases of temporary or permanent closure). Select "N/A" if your business did not experience this type of financial issue after the earthquake, and "No Impact" if you are currently experiencing or have experienced this type of financial issue but it did not affect your business operations.

	No Impact	Minor to Moderate Impact	Major Impact	N/A
Cash flow problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Decreased revenue	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unable to obtain credit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Insurance issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased costs of business	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you selected "Other" above, please describe:

61. If your business is currently experiencing or has experienced relocation/reconstruction issues, please indicate the degree to which they are impacting or have impacted business operations (or lack of operations in cases of temporary or permanent closure). Select "N/A" if your business did not experience this type of relocation/reconstruction issue after the earthquake, and "No Impact" if you are currently experiencing or have experienced this type of relocation/reconstruction issue but it did not affect your business operations.

	No Impact	Minor to Moderate Impact	Major Impact	N/A
Lack of suitable space	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unfavorable rental terms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Elevated demand for construction services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shortage of building materials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you selected "Other" above, please describe:

62. If your business is currently experiencing or has experienced regulatory issues, please indicate the degree to which they are impacting or have impacted business operations (or lack of operations in cases of temporary or permanent closure). Select "N/A" if your business did not experience this type of regulatory issue after the earthquake, and "No Impact" if you are currently experiencing or have experienced this type of regulatory issue but it did not affect your business operations.

	No Impact	Minor to Moderate Impact	Major Impact	N/A
Environmental	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Land use/zoning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Historic preservation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Building permits	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you selected "Other" above, please describe:

63. Did you have a business continuity plan before the earthquake? ("Business continuity plan" is a collection of procedures and information which is developed, compiled and maintained in readiness for use in the event of an emergency or disaster.)

☐ Yes

☐ No

☐ Don't Know

64. If yes, was it regularly audited to ensure that the plan was being implemented?

☐ Yes

☐ No

☐ Don't know

65. Please indicate the degree to which the business continuity plan positively impacted business recovery.

☒ No Impact

☐ Minor to Moderate Impact

☐ Major Impact

☐ N/A

Factors Impacting Recovery of Business Entity (continued, part 2)

66. Please select up to three factors that had (or continue to have) the most influence on business closure or operability following the earthquake?

- ☐ Property Damage: Structural damage
- ☐ Property Damage: Nonstructural damage
- ☐ Property Damage: Inventory damage
- ☐ Property Damage: Equipment damage
- ☐ Property Damage: Contents damage
- ☐ Property Damage: Ground surface damage
- ☐ Site Access Issues: Unsafe or restricted use placards
- ☐ Site Access Issues: Damage to neighboring buildings
- ☐ Site Access Issues: Road closures
- ☐ Site Access Issues: Located within restricted area
- ☐ Utility Service Disruption: Lack of power
- ☐ Utility Service Disruption: Lack of water
- ☐ Utility Service Disruption: Lack of gas/oil
- ☐ Utility Service Disruption: Lack of internet/IT
- ☐ Utility Service Disruption: Lack of cell phone
- ☐ Utility Service Disruption: Lack of sewer
- ☐ Customer/Market Issues: Decreased demand
- ☐ Customer/Market Issues: Increased demand
- ☐ Customer/Market Issues: Decreased competition
- ☐ Customer/Market Issues: Increased competition
- ☐ Customer/Market Issues: Shipping companies disrupted
- ☐ Customer/Market Issues: Customers unable to access business
- ☐ Workforce Issues: Staff unable to work due to personal issues
- ☐ Workforce Issues: Owner unable to work due to personal issues
- ☐ Workforce Issues: Managing staff working offsite
- ☐ Workforce Issues: Unable to hire new qualified staff

- ☐ Supplier Issues: Supplier(s) closed
- ☐ Supplier Issues: Supplier(s) unable to meet demand
- ☐ Supplier Issues: Supplier(s) change location
- ☐ Supplier Issues: Unable to hire new supplier(s)
- ☐ Supplier Issues: Transportation networks disrupted
- ☐ Financial Issues: Cash flow problems
- ☐ Financial Issues: Decreased revenue
- ☐ Financial Issues: Unable to obtain credit
- ☐ Financial Issues: Insurance issues
- ☐ Financial Issues: Increased costs of business
- ☐ Business Planning Issues: Time needed for business planning
- ☐ Business Planning Issues: Skills needed for business planning
- ☐ Business Planning Issues: Change of business model
- ☐ Relocation Issues: Lack of suitable space
- ☐ Relocation Issues: Unfavorable rental terms
- ☐ Reconstruction Issues: Elevated demand for construction services
- ☐ Regulatory Issues: Environmental
- ☐ Regulatory Issues: Land use/zoning
- ☐ Regulatory Issues: Historic preservation
- ☐ Regulatory Issues: Building permits
- ☐ N/A. The business had no operability issues

Funding and Financing for Business Entity

Please enter the following information about the business entity. Unless noted clearly otherwise, in the following questions the “business entity” refers to the business as one comprehensive entity that includes all related locations, buildings, and sites in the earthquake impacted region only

67. Did this business have any of the following types of insurance before the earthquake? (Note: NFIP stands for National Flood Insurance Program)

- ☐ Property insurance on any building structures utilized by the business (non-NFIP*)
- ☐ Earthquake insurance on any building structures utilized and contents owned by the business
- ☐ Flood insurance on any building structures utilized by the business (NFIP)
- ☐ Business property insurance on contents
- ☐ Business income interruption insurance
- ☐ Business liability insurance
- ☐ None

68. Does this business currently have any of the following types of insurance? (Note: NFIP stands for National Flood Insurance Program)

- ☐ Property insurance on any building structures utilized by the business (non-NFIP*)
- ☐ Earthquake insurance on any building structures utilized and contents owned by the business
- ☐ Flood insurance on any building structures utilized by the business (NFIP)
- ☐ Business property insurance on contents
- ☐ Business income interruption insurance
- ☐ Business liability insurance
- ☐ N/A

69. Have you made insurance claims and received any payments as a result of the earthquake? If you have no policy, enter "N/A". (Note: NFIP stands for National Flood Insurance Program)

	Made No Claim	Made Claim, Claim Was Rejected	Made Claim, Still Waiting To Hear	Made Claim, Claim was Accepted But No Payment Received	Made Claim, Received Partial Payment	Made Claim, Received Full Payment	N/A
Property insurance on the building structure (non-NFIP*)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Earthquake insurance on the building structure and contents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Flood insurance on the building structure (NFIP)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Business property insurance on contents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Business income interruption insurance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Business liability insurance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

70. Please indicate when you submitted an insurance claim, in number of days after the earthquake, for the following types of insurance (if applicable). If not applicable, enter "N/A."

Property insurance on the building structure (non-NFIP*):	<input type="text"/>
Earthquake insurance on the building structure and contents:	<input type="text"/>
Flood insurance on the building structure (NFIP):	<input type="text"/>
Business property insurance on contents:	<input type="text"/>
Business income interruption insurance:	<input type="text"/>
Business liability insurance:	<input type="text"/>

* 71. Did you seek other sources of money (including your own savings or income streams) for your business recovery?

- ☐ No
- ☐ Yes

Funding and Financing for Business Entity (continued, part 2)

72. Have you attempted to secure funds for recovery from any of the following methods?

	No	Submitted Request, Request Was Rejected	Submitted Request, Request Was Accepted But Waiting For Money	Submitted Request, Received Partial Payment	Submitted Request, Received Full Payment	N/A
Small Business Administration Loan	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Private Bank Loan	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Business Line of Credit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Friends and family	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Corporate Assistance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Local, State, or Federal Assistance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Extended Supplier Credit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you selected Other, please describe:

73. From what sources did the money for your business recovery come? Please provide the percent your business received (roughly) from each source.

% from personal savings

% from business revenue

% from business

savings/emergency

fund/surplus/cash on hand

% from credit card debts

% from insurance payouts

% from Small Business

Administration (SBA) loan

% from Bank loan(s)

% from business line of

credit

% from money from friends

or family

% from corporate

assistance

% from local, state or

federal assistance

% from extended supplier

credit

% from other

74. Please describe any sources indicated as "other" in question above.

75. For each of the sources of money identified above, please provide the number of days, after the earthquake, it took for the money to become available to you.

From personal savings

From business revenue

From business

savings/emergency

fund/surplus/cash on hand

From credit card debts

From insurance payouts

From Small Business

Administration (SBA) loan

From Bank loan(s)

From business line of
credit

From money from friends
or family

From corporate assistance

From local, state or federal
assistance

From extended supplier
credit

From other

76. Please describe any sources indicated as "other" in question above.

Baseline Information for Building #1

Please enter the following information about one building the business occupied in its pre-earthquake state. If your business occupied more than one building, please answer questions in this section for the building with the most significant earthquake impacts. You will be able to complete similar sections for other buildings in the earthquake-impacted region in follow-up sections.

77. Please enter a nickname or identifier that we can repeat later in the survey to help you remember this particular building (i.e. "Smith & Co retail on Main St," "Major Warehouse on Center Ave," or the "Doing Business As (DBA)" name, etc).

78. Please enter the primary Business function for this building (i.e. retail store, warehouse, administrative office, etc.).

79. Please enter the building address.

80. What was the ownership status of this building before the earthquake?

- ☐ Owned by business (no mortgage)
- ☐ Owned by business (with mortgage)
- ☐ Rented / Leased
- ☐ Other (please specify)

Evaluation Placard Status for Building #1

This section will ask questions about post-earthquake building evaluation placards that have been posted for the building you identified in the previous section. Building evaluation placards are posted by the deputized representatives in the city or county in which the building is located and identify if use of the building is restricted. These placards are also sometimes called post-earthquake building “tags.”

81. What is the current status of your building evaluation placard (for the building you previously identified as {{ Q76 }})?

- ☐ “Inspected” (Green)
- ☐ “Restricted Use” (Yellow)
- ☐ “Unsafe” (Red)
- ☐ It was removed
- ☐ My building never had a building evaluation placard
- ☐ Don't Know

82. If the building evaluation placard was changed or removed since the initial inspection, what reason(s) was provided for the change?

- ☐ Not applicable. The building evaluation placard was NOT changed or removed since the initial inspection.
- ☐ Structural damage repaired
- ☐ Facade damage repaired
- ☐ Water damage repaired and/or threat of electrical hazard mitigated
- ☐ Ceiling damage repaired
- ☐ Partition wall damage repaired
- ☐ HVAC damage repaired
- ☐ Content damage cleaned up
- ☐ Danger from adjacent building damage removed
- ☐ Original posting was in error
- ☐ Subsequent inspection revealed damage was not as severe as initially thought
- ☐ No Reason given on the placard
- ☐ I am not aware of the reason written on the placard
- ☐ Other (please specify)

83. If the building evaluation placard was changed or removed since the initial inspection, how long after the initial inspection was it changed?

- ☐ Not applicable. The building evaluation placard was NOT changed or removed since the initial inspection.
- ☐ Within 24 hours
- ☐ 24 - 72 hours
- ☐ 3 days - 1 week
- ☐ 1 week - 1 month
- ☐ 1 month - 3 months
- ☐ 3 months - 6 months
- ☐ 6 months - 1 year
- ☐ Greater than 1 year
- ☐ Don't know

Physical Damage to Building #1 from Earthquake

This section will ask a question about the post-earthquake damage to the building you identified in the previous section.

* 84. What types of earthquake damage occurred in this building you previously identified as “{{ Q76 }}”

- ☐ No Damage, thus no repairs needed.
- ☐ Contents/Inventory Damage only, thus no repairs needed for any building elements (building structural walls/frame, facade/windows/parapet, plumbing/water damage, ceiling, partition walls, heating/venting/air conditioning, etc.).
- ☐ Non-repairable damage to building elements (building structural walls/frame, facade/windows/parapet, plumbing/water damage, ceiling, partition walls, heating/venting/air conditioning, etc.) with or without contents/inventory damage, thus business will NOT re-occupy this building.
- ☐ Repairable Minor Damage to building elements (building structural walls/frame, facade/windows/parapet, plumbing/water damage, ceiling, partition walls, heating/venting/air conditioning, etc.) with or without contents/inventory damage.
- ☐ Repairable Moderate Damage to building elements (building structural walls/frame, facade/windows/parapet, plumbing/water damage, ceiling, partition walls, heating/venting/air conditioning, etc.) with or without contents/inventory damage.
- ☐ Repairable Extensive Damage to building elements (building structural walls/frame, facade/windows/parapet, plumbing/water damage, ceiling, partition walls, heating/venting/air conditioning, etc.) with or without contents/inventory damage.

Repair Status of Building #1

This section will ask questions about the status and type of repairs being made to the building you identified in the previous section.

85. What is the current status of repairs for the building you previously identified as “{{ Q76 }}”?

- ☐ Not started
- ☐ Started but not complete
- ☐ Complete

86. If the building repairs have not started, please indicate what is preventing them from starting.

- ☐ Can't find a contractor
- ☐ Can't find an engineer
- ☐ Design delays
- ☐ Too costly
- ☐ Can't access financing
- ☐ Insurance delays
- ☐ Permit delays
- ☐ Inspection delays
- ☐ Site access restriction
- ☐ Weather
- ☐ Aftershocks
- ☐ Red tag or building placard (i.e. it is unsafe to enter building)
- ☐ Yellow tag or building placard (i.e. it is unsafe to enter portions of the building)
- ☐ Regulatory delays
- ☐ Legal or personal dispute
- ☐ Not a priority since the damage is not preventing business functions
- ☐ Other (please specify)

Repair Status of Building #1 (continued, part 2)

87. If the building repairs have started, when did they begin? Please enter approximate date.

☐ N/A (repairs have not started)

☐ Please enter approximate date:

88. If the building repairs are complete, when were they completed?

☐ N/A (repairs have not started)

☐ Please enter approximate date:

89. If site access restrictions have hindered the ability to make repairs, what were they caused by?

☐ N/A (No site access restrictions have caused repair delays)

☐ Adjacent building damage

☐ Neighborhood is cordoned off

☐ Roads are inaccessible

☐ Hazardous materials

☐ Unsafe due to unstable ground hazards

☐ Red or yellow tag (building placard)

☐ Don't know

☐ Other (please specify)

90. The next portion of the survey will ask detailed questions on building repair costs, as well as the professionals hired to do the repairs. If you do not own the building and/or do not know the specific answers to those questions, you can skip the next section. Would you like to skip?

☐ Yes, I do not know the building repair status and its cost, therefore I would like to skip

☐ No, I am familiar with the building repair status. I would like to continue.

Repair Status of Building #1 (continued, part 3)

91. How much did it/will it cost to make building repairs (excluding content damage)? If the repairs have not started or been completed, please provide the amount shown on a contractor's bid/estimate.

- ☐ Unknown
- ☐ Please enter approximate cost in U.S. dollars

92. Was a contractor hired to make repairs?

- ☐ Yes
- ☐ No
- ☐ Don't know

93. Please answer the following questions about finding and hiring a contractor.

	Less than a week	1 week to 1 months	1 month to 3 months	3 months to 6 months	6 months to 1 year	Greater than 1 year	Not Started	Started, but not yet complete	N/A
How long after earthquake did you start searching for a contractor?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Once you started searching, how long did it take for you to find and hire a contractor?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Once the contractor was hired, how long did it take for them to begin repairs on site?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

94. Was a structural engineer hired to provide consulting services for damage repair options?

- ☐ Yes
- ☐ No
- ☐ Don't know

95. Please answer the following questions about finding and hiring a structural engineer.

	Less than a week	1 week to 1 months	1 month to 3 months	3 months to 6 months	6 months to 1 year	Greater than 1 year	Not Started	Started, but not yet complete	N/A
How long after earthquake did you start searching for a structural engineer?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Once you started searching, how long did it take for you to find and hire a structural engineer?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Once the structural engineer was hired, how long did it take for them to begin repairs on site?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

96. Is the structural engineer required to prepare calculations and/or drawings for any repairs?

- ☐ Yes
- ☐ No
- ☐ Don't know

97. Were permits required to begin repairs?

- ☐ Yes, for structural repairs only
- ☐ Yes, for non-structural repairs only (e.g architectural components, HVAC, mechanical equipment, etc)
- ☐ Yes, for BOTH structural repairs AND non-structural repairs (e.g architectural components, HVAC, mechanical equipment, etc)
- ☐ Permit not required
- ☐ Permit not submitted yet
- ☐ Don't know

98. When was the permit submitted for structural repairs?

- ☐ Don't know
- ☐ N/A
- ☐ Please enter date:

99. How long did it take after the permit for structural repairs was submitted for it to be approved?

- ☐ Over the counter
- ☐ Less than 1 week
- ☐ 1 week to 1 month
- ☐ 1 month to 3 months
- ☐ 3 months to 6 months
- ☐ 6 months to 1 year
- ☐ Still waiting
- ☐ Don't know
- ☐ N/A

100. Were the structural repairs made required to satisfy current code (i.e. upgraded relative to pre-earthquake structural conditions)?

- ☐ Yes
- ☐ No
- ☐ Don't Know
- ☐ N/A

101. If not mandatory, did you choose to voluntarily upgrade the structural system relative to pre-earthquake structural conditions?

- ☐ Yes
- ☐ No
- ☐ N/A

102. When was the permit submitted for non-structural repairs?

- ☐ Don't know
- ☐ Permit not required
- ☐ Permit not submitted yet
- ☐ Please enter date:

103. How long did it take after the permit for non-structural repairs was submitted for it to be approved?

- ☐ Over the counter
- ☐ Less than 1 week
- ☐ 1 week to 1 month
- ☐ 1 month to 3 months
- ☐ 3 months to 6 months
- ☐ 6 months to 1 year
- ☐ Still waiting
- ☐ Don't know
- ☐ N/A

Recovery Status of Business at this Building Location

This section will ask questions about the recovery status of post-earthquake business operations at the building you identified in the previous section.

104. What is the current status of business operations (compared to before the earthquake) at the building you previously identified as "{{ Q75 }}"?

- ☐ Operating at reduced capacity (e.g., fewer hours, decreased production, limited inventory or function, limited staff/employees, reduced customer base, etc.)
- ☐ Operating at normal capacity
- ☐ Operating at increased capacity (e.g., longer hours, increased production, etc.)
- ☐ Temporarily ceased operations at this building, but plan to resume operations at this building in the future.
- ☐ Permanently closed operations at this building.

105. When did business operations resume at the building you previously identified as "{{ Q75 }}"?

- ☐ Business operations have not resumed at this location.
- ☐ Did not cease operations
- ☐ Within 24 hours
- ☐ 24-72 hours
- ☐ 3 days - 1 week
- ☐ 1 week - 1 month
- ☐ 1-3 months
- ☐ 3-6 months
- ☐ More than 6 months

Factors Impacting Recovery of Business at this Building Location

This section will ask questions about various factors influencing the recovery of business operations in the building you identified in the previous section.

106. If your business permanently closed at this location, please briefly describe the reasons for business closure at the building you previously identified as “{{ Q75 }}”.

107. If your business is currently operating at reduced, normal or increased capacity at this location, please briefly describe the primary impediments which delayed resumption of business operations at the building you previously identified as “{{ Q75 }}”.

108. If your business is currently experiencing or has experienced property damage at this building location, please indicate the degree to which it is impacting or has impacted business operations (or lack of operations in cases of temporary or permanent closure). Select “N/A” if your business did not experience this type of property damage after the earthquake, and “No Impact” if you are currently experiencing or have experienced this type of property damage but it did not affect your business operations.

	No Impact	Minor to Moderate Impact	Major Impact	N/A
Structural damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nonstructural damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inventory damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Equipment damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Contents damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ground surface damage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you selected "Other" above, please describe:

109. If your business is currently experiencing or has experienced site access issues at this building location, please indicate the degree to which they are impacting or have impacted business operations (or lack of operations in cases of temporary or permanent closure). Select "N/A" if your business did not experience this type of site access issue after the earthquake, and "No Impact" if you are currently experiencing or have experienced this type of site access issue but it did not affect your business operations.

	No Impact	Minor to Moderate Impact	Major Impact	N/A
Unsafe or restricted use placards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Damage to neighboring buildings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Road closures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Located within restricted area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you selected "Other" above, please describe:

110. If your business is currently experiencing or has experienced utility service disruption at this building location, please indicate the degree to which it is impacting or has impacted business operations (or lack of operations in cases of temporary or permanent closure). Select "N/A" if your business did not experience this type of utility service disruption after the earthquake, and "No Impact" if you are currently experiencing or have experienced this type of utility service disruption but it did not affect your business operations.

	No Impact	Minor to Moderate Impact	Major Impact	N/A
Lack of power	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of gas/oil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of internet/IT	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of cell phone	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of sewer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you selected "Other" above, please describe:

111. How long after the earthquake were the following utilities restored at the building location?

	Not disrupted	Not yet restored	Less than 24 hours	24 to 72 hours	3 days to 1 week	1 week to 1 month	1 month to 3 months	3 months to 6 months	6 months to 1 year	Greater than 1 year
Electricity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Natural gas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internet/IT	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cell phone	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Landline Phone	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sewer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>