

APPENDIX A: CEUS Survey Instrument

CEC-200-2023-017-APA

CALIFORNIA COMMERCIAL END-USE SURVEY

Survey-Site ID Number

Blue Text: Protocols section number

1 SURVEY-SITE & SITE-CONTACT INFORMATION

Table 1 – Survey-Site & Site Contact Information (Section 5.1.1.3)

Validate pre-populated contact information and enter new or additional contact information if available.

Business Name:	_____	
Alternate Business Name:	_____	
Street Number/Name Address:	_____	_____
Suite #	_____	
City:	_____ ,	
Zip Code:	_____ - _____	
What language is required to schedule appointment or conduct survey? English / Spanish / Tagalog (Philippines) / Chinese / Korean / Vietnamese / Other _____		
Survey Completion Status. Provide reason from dropdown list:		
Answer Options	Messages	
Everything OK	After completing survey, then submit.	
Follow Up	Stop survey, fill out Contact Log, then submit.	
Survey-Site no longer in business	Stop survey, fill out Contact Log, then submit.	
Different business occupies this survey-site	Stop survey, fill out Contact Log, then submit.	
Contact refuses to participate in survey	Stop survey, fill out Contact Log, then submit.	
Busy come back later (say when in Notes)	Stop survey, fill out Contact Log, then submit.	
Made contact – status pending (add details in Notes)	Stop survey, fill out Contact Log, then submit.	
Not a Commercial business- Manufacturing	Stop survey and submit it now.	
Not a Commercial business - Industrial	Stop survey and submit it now.	
Not a Commercial business - Agricultural	Stop survey and submit it now.	
Not a Commercial business - Residential	Stop survey and submit it now.	
Not a Commercial business - Transportation	Stop survey and submit it now.	
Not a Commercial site - Does Not Qualify	Stop survey and submit it now.	
Combined with another Survey-Site	Enter Site ID this site is being combined with, then submit survey. _____	
Unknown language spoken on-site	Stop survey, fill out Contact Log, then submit.	
Primary Contact Name:	_____	
Primary Contact Title:	_____	
Primary Contact Phone #:	_____ - _____ - _____ ext. _____	
Primary Contact Email	_____	
Does this contact report to this location? Yes/No		

Table 1 – Site Contact Information (Continued)

Secondary Contact Name:	_____
Secondary Contact Title:	_____
Secondary Contact Phone:	____ - ____ - _____ ext. ____
Secondary Contact Email:	_____
Does this contact report to this location? Yes/No	
Tertiary Contact Name:	_____
Tertiary Contact Title:	_____
Tertiary Contact Phone:	____ - ____ - _____ ext. ____
Tertiary Contact Email:	_____
Does this contact report to this location? Yes/No	
Notes:	

Table 2 – Survey-Site / Contact Log (Section 5.1.2.1)

Answer Options	
Busy come back later	
Call Center follow up	
Complete	
Do not call (DNC)	
No contact	
Refused at this time	
Site no longer in business/Moved Locations	
<u>Surveyor</u> follow up	
Additional information added	
Other	
Notes:	

2 INTERVIEW

Table 3 Activity Type- 2017 NAICS 2 Digits Code and Description (Section 5.1.3.1)

Select from the following main categories the one that best describes the primary business function at this survey-site, then select the next best category level. Second and third level categories are provided in appendix.

NAICS 2-Digit	NAICS Level 1 followed by Short Description of Activities Enter NAICS Code _____
11	Agriculture, Forestry, Fishing and Hunting Support Activities for Crop Production
42	Wholesale Trade Selling or arranging for the purchase or sale of goods for resale, durable non-consumer goods, raw and intermediate materials and supplies used in production, and services incidental to sale.
44-45	Retail Trade Retailing merchandise (generally in small quantities) to the general public and providing services incidental to the sale of the merchandise
49	Warehousing Primarily engaged in operating warehousing and storage facilities for general merchandise, refrigerated goods, and other warehouse products. Storage of goods; not selling of goods.
51	Information Distributing information and cultural products, providing the means to transmit or distribute these products as data or communications, and processing data.
52	Finance and Insurance Involvement in facilitating the creation, liquidation, or change in ownership of financial assets.
53	Real Estate and Rental and Leasing Renting, leasing, or allowing the use of tangible or intangible assets, and related services.
54	Professional, Scientific, and Technical Services Performing professional, scientific, and technical services for the operations of other organizations.
55	Management of Companies and Enterprises Enterprises for influencing decisions, administering, overseeing, or managing companies.
56	Administrative, Support, Waste Management, and Remediation Services Performing routine support activities for the day-to-day operations of other organizations.
61	Educational Services Providing instruction and training in a wide variety of subjects.
62	Health Care and Social Assistance Providing health care and social assistance for individuals.
71	Arts, Entertainment, and Recreation Operating or providing services to meet varied cultural, entertainment, and recreational interests of their patrons.
72	Accommodation and Food Services Providing customers with lodging and/or preparing meals/beverages for immediate consumption.
81	Other Services (except Public Administration) Providing services not elsewhere specified, including repairs, religious activities, grant making, advocacy, laundry, personal care, death care, and other personal services.
92	Public Administration Administration, management, and oversight of public programs by Federal, State, and local Govt.

Table 4 – Is this a Unique Business? (Section 5.1.3.2)

Provide a brief description about the **business activity or energy use uniqueness of the business**. What makes this survey-site unique from other businesses of this type? For example, a take-n-bake pizza shop which does not have ovens to cook the pizzas. Also consider the type of work and/or primary product/service. This is the opportunity to provide information that could help substantiate the NAICS code for the business. Include keywords that describe the business. Please enter text below:

Table 5 – 2017 NAICS Code (Section 5.1.3.3)

There are multiple NAICS descriptions on file for this survey-site. Review the following NAICS descriptions and select the best one for this survey-site.

Source	NAICS Code /Description	Best?
Utility Database	448140 – “Family Clothing Stores”	
Sample Frame	448140 – “Family Clothing Stores”	
ADM Pre-On-Site Interview / Research	448120 – “Women’s Clothing Stores”	
Surveyor (You)	448150 – “Clothing Accessories Stores”	
Customer supplied NAICS code		

Table 6 – Survey-Site Building-Type (Section 5.1.3.5)

What Building Type best describes the survey-site building(s)? <i>Select from the 14 options listed below. If more than one type, order from highest percent of floor space and down to the lowest.</i>	<i>Building Type</i>	<i>Percent of Site Area</i>
	1.	
	2.	
	3.	
Physical Type Provide a short description about the type or portion of building(s) that make up the survey-site.	1 = 1 building, single footprint, single-story (Stand-alone building)	
	2 = 1 building, single footprint with multiple floors (Stand-alone building)	
	3 = Part of a single-story building (Tenant in a space or suite)	
	4 = Part of a multi-story building (Tenant in a space or suite)	
	5 = 1 building w/multiple footprints (multiple floors, high rise, large <u>base</u> or small top)	
	6 = Small multi-building cluster (all buildings surveyed)	
	7 = Campus (multi-building, subsampled buildings)	
	8 = Other _____	

Building Type:

College: COLL	Office, Large: OFFL	Warehouse: WHSE
Food Stores: FOOD	Office, Small: OFFS	Refrigerated: WHSR (See Section 5.1.3.5)
Health Care: HEAL	Restaurant: REST	Manufacturing: MANU (for 2 or 3 only)
Lodging: LODG	Retail: RETL	Non-Commercial: NONC (for 2 or 3 only)
Miscellaneous: MISC	School: SCHL	

Table 7- Leased Tenants, Number of Employees & Operational Characteristics (Section 5.1.3.10)

Please collect the following information by interviewing persons that are knowledgeable on the specific topics and qualified to provide responses. For multiple tenant survey-sites sample at least 3 and up to 10 tenants and get employee counts. For typical employment, occupancy, and enrollment, please use running average values for the last 12 months. Peak employment is the max employment within the last 12 months.

Are there any other tenants with a leased business space at this survey-site?					<input type="checkbox"/> Yes / <input type="checkbox"/> No		
Business Name	Leased * Square Feet	Typical # of Employees			Peak # of Employees		
		Full	Half	Quarter	Full	Half	Quarter
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
All survey-sites: What % of the usable floor space is currently vacant, empty, or not used?							
All survey-sites: What % of employees use electronic office equipment on a regular basis?							
Lodging: Total number of unusable rooms/residential units							
Lodging: Average number of meals							
Restaurants: Average number of meals served per day							
Restaurants: Units (meals, transactions, customers, donuts, items, gallons, lbs., Oz.)							
Hospital/Health: Number of beds in hospital							
Hospital/Health: Average % of beds occupied							
Education: Average number of enrolled students (Average daily attendance)							

*If single business then Square Feet not needed in this table, just fill in employee columns.

Table 8 – Survey-Site – Vintage & Number of Buildings (Section 5.1.3.28)

How many buildings are part of this survey-site?		
What year was the majority of the survey-site built?	<input type="checkbox"/> Est.	<input type="checkbox"/> Can't determine
What year was the primary business established at this survey-site?	<input type="checkbox"/> Est.	<input type="checkbox"/> Can't determine

Table 9 – LED Lighting (Section 5.1.3.35)

Question	Percent	Can't Determine
What percent of the interior lighting is LED?		
What percent of the exterior lighting is LED?		

Table 10 – Electric Vehicle Charging (Section 5.1.3.39)

Please list how many electric vehicles can be charged from the electric meter(s) servicing this survey-site at the same time for the charger types listed. A Level 3 charger can also be referred as **CHAdEMO (CHARge de Move)**. Select the Access Type (**Public, Employee only, or Company Vehicles**). Write the electric meter number used by the charger(s). Is this a dedicated electric meter for the charger(s)?

Are there Electric Vehicle (EV) chargers powered by a survey-site electric meter?				<input type="checkbox"/> Yes / <input type="checkbox"/> No
Charger Type	Quantity	Access Type (select all that apply)	Electric Meter Number	Dedicated Meter (Yes/No)
Level 1 (120 volt)		<input type="checkbox"/> Public <input type="checkbox"/> Employee <input type="checkbox"/> Fleet		
Level 2 (240 volt)		<input type="checkbox"/> Public <input type="checkbox"/> Employee <input type="checkbox"/> Fleet		
Level 3 (DC fast)		<input type="checkbox"/> Public <input type="checkbox"/> Employee <input type="checkbox"/> Fleet		
Can't Determine		<input type="checkbox"/> Public <input type="checkbox"/> Employee <input type="checkbox"/> Fleet		

Table 11 – Major Renovations (Section 5.1.4.1)

Please list any significant renovations and state the percentage of specified equipment or structural components that were modified or replaced during the renovations.

Have there been any major renovations at this survey-site since 1978?				<input type="checkbox"/> Yes / <input type="checkbox"/> No
Type	Year	Percent of Floor Area (%)	Description	
1.				
2.				
3.				
4.				
5.				

Type Selection:	HVAC, Lighting-Interior, Lighting-Exterior, Equipment, Building Envelope, Water Heater, Solar PV
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Table 12 – Major Additions (Section 5.1.5.1)

Please list any significant additions and state the square footage of space added.

Have there been any major addition at this survey-site since 1978?			<input type="checkbox"/> Yes / <input type="checkbox"/> No
Year	Square Footage	Description	
1.			
2.			
3.			

Table 13 – Seasons (Section 5.1.6.1)

If the business has a distinct seasonality in occupancy or operation (like schools, some retail with extended holiday hours, tourism or wedding season, harvest season for certain warehouses, etc.) please define seasons and start and end dates. **Note: full capacity = highest season.** If not seasonal, the table is filled out to “All-Year” and starts Jan 1; ends Dec 31.

How many Holidays or Shutdown days does the survey-site have in a typical year?				
Does this survey-site’s occupancy vary seasonally?				<input type="checkbox"/> Yes / <input type="checkbox"/> No
Season #	Season Name	Season Start Date	Season End Date	% of Typical Full Capacity
1				
2				
3				

Table 14 – Primary and Seasonal Operating Schedule (Section 5.1.6.9)

Complete a schedule for each season. Check the day(s) of the week applicable for each day type. For each day type either enter the opening and closing hours, check if it is open 24 hours, or closed all day, but enter one and only one of these options.

Season Name: _____	Standard Day	Non-Standard Day 1	Non-Standard Day 2
	<input type="checkbox"/> Monday	<input type="checkbox"/> Monday	<input type="checkbox"/> Monday
	<input type="checkbox"/> Tuesday	<input type="checkbox"/> Tuesday	<input type="checkbox"/> Tuesday
	<input type="checkbox"/> Wednesday	<input type="checkbox"/> Wednesday	<input type="checkbox"/> Wednesday
	<input type="checkbox"/> Thursday	<input type="checkbox"/> Thursday	<input type="checkbox"/> Thursday
	<input type="checkbox"/> Friday	<input type="checkbox"/> Friday	<input type="checkbox"/> Friday
	<input type="checkbox"/> Saturday	<input type="checkbox"/> Saturday	<input type="checkbox"/> Saturday
	<input type="checkbox"/> Sunday	<input type="checkbox"/> Sunday	<input type="checkbox"/> Sunday
Opening Hour	_____	_____	_____
Closing Hour	_____	_____	_____
Open 24hr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Closed all day	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Season Name: _____	Standard Day	Non-Standard Day 1	Non-Standard Day 2
	<input type="checkbox"/> Monday	<input type="checkbox"/> Monday	<input type="checkbox"/> Monday
	<input type="checkbox"/> Tuesday	<input type="checkbox"/> Tuesday	<input type="checkbox"/> Tuesday
	<input type="checkbox"/> Wednesday	<input type="checkbox"/> Wednesday	<input type="checkbox"/> Wednesday
	<input type="checkbox"/> Thursday	<input type="checkbox"/> Thursday	<input type="checkbox"/> Thursday
	<input type="checkbox"/> Friday	<input type="checkbox"/> Friday	<input type="checkbox"/> Friday
	<input type="checkbox"/> Saturday	<input type="checkbox"/> Saturday	<input type="checkbox"/> Saturday
	<input type="checkbox"/> Sunday	<input type="checkbox"/> Sunday	<input type="checkbox"/> Sunday
Opening Hour	_____	_____	_____
Closing Hour	_____	_____	_____
Open 24hr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Closed all day	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3 UTILITIES / METERS

The information on this page and the correlation between accounts and meters is determined prior to the survey-site visit through the analysis of the utility billing frame. Please verify the pre-populated information below and note any discrepancies. If meters are shared with other survey-sites, please indicate the % of energy usage attributable to this survey-site.

Table 15 – Utilities (Section 5.1.7.1)

Electric Utility Provider	SDG&E	PG&E	SCE	SMUD	LADWP	Other _____
Natural Gas Provider	SDG&E	PG&E	SoCalGas	SWGAs	None	Other _____

Table 16 – Electric Accounts and Meters (Section 5.1.8.1)

Identify shared equipment (SE) as SE1-Electric Chiller, SE2-Electricity, SE3-Electric Vehicle, SE4-Other

Item#	Meter Number:	Account Number:	Meter Status Code	Shared
E1	_____	_____	V A D NI OT	SH ___% SE_
E2	_____	_____	V A D NI OT	SH ___% SE_
E3	_____	_____	V A D NI OT	SH ___% SE_
E4	_____	_____	V A D NI OT	SH ___% SE_
E5	_____	_____	V A D NI OT	SH ___% SE_
E6	_____	_____	V A D NI OT	SH ___% SE_
E7	_____	_____	V A D NI OT	SH ___% SE_
E8	_____	_____	V A D NI OT	SH ___% SE_
E9	_____	_____	V A D NI OT	SH ___% SE_
E10	_____	_____	V A D NI OT	SH ___% SE_

Meter Status Codes for Electricity and Gas Accounts/Meters

V	Verified: The listed Meter is verified.	NI	Meter not verified, Inaccessible.
A	Add this meter: Not listed on the Customer Contact sheet.	OT	Other situation: Describe in General Comments located on page 17.
D	Delete this meter: Does not exist or does not service the survey-site.	SH	Shared with other survey-sites – please also enter % of usage that is attributable to <u>this</u> survey-site, based on interviewing a knowledgeable person that represents the survey-site. Also answer the follow up question about what type of equipment operation is being shared.
		SE	Shared Equipment type as noted in line above meter table.

Table 17 – Natural Gas Accounts and Meters (Section 5.1.8.8)

Identify shared equipment (SE) as SE1-Gas Absorption Chiller, SE2-Boiler (hot water), SE3-Boiler (steam), SE4-Gas, SE5-Other

Item#	Meter Number:	Account Number:	Meter Status Code	Shared
G1	_____	_____	V A D NI OT	SH ___% SE_
G2	_____	_____	V A D NI OT	SH ___% SE_
G3	_____	_____	V A D NI OT	SH ___% SE_
G4	_____	_____	V A D NI OT	SH ___% SE_
G5	_____	_____	V A D NI OT	SH ___% SE_
G6	_____	_____	V A D NI OT	SH ___% SE_
G7	_____	_____	V A D NI OT	SH ___% SE_

4 OTHER ENERGY /SERVICE ACCOUNTS

(If bills are available, take clear photographs of each page on each bill)

Table 18 – Other Energy Service Data Block (Section 5.1.9.1)

Does this survey-site have any Other Energy Service Accounts?					<input type="checkbox"/> Yes / <input type="checkbox"/> No	
Item #	Fuel Type	Bills Available?	Meter/Account//Identification Number:	Annual Usage	Units*	
O1		Y N	_____			
O2		Y N	_____			
O3		Y N	_____			
O4		Y N	_____			
O5		Y N	_____			

* Units of usage should be whatever appears on the bill for example: therms, ft³, gallons, etc.

Fuel Type options:

Bottled Gas, LPG, Propane	Biogas/Biofuel
Chilled Water	Leased Community Solar
Steam	Other: [Enter Description]
Hot Water	

Table 19 – On-Site Generation & Storage Data Block (Section 5.1.10.1)

Do not include emergency/backup generator.

Does this survey-site have any On-Site Power Generation or Energy Storage				<input type="checkbox"/> Yes / <input type="checkbox"/> No		
Item #	1	2	3			
On-Site Generation Type						
What is the plant generation capacity? (kW)						
Annual Full Load Hours						
CHP Thermal Energy Usage						
CHP Thermal Usage if "other" above	For each generator, the user will select from this menu: Domestic Hot Water, Space Heating, Industrial Process, Other					
What percent of generated electricity is sold back to the utility?	%	%	%			
Is there electric battery storage for excess power?	<input type="checkbox"/> Yes / <input type="checkbox"/> No	<input type="checkbox"/> Yes / <input type="checkbox"/> No	<input type="checkbox"/> Yes / <input type="checkbox"/> No			

On-Site Generation Type options:

Back Pressure Turbine	Gas Turbine	Micro-turbine
Combined Cycle	Internal Combustion Engine	Solar Array, Photovoltaic Panel
Solar Hot Water	Thermal Energy Storage	Wind
Waste Heat Recovery		Other

4.1 SURVEY AREA DETERMINATION

This section asks flowchart (Section 4.4.1) questions to determine the area to be surveyed. Verify (or attempt to verify) the utility meter(s) for the survey-site. Compare the pre-populated meter numbers with the meters you have found at the survey-site. Select the dropdown option answer from the following tables that best describes the meter identification. Follow the instructions in the displayed message.

Can meters be verified... (Section 5.1.11.1)

Answer Options	Messages
Yes	Good! Continue to next question.
No	Proceed with caution! Go to "Utility Customer is..." (below)

Meters found and...

Answer Options	Messages
None of the meters match the meters listed in the Tool.	Call ADM for guidance.
Site's meters exclude meter(s) in the Tool.	Change Status Code for meter to 'Delete this Meter'.
Found additional meters that serve more than 5% of the survey-site.	Add this Meter and change Status Code for meter to 'Add this Meter'.
Meters exactly match meters in the Tool.	Excellent! Continue with survey area determination.

Utility Customer is...

Answer Options	Goes to Level Option
a property manager.	Property Manager meter(s)... [table below]
an owner-occupied business.	Business meter(s)... [table below]

Property Manager meter(s)...

Answer Options	Messages
are only for property manager and common area.	Survey only property management space and common area.
are serving one to three businesses at a contiguous location.	Survey all businesses.
are serving more than three business at a contiguous location.	Survey a sample of tenant businesses.

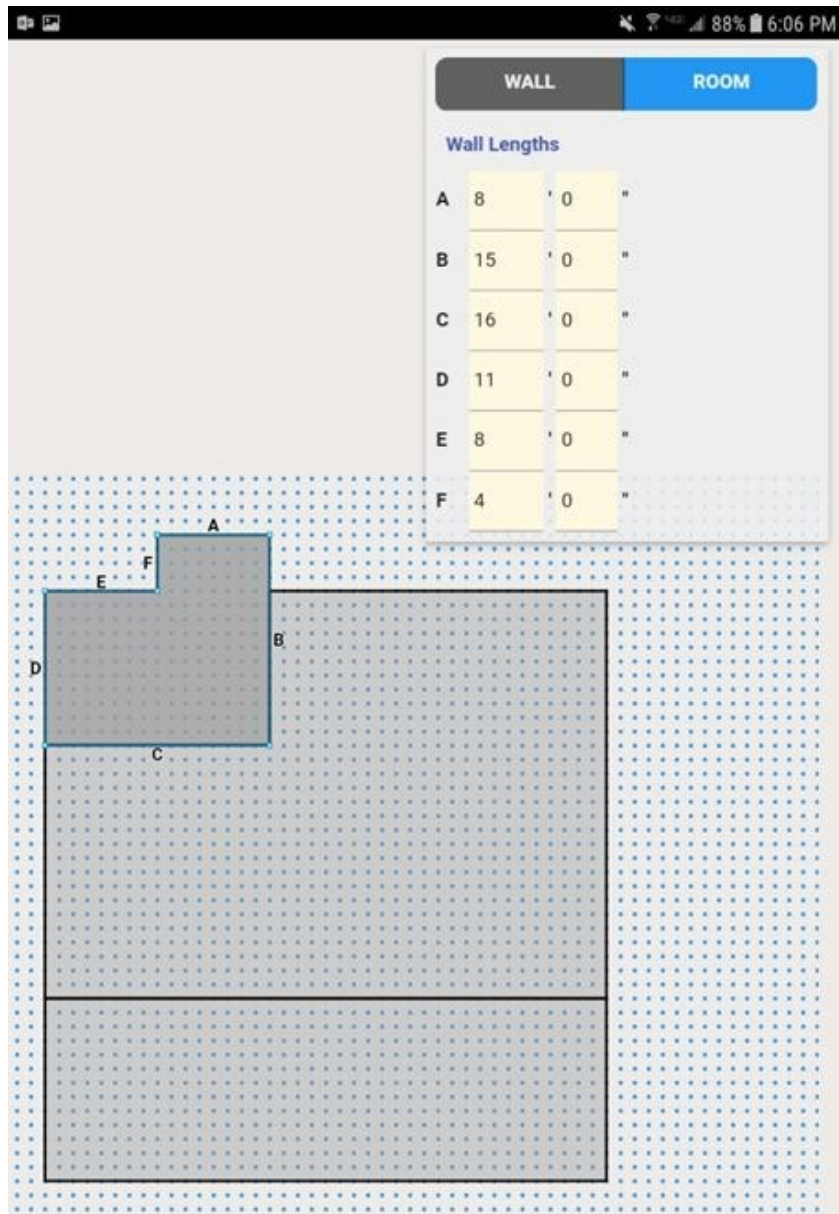
Business meters(s)...

Answer Options	Messages
Serve part of one building.	Survey the portion of the building that the business occupies.
serve one building.	Survey entire building.
serve multiple buildings at a contiguous location.	Survey all buildings.
serve a campus of buildings at a contiguous location.	Survey a sample of buildings on the campus.

5 DRAWING

Table 20 – Survey-Site/Building Footprint Shapes (Section 5.1.12.1)

The user will draw the building footprint on the CEUS Tool. Then the user will divide the building into heating and cooling fuel type partitions. This sketch is used to calculate total floor area for each floor (the CEUS Tool can accommodate multiple floors) and to break HVAC fuel type partitions. So, we stress that this is not a physical floor plan, but rather a means to parcel out the total floor area into fuel partitions where complicated footprints can be substituted with rectangles. Refrigerated warehouse space for frozen and refrigerated spaces will be drawn.



Title of drawing	
Number of Floors	
Drawing Total Area	
Include in Total Area	

6 SQUARE FOOTAGE

Table 21 – Survey-Site Area in Square Feet – Best Method (Section 5.1.13.1)

Exterior Wall Thickness in inches	
Provide the best source that you have discovered for determination of the total floor space – excluding parking garages - and whether the area represents a measurement from the outside (exterior), inside (interior), or if this is not known. Floor plans are best for larger spaces, measurements for smaller spaces. Satellite view can be OK for large and single-story buildings, but an interview might be better than satellite for irregularly shaped and multi-story facilities.	1. Floor Plans – Interior
	2. Floor Plans – Exterior
	3. Floor Plans – Can’t determine if interior or exterior
	4. Property Management leasing space records
	5. On-site distance measurement - Interior
	6. On-site distance measurement - Exterior
	7. Satellite/Aerial (using web-based measurement tool)
	8. Interviewed survey-site contact – Interior
	9. Interviewed survey-site contact – Exterior
	10. Interviewed survey-site contact – Can’t determine if interior or exterior
Survey-site sq ft (excluding parking garage) determined from this method:	_____sq ft

Table 22 – Survey-Site Area in Square Feet – Second Best Method (Section 5.1.13.4)

Provide the second-best source that you have discovered for determination of the total floor space – excluding parking garages - and whether the area represents a measurement from the outside (exterior), inside (interior), or if this is not known. Floor plans are best for larger spaces, measurements for smaller spaces. Satellite view can be OK for large and single-story buildings, but an interview might be better than satellite for irregularly shaped and multi-story facilities.	1. Floor Plans – Interior
	2. Floor Plans – Exterior
	3. Floor Plans – Can’t determine if interior or exterior
	4. Property Management leasing space records
	5. On-site distance measurement - Interior
	6. On-site distance measurement - Exterior
	7. Satellite/Aerial (using web-based measurement tool)
	8. Interviewed survey-site contact – Interior
	9. Interviewed survey-site contact – Exterior
	10. Interviewed survey-site contact – Can’t determine if interior or exterior
	11. I know that this information is not available or cannot be determined
Survey-site sq ft (excluding parking garage) determined from this method:	_____sq ft

Table 23 – Survey-Site Unconditioned Space in Square Feet – Best Method (Section 5.1.13.6)

Does the Survey-Site have Unconditioned Space?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
Provide the best source that you have discovered for determination of the total unconditioned floor square footage (that is, floor space that is not heated or cooled – excluding parking garages), and whether the area represents a measurement from the outside (exterior), inside (interior), or if this is not known.	1. Floor Plans – Interior
	2. Floor Plans – Exterior
	3. Floor Plans – Can't determine if interior or exterior
	4. Property Management leasing space records
	5. On-site distance measurement - Interior
	6. On-site distance measurement - Exterior
	7. Satellite/Aerial (using web-based measurement tool)
	8. Interviewed survey-site contact – Interior
	9. Interviewed survey-site contact – Exterior
	10. Interviewed survey-site contact – Can't determine if interior or exterior
	11. Interviewed site contact – No unconditioned space on site
Now please enter the sq ft that you determined from this method:	_____sq ft

Table 24 – Survey-Site Unconditioned Space in Square Feet –Second-Best Method (Section 5.1.13.9)

Provide the second-best source that you have discovered for determination of the total unconditioned floor square footage (that is, floor space that is not heated or cooled – excluding parking garages), and whether the area represents a measurement from the outside (exterior), inside (interior), or if this is not known.	1. Floor Plans – Interior
	2. Floor Plans – Exterior
	3. Floor Plans – Can't determine if interior or exterior
	4. Property Management leasing space records
	5. On-site distance measurement - Interior
	6. On-site distance measurement - Exterior
	7. Satellite/Aerial (using web-based measurement tool)
	8. Interviewed survey-site contact – Interior
	9. Interviewed survey-site contact – Exterior
	10. Interviewed survey-site contact – Can't determine if interior or exterior
	11. I know that this information is not available or cannot be determined
Now please enter the sq ft that you determined from this method:	_____sq ft

Table 25 – Parking Garage (Section 5.1.13.11)

Does the Survey-Site have parking garages?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
If the survey-site has a Parking Garage, what is the Total Garage Floor Area in square feet?	

7 END USE BY PARTITION

7.1 FUEL PARTITION CHARACTERIZATION BLOCK (SECTION 5.1.14.1)

The CEUS Tool™ cycles through each contiguous space (partition) drawn in the floor-space plan above and shows the heating, cooling, ventilation, and refrigerated warehouse questions below. For each space, a partition area is identified and automatically generated by the software. Provide answers to all column, except in the CEUS Tool™ the refrigeration level question is only displayed for warehouses.

Table 26 – Heating and Cooling Fuel Saturations, Ventilation, and Refrigeration Level by Partition

Partition	Is this area outside?	Square Footage of Partitioned area *	% of Survey-Site Area *	Primary Heating Fuel Type	Primary Cooling Fuel Type	Mechanical Ventilation / Exhaust?	Refrigeration Level for Refrigerated Warehouse	Info Source	
								Heat	Cool
1	Yes/No					Yes/No	Frozen/Refrig/None		
2	Yes/No					Yes/No	Frozen/Refrig/None		
3	Yes/No					Yes/No	Frozen/Refrig/None		
4	Yes/No					Yes/No	Frozen/Refrig/None		
5	Yes/No					Yes/No	Frozen/Refrig/None		
6	Yes/No					Yes/No	Frozen/Refrig/None		

*: Partitioned areas are calculated automatically by the CEUS Tool and prepopulated.

Heating Fuel type options:

Natural Gas	Electricity
Propane or Other	Purchased Steam or Hot Water
Can't determine	None

Cooling Fuel type options:

Natural Gas	Electricity
Purchased/Shared Chiller Water	None
Can't determine	

Information Source: 1. Saw Heating/Cooling equipment and verified 2. Verbal from Customer
 3. Assumed from monthly billing data 4. Best Estimate 5. Other

7.2 END-USE FUEL SATURATIONS – WHOLE SURVEY-SITE (SECTION 5.1.15.1)

Table 27 – HVAC Types (Section 5.1.15.1)

<p>Heating (Section 5.1.15.1)</p> <p>Select the Primary Heating System Type:</p> <p> <input type="checkbox"/> Boiler/Hydronic <input type="checkbox"/> Package System/Heat Pump <input type="checkbox"/> Split System/Heat Pump <input type="checkbox"/> Ductless Mini-Split Heat Pump <input type="checkbox"/> Room Heating <input type="checkbox"/> Gas Pack <input type="checkbox"/> Other _____ <input type="checkbox"/> None <input type="checkbox"/> Can't determine </p>		
<p>Cooling (Section 5.1.15.2)</p> <p>Select the Primary Cooling System Type:</p> <p> <input type="checkbox"/> Central Plant <input type="checkbox"/> Ductless Mini-Split Heat Pump <input type="checkbox"/> None <input type="checkbox"/> Packaged System <input type="checkbox"/> Room Cooling <input type="checkbox"/> Other _____ <input type="checkbox"/> Split System <input type="checkbox"/> Swamp / Evaporative Cooler <input type="checkbox"/> Can't determine </p>		
<p>Ventilation (Section 5.1.15.3)</p> <p>If the survey-site has a Central Plant, then select the Air Distribution System:</p> <p> <input type="checkbox"/> Dual Duct Variable Air Volume <input type="checkbox"/> Single Duct Constant Air Volume <input type="checkbox"/> Dual Duct Constant Air Volume <input type="checkbox"/> Fan Coil /Unit Ventilator <input type="checkbox"/> Single Duct Variable Air Volume <input type="checkbox"/> Other _____ </p>		

Table 28 – Domestic Water Heating (Section 5.1.15.4)

Is there hot water available at the survey-site?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
What percent of survey-site has access to hot water?	
• Percent of domestic hot water heated by gas:	%
• Percent of domestic hot water heated by electricity:	%
• Percent of domestic hot water heated by solar:	%
• Percent of domestic hot water heated by propane or other source:	%
• Percent of domestic hot water heated by purchased/shared hot water:	%
What percent of domestic hot water is heated by heat recovery (e.g., CHP):	%
<p>Information Source: <input type="checkbox"/> 1. Saw water heating equipment and verified <input type="checkbox"/> 2. Verbal from survey-site contact <input type="checkbox"/> 3. Assumed from monthly billing data <input type="checkbox"/> 4. Best estimate <input type="checkbox"/> 5. Other _____</p>	

Table 29 – Office Equipment (Section 5.1.15.13)

Is there any office equipment* present at the survey-site?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
*Office equipment includes: Computer (any type), printer (any type), tablet, copier, monitor, uninterruptable power supply, telephone system, FAX machine, cash register, shredder.	

Table 30 – Web/IT Servers (Section 5.1.15.14)

Are there any web / IT server racks present at the survey-site?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
If yes, what is square footage of server space?	

Table 31 – Exterior Lighting (Section 5.1.15.16)

Are there any exterior lights at the survey-site fed by the meter(s)?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
Are there any minor ¹ exterior lights, at the survey-site fed by the meter(s)?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
Are there any major ² exterior lights, such as a parking lot lights, at the survey-site fed by the meter(s)?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
¹ – Minor exterior lighting refers to entryway and lights install on exterior walls or overhangs for security and/or aesthetic purposes ² – Major exterior lighting refers to 10 or more pole mounted fixtures (a pole can have more than one fixture), canopy lighting in gas stations or lights in parking garages	

Table 32 – Cooking (Section 5.1.15.19)

Is there any minor cooking equipment present at the survey-site?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
<i>Note: Minor cooking equipment includes: residential ovens or stove-tops, microwaves, coffee maker, etc. (for example: appliances in break rooms)</i>	
Percent of minor cooking provided by gas :	%
Is there any major cooking equipment present at the survey-site?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
<i>Note: Major cooking equipment include: ovens, ranges, broilers, fryers, etc. for mass food service (restaurant/school/hotel/hospital)</i>	
If No, to major cooking equipment, then go to next page/table.	
For non-restaurant survey-sites, with restaurants or cafeterias, what is the total square footage of the Kitchen and Dining floor areas?	
Is all the Commercial Grade Cooking Equipment Electric?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
If No, to all electric cooking equipment, then complete the rest of the page, otherwise go to next page/table. Enter percent of fuels listed below, must add to 100%:	
• Percent of major cooking provided by electricity :	%
• Percent of major cooking provided by gas :	%
• Percent of major cooking provided by propane or other :	%
Commercial Cooking Equipment Inventory by Fuel Type (The CEUS Tool™ will calculate an estimate of percent of fuel use by fuel type based on the quantity of items entered into this table)	

Cooking Equipment Type	Quantity Electric	Quantity Gas	Quantity Other Fuel
BBQ			
Broiler			
Charbroiler			
Coffee Maker			
Dishwasher			
Fryer			
Griddle / Grill			
Hot Food Table / Hot Plates / Food Warmer			
Microwave			
Mixer			
Oven			
Range / Cooktop			
Rotisserie			
Soup Pots / Kettle			
Steamer			
Toaster			
Other major equipment			

Table 33 – Refrigeration (Section 5.1.15.28)

Is there any residential refrigeration equipment present at the survey-site?					<input type="checkbox"/> Yes / <input type="checkbox"/> No
Is there any commercial refrigeration equipment present at the survey-site?					<input type="checkbox"/> Yes / <input type="checkbox"/> No
<i>If Yes, mark the types and levels of refrigeration present at the survey-site in the two rows below.</i>					
System Types	Walk-In Refrigeration	Walk-In Freezer	Residential Refrigerator	Non-Residential Refrigerated units	Freezer units
Central / Remote Compressors	<input type="checkbox"/>	<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>
Self-contained	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How much floor space (in sq ft) is refrigerated storage?					
<p><i>Note: Do not ask about the floor space for refrigerated warehouses, restaurants, and food stores. This question is geared to other non-conventional uses of refrigeration such as a laboratory that keeps frozen samples, a morgue at the police station, a floral nursery that keeps flowers cold (but something larger than just typical display cases at the local florist), cold storage of blood at a blood center, etc. Measure the area of all the cold storage and enter the value in square feet.</i></p>					

Table 34 – Air Compressors (Section 5.1.15.32)

Are there any air compressors present at the survey-site?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
---	--

Table 35 – Motors (Section 5.1.15.33)

Are there any motors, of the type in the table below, larger than 6" in diameter, excluding refrigeration, and HVAC, Air Compressors and Cooking, present at the survey-site?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
<p><i>Note: Any equipment with motors smaller than 6" would go into miscellaneous rather than motors.</i></p>	

Examples of Motors: Water pump (Pool, Well, Fountain, etc.), Conveyor, Vacuum Pump, Mixer, Elevator, Escalator, Fan Motors

Table 36 – Miscellaneous Equipment (Section 5.1.15.34)

Miscellaneous equipment refers to equipment that is not defined under any other end-uses. Please refer to the tables below for lists of some of the most common types of miscellaneous equipment

Is there any electric miscellaneous equipment present at the survey-site?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
Is there any natural gas miscellaneous equipment present at the survey-site?	<input type="checkbox"/> Yes / <input type="checkbox"/> No

Examples of Miscellaneous Electric Equipment

Electronics	Stereo System, TV, DVD Player, Broadcasting Equipment, Theater System, Radio, Clock
Service/Retail	Scanner, Vending Machine (Non-Refrig.), ATM Machine, Video Game, Medical, Dryer / Dehydrator
Shop Equipment	Forklift, Shop Equipment, Battery Charger, Trash Compactor, Kiln / Welder
Laundry	Clothes Washer, Clothes Dryer, Ironing
Building Equipment	Hand Dryer, Battery Charger, Trash Compactor, Shredder, Pool Heaters, Pool Pumps, Security Alarm
Space Comfort	Air Cleaner, Ceiling or Portable Fan, Portable Heater, Exhaust Fan, Humidifier

Examples of Miscellaneous Natural Gas Equipment

Service/Retail	Dryer, Dehydrator, Cremation
Shop Equipment	Shop Equipment, Kiln / Welder
Laundry	Clothes Dryer
Building Equipment	Pool Heaters, Incinerator, Lanterns / Fireplaces

8 PHOTOS AND NOTES

Please provide extensive photos of building(s) elevations and of the interior spaces showing the main activities of the survey-site.

Table 37 – Survey-Site Photo Log (Section 5.1.16.1)

Item #	Photo ID	Description/Comments
1		Building exterior showing main entrance
2		Meter #E-1
3		Meter #G-1
4		Utility Bills for Account E-X
5		Utility Bills for Account G-X
6		Floor Plans
7		Business Hours sign
8		Satellite View screen shot
9		Business Activity
10		Equipment
11		Surveyor Notes
12		Other

General Comments:

Is the survey complete? **Yes/No**

9 APPENDIX A – NAICS FULL LIST

The following multi-page table has the full NAICS code list of CEC mapped commercial businesses. The three columns labeled Level 1 to 3 represent the three drill down levels on the tablet. The first two-digit level is presented in **Table 3** on page 4.

Level 1	Level 2	Level 3
11 Agriculture, Forestry, Fishing and Hunting		
	Support Activities for Crop Production	
		Cotton Ginning – 115111
		Soil Preparation, Planting, and Cultivating – 115112
		Crop Harvesting, Primarily by Machine – 115113
		Postharvest Crop Activities (except Cotton Ginning) – 115114
		Farm Labor Contractors and Crew Leaders – 115115
		Farm Management Services – 115116
	Support Activities for Animal Production	
		Support Activities for Animal Production – 115210
	Support Activities for Forestry	
		Support Activities for Forestry – 115310
42 Wholesale Trade		
	Motor Vehicle and Motor Vehicle Parts and Supplies Merchant Wholesalers	
		Automobile and Other Motor Vehicle Merchant Wholesalers - 423110
		Motor Vehicle Supplies and New Parts Merchant Wholesalers - 423120
		Tire and Tube Merchant Wholesalers - 423130
		Motor Vehicle Parts (Used) Merchant Wholesalers - 423140
	Furniture and Home Furnishing Merchant Wholesalers	
		Furniture Merchant Wholesalers - 423210
		Home Furnishing Merchant Wholesalers - 423220
	Lumber and Other Construction Materials Merchant Wholesalers	
		Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers - 423310
		Brick, Stone, and Related Construction Material Merchant Wholesalers - 423320
		Roofing, Siding, and Insulation Material Merchant Wholesalers - 423330
		Other Construction Material Merchant Wholesalers - 423390
	Professional and Commercial Equipment and Supplies Merchant Wholesalers	
		Photographic Equipment and Supplies Merchant Wholesalers - 423410
		Office Equipment Merchant Wholesalers - 423420
		Computer and Computer Peripheral Equipment and Software Merchant Wholesalers - 423430
		Other Commercial Equipment Merchant Wholesalers - 423440
		Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers - 423450
		Ophthalmic Goods Merchant Wholesalers - 423460

Level 1	Level 2	Level 3
		Other Professional Equipment and Supplies Merchant Wholesalers - 423490
	Metal and Mineral (except Petroleum) Merchant Wholesalers	
		Metal Service Centers and Other Metal Merchant Wholesalers - 423510
		Coal and Other Mineral and Ore Merchant Wholesalers - 423520
	Household Appliances and Electrical and Electronic Goods Merchant Wholesalers	
		Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers - 423610
		Household Appliances, Electric Housewares, and Consumer Electronics Merchant Wholesalers - 423620
		Other Electronic Parts and Equipment Merchant Wholesalers - 423690
	Hardware, and Plumbing and Heating Equipment and Supplies Merchant Wholesalers	
		Hardware Merchant Wholesalers - 423710
		Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers - 423720
		Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers - 423730
		Refrigeration Equipment and Supplies Merchant Wholesalers - 423740
	Machinery, Equipment, and Supplies Merchant Wholesalers	
		Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers - 423810
		Farm and Garden Machinery and Equipment Merchant Wholesalers - 423820
		Industrial Machinery and Equipment Merchant Wholesalers - 423830
		Industrial Supplies Merchant Wholesalers - 423840
		Service Establishment Equipment and Supplies Merchant Wholesalers - 423850
		Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers - 423860
	Miscellaneous Durable Goods Merchant Wholesalers	
		Sporting and Recreational Goods and Supplies Merchant Wholesalers - 423910
		Toy and Hobby Goods and Supplies Merchant Wholesalers - 423920
		Recyclable Material Merchant Wholesalers - 423930
		Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers - 423940
		Other Miscellaneous Durable Goods Merchant Wholesalers - 423990
	Paper and Paper Product Merchant Wholesalers	
		Printing and Writing Paper Merchant Wholesalers - 424110
		Stationery and Office Supplies Merchant Wholesalers - 424120
		Industrial and Personal Service Paper Merchant Wholesalers - 424130
	Drugs and Druggists' Sundries Merchant Wholesalers	
		Drugs and Druggists' Sundries Merchant Wholesalers - 424210
	Apparel, Piece Goods, and Notions Merchant Wholesalers	

Level 1	Level 2	Level 3
		Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers - 424310
		Men's and Boys' Clothing and Furnishings Merchant Wholesalers - 424320
		Women's, Children's, and Infants' Clothing and Accessories Merchant Wholesalers - 424330
		Footwear Merchant Wholesalers - 424340
	Grocery and Related Product Merchant Wholesalers	
		General Line Grocery Merchant Wholesalers - 424410
		Packaged Frozen Food Merchant Wholesalers - 424420
		Dairy Product (except Dried or Canned) Merchant Wholesalers - 424430
		Poultry and Poultry Product Merchant Wholesalers - 424440
		Confectionery Merchant Wholesalers - 424450
		Fish and Seafood Merchant Wholesalers - 424460
		Meat and Meat Product Merchant Wholesalers - 424470
		Fresh Fruit and Vegetable Merchant Wholesalers - 424480
		Other Grocery and Related Products Merchant Wholesalers - 424490
	Farm Product Raw Material Merchant Wholesalers	
		Grain and Field Bean Merchant Wholesalers - 424510
		Livestock Merchant Wholesalers - 424520
		Other Farm Product Raw Material Merchant Wholesalers - 424590
	Chemical and Allied Products Merchant Wholesalers	
		Plastics Materials and Basic Forms and Shapes Merchant Wholesalers - 424610
		Other Chemical and Allied Products Merchant Wholesalers - 424690
	Petroleum and Petroleum Products Merchant Wholesalers	
		Petroleum Bulk Stations and Terminals - 424710
		Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals) - 424720
	Beer, Wine, and Distilled Alcoholic Beverage Merchant Wholesalers	
		Beer and Ale Merchant Wholesalers - 424810
		Wine and Distilled Alcoholic Beverage Merchant Wholesalers - 424820
	Miscellaneous Nondurable Goods Merchant Wholesalers	
		Farm Supplies Merchant Wholesalers - 424910
		Book, Periodical, and Newspaper Merchant Wholesalers - 424920
		Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers - 424930
		Tobacco and Tobacco Product Merchant Wholesalers - 424940
		Paint, Varnish, and Supplies Merchant Wholesalers - 424950
		Other Miscellaneous Nondurable Goods Merchant Wholesalers - 424990
	Wholesale Electronic Markets and Agents and Brokers	
		Business to Business Electronic Markets - 425110
		Wholesale Trade Agents and Brokers - 425120
44-45 Retail Trade		
	Motor Vehicle and Parts Dealers	

Level 1	Level 2	Level 3
		New Car Dealers - 441110
		Used Car Dealers - 441120
		Recreational Vehicle Dealers - 441210
		Boat Dealers - 441222
		Motorcycle, ATV, and All Other Motor Vehicle Dealers - 441228
		Automotive Parts and Accessories Stores - 441310
		Tire Dealers - 441320
	Furniture and Home Furnishings Stores	
		Furniture Stores - 442110
		Floor Covering Stores - 442210
		Window Treatment Stores - 442291
		All Other Home Furnishings Stores - 442299
	Electronics and Appliance Stores	
		Household Appliance Stores - 443141
		Electronics Stores - 443142
	Building Material and Garden Equipment and Supplies Dealers	
		Home Centers - 444110
		Paint and Wallpaper Stores - 444120
		Hardware Stores - 444130
		Other Building Material Dealers - 444190
		Outdoor Power Equipment Stores - 444210
		Nursery, Garden Center, and Farm Supply Stores - 444220
	Food and Beverage Stores	
		Supermarkets and Other Grocery (except Convenience) Stores - 445110
		Convenience Stores - 445120
		Meat Markets - 445210
		Fish and Seafood Markets - 445220
		Fruit and Vegetable Markets - 445230
		Baked Goods Stores - 445291
		Confectionery and Nut Stores - 445292
		All Other Specialty Food Stores - 445299
		Beer, Wine, and Liquor Stores - 445310
	Health and Personal Care Stores	
		Pharmacies and Drug Stores - 446110
		Cosmetics, Beauty Supplies, and Perfume Stores - 446120
		Optical Goods Stores - 446130
		Food (Health) Supplement Stores - 446191
		All Other Health and Personal Care Stores - 446199
	Gasoline Stations	
		Gasoline Stations with Convenience Stores - 447110
		Gasoline Stations without Convenience Stores - 447190
	Clothing and Clothing Accessories Stores	

Level 1	Level 2	Level 3
		Men's Clothing Stores - 448110
		Women's Clothing Stores - 448120
		Children's and Infants' Clothing Stores - 448130
		Family Clothing Stores - 448140
		Clothing Accessories Stores - 448150
		Other Clothing Stores - 448190
		Shoe Stores - 448210
		Jewelry Stores - 448310
		Luggage and Leather Goods Stores - 448320
	Sporting Goods, Hobby, Musical Instrument, and Book Stores	
		Sporting Goods Stores - 451110
		Hobby, Toy, and Game Stores - 451120
		Sewing, Needlework, and Piece Goods Stores - 451130
		Musical Instrument and Supplies Stores - 451140
		Book Stores - 451211
		News Dealers and Newsstands - 451212
	General Merchandise Stores	
		Department Stores - 452210
		Warehouse Clubs and Supercenters - 452311
		All Other General Merchandise Stores - 452319
	Miscellaneous Store Retailers	
		Florists - 453110
		Office Supplies and Stationery Stores - 453210
		Gift, Novelty, and Souvenir Stores - 453220
		Used Merchandise Stores - 453310
		Pet and Pet Supplies Stores - 453910
		Art Dealers - 453920
		Manufactured (Mobile) Home Dealers - 453930
		Tobacco Stores - 453991
		All Other Miscellaneous Store Retailers (except Tobacco Stores) - 453998
	Non-store Retailers	
		Electronic Shopping and Mail-Order Houses - 454110
		Vending Machine Operators - 454210
		Fuel Dealers - 454310
		Other Direct Selling Establishments - 454390
49 Warehousing		
	Warehousing and Storage	
		General Warehousing and Storage - 493110
		Refrigerated Warehousing and Storage - 493120
		Farm Product Warehousing and Storage - 493130
		Other Warehousing and Storage - 493190

Level 1	Level 2	Level 3
51 Information		
	Motion Picture and Sound Recording Industries	
		Motion Picture and Video Production - 512110
		Motion Picture and Video Distribution - 512120
		Motion Picture Theaters (except Drive-Ins) - 512131
		Drive-In Motion Picture Theaters - 512132
		Tele production and Other Postproduction Services - 512191
		Other Motion Picture and Video Industries - 512199
		Music Publishers - 512230
		Sound Recording Studios - 512240
		Record Production and Distribution - 512250
		Other Sound Recording Industries - 512290
	Data Processing, Hosting, and Related Services	
		Data Processing, Hosting, and Related Services - 518210
	Other Information Services	
		News Syndicates - 519110
		Libraries and Archives - 519120
		All Other Information Services - 519190
52 Finance and Insurance		
	Monetary Authorities-Central Bank	
		Monetary Authorities-Central Bank - 521110
	Credit Intermediation and Related Activities	
		Commercial Banking - 522110
		Savings Institutions - 522120
		Credit Unions - 522130
		Other Depository Credit Intermediation - 522190
		Credit Card Issuing - 522210
		Sales Financing - 522220
		Consumer Lending - 522291
		Real Estate Credit - 522292
		International Trade Financing - 522293
		Secondary Market Financing - 522294
		All Other Non-depository Credit Intermediation - 522298
		Mortgage and Nonmortgage Loan Brokers - 522310
		Financial Transactions Processing, Reserve, and Clearinghouse Activities - 522320
		Other Activities Related to Credit Intermediation - 522390
	Securities, Commodity Contracts, and Other Financial Investments and Related Activities	
		Investment Banking and Securities Dealing - 523110
		Securities Brokerage - 523120
		Commodity Contracts Dealing - 523130

Level 1	Level 2	Level 3
		Commodity Contracts Brokerage - 523140
		Securities and Commodity Exchanges - 523210
		Miscellaneous Intermediation - 523910
		Portfolio Management - 523920
		Investment Advice - 523930
		Trust, Fiduciary, and Custody Activities - 523991
		Miscellaneous Financial Investment Activities - 523999
	Insurance Carriers and Related Activities	
		Direct Life Insurance Carriers - 524113
		Direct Health and Medical Insurance Carriers - 524114
		Direct Property and Casualty Insurance Carriers - 524126
		Direct Title Insurance Carriers - 524127
		Other Direct Insurance (except Life, Health, and Medical) Carriers - 524128
		Reinsurance Carriers - 524130
		Insurance Agencies and Brokerages - 524210
		Claims Adjusting - 524291
		Third Party Administration of Insurance and Pension Funds - 524292
		All Other Insurance Related Activities - 524298
	Funds, Trusts, and Other Financial Vehicles	
		Pension Funds - 525110
		Health and Welfare Funds - 525120
		Other Insurance Funds - 525190
		Open-End Investment Funds - 525910
		Trusts, Estates, and Agency Accounts - 525920
		Other Financial Vehicles - 525990
53 Real Estate and Rental and Leasing		
	Real Estate	
		Lessors of Residential Buildings and Dwellings – 531110
		Lessors of Nonresidential Buildings (except Mini Warehouses) – 531120
		Lessors of Nonresidential Buildings – PM in the Building - 531121
		Lessors of Nonresidential Buildings – PM not in the Building - 531122
		Lessors of Mini Warehouses and Self-Storage Units – 531130
		Lessors of Other Real Estate Property – 531190
		Offices of Real Estate Agents and Brokers – 531210
		Residential Property Managers – 531311 (CEUS: 4+ floors)
		Nonresidential Property Managers – 531312
		Offices of Real Estate Appraisers – 531320
		Other Activities Related to Real Estate - 531390
	Rental and Leasing Services	
		Passenger Car Rental - 532111
		Passenger Car Leasing - 532112

Level 1	Level 2	Level 3
		Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing - 532120
		Consumer Electronics and Appliances Rental - 532210
		Formal Wear and Costume Rental - 532281
		Video Tape and Disc Rental - 532282
		Home Health Equipment Rental - 532283
		Recreational Goods Rental - 532284
		All Other Consumer Goods Rental - 532289
		General Rental Centers - 532310
		Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing - 532411
		Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing - 532412
		Office Machinery and Equipment Rental and Leasing - 532420
		Other Commercial and Industrial Machinery and Equipment Rental and Leasing - 532490
	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)	
		Lessors of Nonfinancial Intangible Assets (except Copyrighted Works) - 533110
54 Professional, Scientific, and Technical Services		
	Legal Services	
		Offices of Lawyers - 541110
		Offices of Notaries - 541120
		Title Abstract and Settlement Offices - 541191
		All Other Legal Services - 541199
	Accounting, Tax Preparation, Bookkeeping, and Payroll Services	
		Offices of Certified Public Accountants - 541211
		Tax Preparation Services - 541213
		Payroll Services - 541214
		Other Accounting Services - 541219
	Architectural, Engineering, and Related Services	
		Architectural Services - 541310
		Landscape Architectural Services - 541320
		Engineering Services - 541330
		Drafting Services - 541340
		Building Inspection Services - 541350
		Geophysical Surveying and Mapping Services - 541360
		Surveying and Mapping (except Geophysical) Services - 541370
		Testing Laboratories - 541380
	Specialized Design Services	
		Interior Design Services - 541410
		Industrial Design Services - 541420
		Graphic Design Services - 541430

Level 1	Level 2	Level 3
		Other Specialized Design Services - 541490
	Computer Systems Design and Related Services	
		Custom Computer Programming Services - 541511
		Computer Systems Design Services - 541512
		Computer Facilities Management Services - 541513
		Other Computer Related Services - 541519
	Management, Scientific, and Technical Consulting Services	
		Administrative Management and General Management Consulting Services - 541611
		Human Resources Consulting Services - 541612
		Marketing Consulting Services - 541613
		Process, Physical Distribution, and Logistics Consulting Services - 541614
		Other Management Consulting Services - 541618
		Environmental Consulting Services - 541620
		Other Scientific and Technical Consulting Services - 541690
	Scientific Research and Development Services	
		Research and Development in Nanotechnology - 541713
		Research and Development in Biotechnology (except Nanobiotechnology) - 541714
		Research & Development in the Physical, Engineering, & Life Sciences (except Nanotechnology & Biotechnology) - 541715
		Research and Development in the Social Sciences and Humanities - 541720
	Advertising, Public Relations, and Related Services	
		Advertising Agencies - 541810
		Public Relations Agencies - 541820
		Media Buying Agencies - 541830
		Media Representatives - 541840
		Outdoor Advertising - 541850
		Direct Mail Advertising - 541860
		Advertising Material Distribution Services - 541870
		Other Services Related to Advertising - 541890
	Other Professional, Scientific, and Technical Services	
		Marketing Research and Public Opinion Polling - 541910
		Photography Studios, Portrait - 541921
		Commercial Photography - 541922
		Translation and Interpretation Services - 541930
		Veterinary Services - 541940
		All Other Professional, Scientific, and Technical Services - 541990
55 Management of Companies and Enterprises		
	Management of Companies and Enterprises	
		Offices of Bank Holding Companies - 551111
		Offices of Other Holding Companies - 551112

Level 1	Level 2	Level 3
		Corporate, Subsidiary, and Regional Managing Offices - 551114
56 Administrative, Support, Waste Management, & Remediation Services		
	Office Administrative Services	
		Office Administrative Services - 561110
	Facilities Support Services	
		Facilities Support Services - 561210
	Employment Services	
		Employment Placement Agencies - 561311
		Executive Search Services - 561312
		Temporary Help Services - 561320
		Professional Employer Organizations - 561330
	Business Support Services	
		Document Preparation Services - 561410
		Telephone Answering Services - 561421
		Telemarketing Bureaus and Other Contact Centers - 561422
		Private Mail Centers - 561431
		Other Business Service Centers (including Copy Shops) - 561439
		Collection Agencies - 561440
		Credit Bureaus - 561450
		Repossession Services - 561491
		Court Reporting and Stenotype Services - 561492
		All Other Business Support Services - 561499
	Travel Arrangement and Reservation Services	
		Travel Agencies - 561510
		Tour Operators - 561520
		Convention and Visitors Bureaus - 561591
		All Other Travel Arrangement and Reservation Services - 561599
	Investigation and Security Services	
		Investigation Services - 561611
		Security Guards and Patrol Services - 561612
		Armored Car Services - 561613
		Security Systems Services (except Locksmiths) - 561621
		Locksmiths - 561622
	Services to Buildings and Dwellings	
		Exterminating and Pest Control Services - 561710
		Janitorial Services - 561720
		Landscaping Services - 561730
		Carpet and Upholstery Cleaning Services - 561740
		Other Services to Buildings and Dwellings - 561790
	Other Support Services	
		Packaging and Labeling Services - 561910

Level 1	Level 2	Level 3
		Convention and Trade Show Organizers - 561920
		All Other Support Services - 561990
61 Educational Services		
	Elementary and Secondary Schools	
		Elementary and Secondary Schools - 611110
	Junior Colleges	
		Junior Colleges - 611210
	Colleges, Universities, and Professional Schools	
		Colleges, Universities, and Professional Schools - 611310
	Business Schools and Computer and Management Training	
		Business and Secretarial Schools - 611410
		Computer Training - 611420
		Professional and Management Development Training - 611430
	Technical and Trade Schools	
		Cosmetology and Barber Schools - 611511
		Flight Training - 611512
		Apprenticeship Training - 611513
		Other Technical and Trade Schools - 611519
	Other Schools and Instruction	
		Fine Arts Schools - 611610
		Sports and Recreation Instruction - 611620
		Language Schools - 611630
		Exam Preparation and Tutoring - 611691
		Automobile Driving Schools - 611692
		All Other Miscellaneous Schools and Instruction - 611699
	Educational Support Services	
		Educational Support Services - 611710
62 Health Care and Social Assistance		
	Offices of Physicians	
		Offices of Physicians (except Mental Health Specialists) - 621111
		Offices of Physicians, Mental Health Specialists - 621112
	Offices of Dentists	
		Offices of Dentists - 621210
	Offices of Other Health Practitioners	
		Offices of Chiropractors - 621310
		Offices of Optometrists - 621320
		Offices of Mental Health Practitioners (except Physicians) - 621330
		Offices of Physical, Occupational and Speech Therapists, and Audiologists - 621340
		Offices of Podiatrists - 621391
		Offices of All Other Miscellaneous Health Practitioners - 621399

Level 1	Level 2	Level 3
	Outpatient Care Centers	
		Family Planning Centers - 621410
		Outpatient Mental Health and Substance Abuse Centers - 621420
		HMO Medical Centers - 621491
		Kidney Dialysis Centers - 621492
		Freestanding Ambulatory Surgical and Emergency Centers - 621493
		All Other Outpatient Care Centers - 621498
	Medical and Diagnostic Laboratories	
		Medical Laboratories - 621511
		Diagnostic Imaging Centers - 621512
	Home Health Care Services	
		Home Health Care Services - 621610
	Other Ambulatory Health Care Services	
		Ambulance Services - 621910
		Blood and Organ Banks - 621991
		All Other Miscellaneous Ambulatory Health Care Services - 621999
	Hospitals	
		General Medical and Surgical Hospitals - 622110
		Psychiatric and Substance Abuse Hospitals - 622210
		Specialty (except Psychiatric and Substance Abuse) Hospitals - 622310
	Nursing and Residential Care Facilities	
		Nursing Care Facilities (Skilled Nursing Facilities) - 623110
		Residential Intellectual and Developmental Disability Facilities - 623210
		Residential Mental Health and Substance Abuse Facilities - 623220
		Continuing Care Retirement Communities - 623311
		Assisted Living Facilities for the Elderly - 623312
		Other Residential Care Facilities - 623990
	Social Assistance	
		Child and Youth Services - 624110
		Services for the Elderly and Persons with Disabilities - 624120
		Other Individual and Family Services - 624190
		Community Food Services - 624210
		Temporary Shelters - 624221
		Other Community Housing Services - 624229
		Emergency and Other Relief Services - 624230
		Vocational Rehabilitation Services - 624310
		Child Day Care Services - 624410
71 Arts, Entertainment, and Recreation		
	Performing Arts, Spectator Sports, and Related Industries	
		Theater Companies and Dinner Theaters - 711110
		Dance Companies - 711120

Level 1	Level 2	Level 3
		Musical Groups and Artists - 711130
		Other Performing Arts Companies - 711190
		Sports Teams and Clubs - 711211
		Racetracks - 711212
		Other Spectator Sports - 711219
		Promoters of Performing Arts, Sports, and Similar Events with Facilities - 711310
		Promoters of Performing Arts, Sports, and Similar Events without Facilities - 711320
		Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures - 711410
		Independent Artists, Writers, and Performers - 711510
	Museums, Historical Sites, and Similar Institutions	
		Museums - 712110
		Historical Sites - 712120
		Zoos and Botanical Gardens - 712130
		Nature Parks and Other Similar Institutions - 712190
	Amusement, Gambling, and Recreation Industries	
		Amusement and Theme Parks - 713110
		Amusement Arcades - 713120
		Casinos (except Casino Hotels) - 713210
		Other Gambling Industries - 713290
		Golf Courses and Country Clubs - 713910
		Skiing Facilities - 713920
		Marinas - 713930
		Fitness and Recreational Sports Centers - 713940
		Bowling Centers - 713950
		All Other Amusement and Recreation Industries - 713990
72 Accommodation and Food Services		
	Accommodation	
		Hotels (except Casino Hotels) and Motels - 721110
		Casino Hotels - 721120
		Bed-and-Breakfast Inns - 721191
		All Other Traveler Accommodation - 721199
		RV (Recreational Vehicle) Parks and Campgrounds - 721211
		Recreational and Vacation Camps (except Campgrounds) - 721214
		Rooming and Boarding Houses, Dormitories, and Workers' Camps - 721310
	Food Services and Drinking Places	
		Food Service Contractors - 722310
		Caterers - 722320
		Mobile Food Services - 722330
		Drinking Places (Alcoholic Beverages) - 722410

Level 1	Level 2	Level 3
		Full-Service Restaurants - 722511
		Limited-Service Restaurants - 722513
		Cafeterias, Grill Buffets, and Buffets - 722514
		Snack and Nonalcoholic Beverage Bars - 722515
81 Other Services (except Public Administration)		
Automotive Repair and Maintenance		
		General Automotive Repair - 811111
		Automotive Exhaust System Repair - 811112
		Automotive Transmission Repair - 811113
		Other Automotive Mechanical and Electrical Repair and Maintenance - 811118
		Automotive Body, Paint, and Interior Repair and Maintenance - 811121
		Automotive Glass Replacement Shops - 811122
		Automotive Oil Change and Lubrication Shops - 811191
		Car Washes - 811192
		All Other Automotive Repair and Maintenance - 811198
Electronic and Precision Equipment Repair and Maintenance		
		Consumer Electronics Repair and Maintenance - 811211
		Computer and Office Machine Repair and Maintenance - 811212
		Communication Equipment Repair and Maintenance - 811213
		Other Electronic and Precision Equipment Repair and Maintenance - 811219
Commercial & Industrial Machinery & Equipment (except Automotive & Electronic) Repair & Maintenance		
		Commercial & Industrial Machinery & Equipment (except Automotive & Electronic) Repair & Maintenance - 811310
Personal and Household Goods Repair and Maintenance		
		Home and Garden Equipment Repair and Maintenance - 811411
		Appliance Repair and Maintenance - 811412
		Reupholstery and Furniture Repair - 811420
		Footwear and Leather Goods Repair - 811430
		Other Personal and Household Goods Repair and Maintenance - 811490
Personal Care Services		
		Barber Shops - 812111
		Beauty Salons - 812112
		Nail Salons - 812113
		Diet and Weight Reducing Centers - 812191
		Other Personal Care Services - 812199
Death Care Services		
		Funeral Homes and Funeral Services - 812210
		Cemeteries and Crematories - 812220
Dry cleaning and Laundry Services		
		Coin-Operated Laundries and Drycleaners - 812310

Level 1	Level 2	Level 3
		Dry cleaning and Laundry Services (except Coin-Operated) - 812320
		Linen Supply - 812331
		Industrial Launderers - 812332
	Other Personal Services	
		Pet Care (except Veterinary) Services - 812910
		Photofinishing Laboratories (except One-Hour) - 812921
		One-Hour Photofinishing - 812922
		Parking Lots and Garages - 812930
		All Other Personal Services - 812990
	Religious, Grant making, Civic, Professional, and Similar Organizations	
		Religious Organizations - 813110
		Grant making Foundations - 813211
		Voluntary Health Organizations - 813212
		Other Grant making and Giving Services - 813219
		Human Rights Organizations - 813311
		Environment, Conservation and Wildlife Organizations - 813312
		Other Social Advocacy Organizations - 813319
		Civic and Social Organizations - 813410
		Business Associations - 813910
		Professional Organizations - 813920
		Labor Unions and Similar Labor Organizations - 813930
		Political Organizations - 813940
		Other Similar Organizations (except Business, Professional, Labor, and Political Organizations) - 813990
92 Public Administration		
	Executive, Legislative, and Other General Government Support	
		Executive Offices - 921110
		Legislative Bodies - 921120
		Public Finance Activities - 921130
		Executive and Legislative Offices, Combined - 921140
		American Indian and Alaska Native Tribal Governments - 921150
		Other General Government Support - 921190
	Justice, Public Order, and Safety Activities	
		Courts - 922110
		Police Protection - 922120
		Legal Counsel and Prosecution - 922130
		Correctional Institutions - 922140
		Parole Offices and Probation Offices - 922150
		Fire Protection - 922160
		Other Justice, Public Order, and Safety Activities - 922190
	Administration of Human Resource Programs	
		Administration of Education Programs - 923110

Level 1	Level 2	Level 3
		Administration of Public Health Programs - 923120
		Administration of Human Resource Programs (except Education, Public Health, & Veterans' Affairs Programs) - 923130
		Administration of Veterans' Affairs - 923140
	Administration of Environmental Quality Programs	
		Administration of Air and Water Resource and Solid Waste Management Programs - 924110
		Administration of Conservation Programs - 924120
	Administration of Housing Programs, Urban Planning, and Community Development	
		Administration of Housing Programs - 925110
		Administration of Urban Planning and Community and Rural Development - 925120
	Administration of Economic Programs	
		Administration of General Economic Programs - 926110
		Regulation and Administration of Transportation Programs - 926120
		Regulation and Administration of Communications, Electric, Gas, and Other Utilities - 926130
		Regulation of Agricultural Marketing and Commodities - 926140
		Regulation, Licensing, and Inspection of Miscellaneous Commercial Sectors - 926150
	Space Research and Technology	
		Space Research and Technology - 927110
	National Security and International Affairs	
		International Affairs - 928120