2020 Census Local Update of Census Addresses Operation (LUCA)

U.S. Census Bureau
Geography Division

Agenda

- 2020 Census LUCA Operation
- Participation in LUCA
  - What is LUCA?
  - Who Can Participate?
  - Why participate?
- What's new for LUCA
- Preparation for LUCA
- Confidentiality & Security
- Participation Options
- Q&A

There used to be a home here.

Getting from
Here to-----→ There
(How we take a Census)

–Establish WHERE
to count   ---→ **LUCA, etc.**
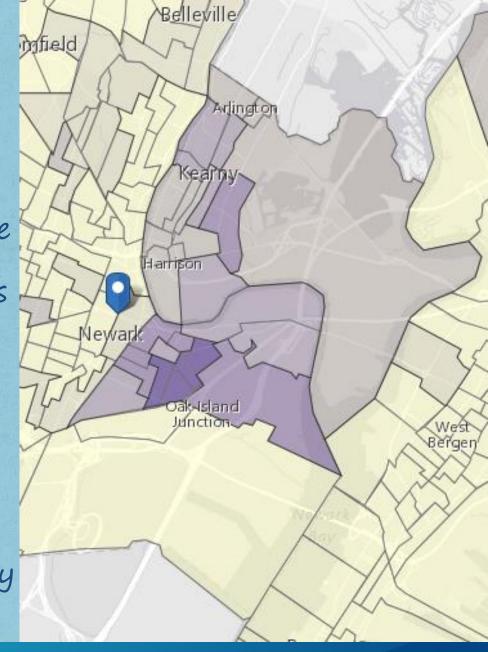
–Motivate People
to Respond   ----> **Partnering**

–Count People   ----> **Census Day!**

–Release Census Results   ---> **American Factfinder**

How are Census Data Used?

- **Apportionment**
- **Draw** congressional and state legislative districts, school districts and voting precincts
- **Distribute** federal dollars to states
- **Inform** local gov't planning decisions
- **Inform** business where to locate
- **Provide** benchmarks for American Community Survey

What is LUCA?

- Voluntary geographic partnership

- Governments add ADDRESSES

- Authorized by the [Census Address List Improvement Act of 1994 (Public Law 103-430)](#)
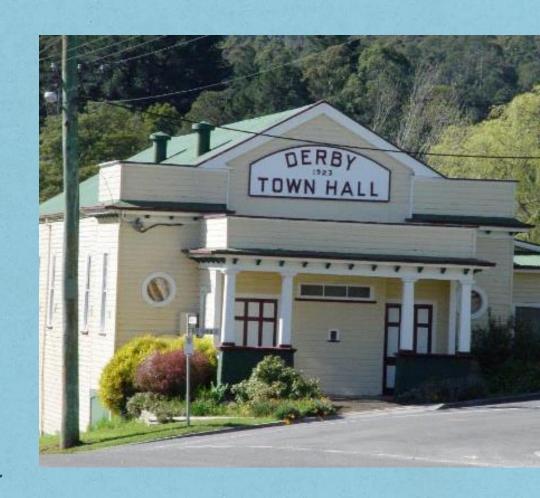
Who can participate in LUCA?

-Active governments

-States, counties, planning districts

-Cities, towns, townships, boroughs, villages.

-Federally recognized tribes with a reservation or off-reservation trust land

-But...Regional Planning Agencies must have governments sign off to them.

Why participate?

-It improves the Census Bureau's Address List BEFORE the Decennial begins.

-The Census is based on the address list

-The ACS is based on the address list

-Accuracy gets people and stats in the right place

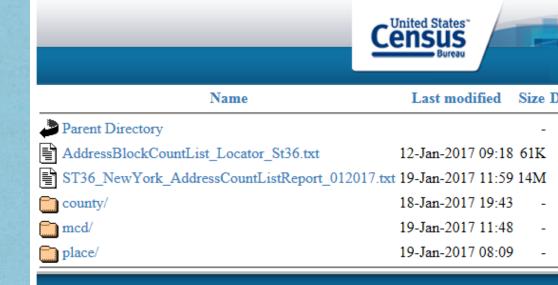-It's your chance to see addresses we will use.

What's New for LUCA

- **Offers** streamlined participation – Full Address List Review

- **Requires** residential multiunit structure identifiers (Apt 1, Apt 2)

- **Provides** the digital address list in a standard software format

- **Includes** ungeocoded address records for participants

- **Includes** residential structure coordinates

- **Allows** participants to submit residential structure coordinates

Preparing for LUCA

- ✓ **Submit** Contact Information Update Form

- ✓ **Develop** a strategy for your address review

- ✓ **Review** the Census Bureau's count of residential addresses by census block for your government

Name	Last modified	Size	D
Parent Directory		-	
AddressBlockCountList_Locator_St36.txt	12-Jan-2017 09:18	61K	
ST36_NewYork_AddressCountListReport_012017.txt	19-Jan-2017 11:59	14M	
county/	18-Jan-2017 19:43	-	
mcd/	19-Jan-2017 11:48	-	
place/	19-Jan-2017 08:09	-	

ABOUT US
Are You in a Su
FAQs
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Regional Office
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Diversity @ Cer
Business Oppo

Preparing for LUCA
(cont'd)

✓ **Confirm** that your address list contains individual multi-unit structure identifiers (Apt 1, Apt 2)

✓ **Identify** local address sources such as building permits, E-911 address files, local utility records, annexation records, and assessment or taxation files

✓ **Plan** to attend a LUCA Workshop

✓ **Spread the word!**

Transit-oriented Development

Confidentiality and Security

- The information provided to/from LUCA is covered under Title 13 of the United States Code which:
  - Requires the Census Bureau to ensure confidential treatment of census-related information, including individual addresses and map structure points
  - Requires that all liaisons, reviewers, and anyone with access to Title 13 materials abide by Confidentiality and Security Guidelines
  - Requires the Census Bureau maintain the confidentiality of all information it collects

Confidentiality and Security (continued)

- **Confidentiality Agreement**
  - Appoint LUCA liaison to assume responsibility for Title 13 compliance
  - Reviewers must follow guidelines and sign the Confidentiality Agreement

LUCA – Participation Methods

How Many Housing Units?

-GUPS (Geographic Update Partnership Software)

-Digital (Commercial GIS/Spreadsheet/Database software)

-Paper Address List and Maps (Available only to governments with less than 6000 addresses)
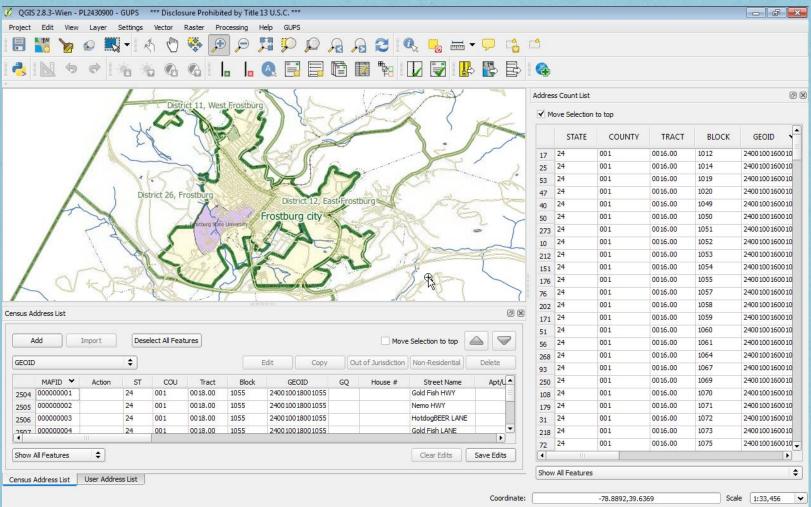
Geographic Update Partnership Software (GUPS)

- A self-contained, customized GIS software package for LUCA 2020.
- Includes Census Bureau's Address List, Census Bureau's count of residential addresses by census block, and TIGER partnership shapefiles
- Designed for participants with no GIS experience
- Allows for simple or intricate reviews and edits
- Quality Check/Validation Tool assures LUCA edits are valid for before submission
- No Internet connection required
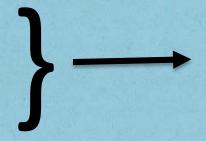
Geographic Update Partnership Software (GUPS) — Cont'd

United States Census Bureau

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

Address List Formats

- **Digital Address List**
  - Excel (.xlxs) or comma-delimited (.csv)
  - Available to all governments
  - No separate "Add Pages"
- **Paper Address List**
  - Available to gov'ts ≤ 6,000 addresses
  - Legal size (8 ½ x 14") – 6 addresses/pg.
  - Two sorts:
    - Street Name/House Number
    - Census Tract/Block/Street Name/House No.
    - Separate "Add Page"

Electronic Address List Layout

LUCA 2010 – 26 Fields

Entity ID
Line #
MAFID
Action
State
County
Tract
Block
GQ Flag
House Number
Street Name Prefix Qualifier
Street Name Prefix Direction
Street Name Prefix Type
Street Name
Street Name Suffix Type
Street Name Suffix Direction
Street Name Suffix Qualifier
Location Description or GQ Name
Apartment/Unit Number
ZIP Code
Noncity-Style Mailing Address
Noncity-Style ZIP Code
Structure Point
Latitude
Longitude
City-Style Flag

LUCA 2020 – 24 Fields

Line #
MAFID
Action
Entity ID
State
County
Tract
Block
GEO ID
GQ Flag
House Number
Street Name
Apartment/Unit #
ZIP Code
GQ Name
Facility Name
Location Description
Noncity-Style Mailing Address
Noncity-Style ZIP Code
Mapspot ID
Address Use
Latitude
Longitude
City-Style Flag

Paper Address List

*

Form D-2007
(XX-XX-XXXX)
OMB Control No. 0607-0994

ADDRESS LIST
2020 LOCAL UPDATE OF CENSUS ADDRESSES OPERATION (LUCA)

U.S. DEPARMENT OF COMMERCE
ECONOMICS AND STATISTICS ADMINSTRATION
U.S. CENSUS BUREAU

Sort: Street Name/House Number
Entity: Winter County CO88009

DISCLOSURE PROHIBITED BY TITLE 13, U.S.C.

1 Line Number	2 MAFID	3 Action Code	(4a) State County Code	(4b) Census Tract	(4c) Census Block	5 GQ Flag	(6a) Complete Address Number	(6b) Complete Street Name / (6c) Group Quarters Name / (6d) Facility Name or Physical Location Description	(6e) Apt/ Unit Number	(6f) City-Style ZIP Code	7 Noncity-Style Mail Delivery Address (RR Number, HCR Number, PO Box Number) / (7a) Noncity-Style Mailing ZIP Code	8 Map Spot Number	9 City-Style Address Flag	10 Map Spot ID Coordinates (10a) Latitude (10b) Longitude
25	999999993		88009	0045.00	1055		4007	AMPHORA ST		99997		3	Y	40.361373 / -73.543799
26	999999994		88009	0045.00	1055		4009	AMPHORA ST		99997		4	Y	40.361377 / -73.543799
27	999999995		88009	0045.00	1058		5001	AMPHORA ST		99997		1	Y	40.361381 / -73.543799
28	999999996		88009	0045.00	1058		5003	AMPHORA ST		99997		2	Y	40.3613785 / -73.543799
29	999999997		88009	0045.00	1065		402	W CAMERON AVE		99997		11	Y	40.3613791 / -73.543799
30	999999999		88009	0045.00	1065		404	W CAMERON AVE		99997		12	Y	40.3613796 / -73.543799

Action Codes
C – Correction to this address   D – Delete this address   J – Address is not in this Jurisdiction   N – Address is Nonresidential

FICTITIOUS INFORMATION –FOR EXAMPLE ONLY

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov
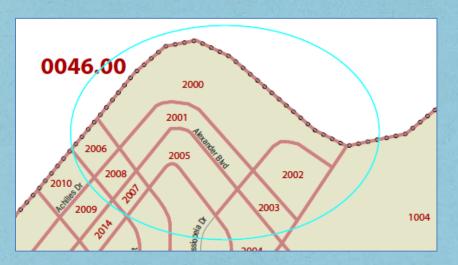
Paper Address List – Add Page
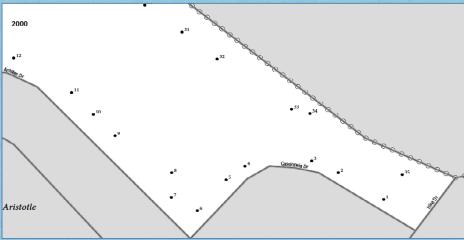
Map Media Types

- **Electronic Map Media**
  - Maps are provided as TIGER partnership shapefiles
- **Paper Map Media**
  - Large format paper map(s) (36'' X 42'') along with a DVD of small format (8.5'' X 14'') block maps in Adobe PDF format

Paper Option

- Address lists available to governments with 6,000 or fewer addresses and delivered in 8.5" X 14" format [the equivalent of 1,000 printed pages]

- Large format paper map(s) (36" X 42") along with a DVD of small format (8.5" X 14") block maps in Adobe PDF format

What's next for LUCA?

- **Advanced notice** mailed to Highest Elected Officials (HEO) and Tribal Chairs (TC) (cc other LUCA contacts) January 2017
  - Contact Update Form
- **Invitation and registration** mailed July 2017
  - LUCA Information Booklet
  - Confidentiality and Security Guidelines
  - Forms for Registration:
    1. Registration Form
    2. Confidentiality Agreement Form
    3. Product Preference Form
    4. Self-Assessment for the Confidentiality and Security Guidelines

Dec 15, 2017 – Registration Deadline

Next Step for Participants

Training begins in October 2017

- In-person workshops conducted where needed

- Self-training aids and webinars online

Completing the address review

- **120** calendar days to review and update the Census Bureau's Address List from receipt of materials

How Can You Prepare Now!?

-120 Days is NOT a lot of time

-Focus on areas of growth (get the addresses ready)

-Use the Census Address Geocoder

-Download your Address Block Count List from our site

-Learn how to locate Block Numbers in American Factfinder

-Determine WHO from your jurisdiction will participate.

How Many Buzzers? How Many Units?

UNITED STATES Census Bureau

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

2020 Census LUCA Schedule

2020 Census LUCA Operation Schedule	
Timeframe	**Activity**
January 2017	Advance Notice mailed to Highest Elected Officials(HEOs), Tribal Chairs (TCs), Governors, and other LUCA contacts.
March 2017	LUCA promotional workshops begin.
July 2017	LUCA invitation and registration materials mailed to HEOs, TCs, and Governors.
October 2017	LUCA training workshops begin.
February-April 2018	Participants review and update the Census Bureau's address list.
February-September 2018	Census Bureau processes LUCA submissions.
August-September 2019	Feedback provided to respondents

Useful websites:

LUCA Homepage:

https://www.census.gov/geo/partnerships/luca.html

CENSUS Geocoder:

https://www.census.gov/geo/maps-data/data/geocoder.html

American Factfinder Shortcut:

https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t

2020 Census LUCA Operation

Questions?

Contact Information:

Or Email: GEO.2020.LUCA@census.gov

New York Regional Office (Geo) :
212-584-3430