

# Local Update of Census Addresses

Presentation to the National Advisory Committee

April 27, 2017

# Local Update of Census Addresses

## Background

- Authorized by the Census Address List Improvement Act of 1994 (Public Law 103-430)
- Implemented in the support of the 2000 Census and refined to support the 2010 Census
- Provides a voluntary opportunity for designated representatives of tribal, state and local governments to review and comment on the addresses used to conduct the decennial census

## What's New for 2020 LUCA:

- **Offers** streamlined participation – full address list review
- **Provides** the digital address list in convenient standard software formats
- **Includes** ungeocoded address records for state and county participants
- **Requires** residential multi-unit structure identifiers (e.g., Apt 1, Unit A2, #3001, etc.)
- **Includes** residential structure coordinates, if available
- **Allows** participants to submit residential structure coordinates, if available
- **Allows** participants to submit non-city style addresses with corresponding map spot

# Local Update of Census Addresses

## Where are we Now?

- ✓ Completed the Advance Notice mailing
- ✓ Opened the LUCA Geographic Programs Support Desk
- ✓ Posted address block count lists on the LUCA website
- Preparing to create the LUCA materials and process the returns
- Refining processes to match LUCA records to MAF/TIGER System
- Developing training and user materials for partners

# Local Update of Census Addresses

## Address Count List

### How Can I Review The Address Block Counts for My Entity?

The 2020 Census LUCA Address Block Count files are available for download from our FTP site. Please select American Indian Areas, a state, the District of Columbia or Puerto Rico from the menu below. For the states, DC and PR, after you select your state, click on the folder of your entity type (county, place, or mcd for Minor Civil Divisions) or use the Address Block Count List Locator file to determine which folder your entity's Address Block Count file is stored in. More information about [opening and saving your file as a Microsoft Excel file](#). [PDF]

Select AIA or a State

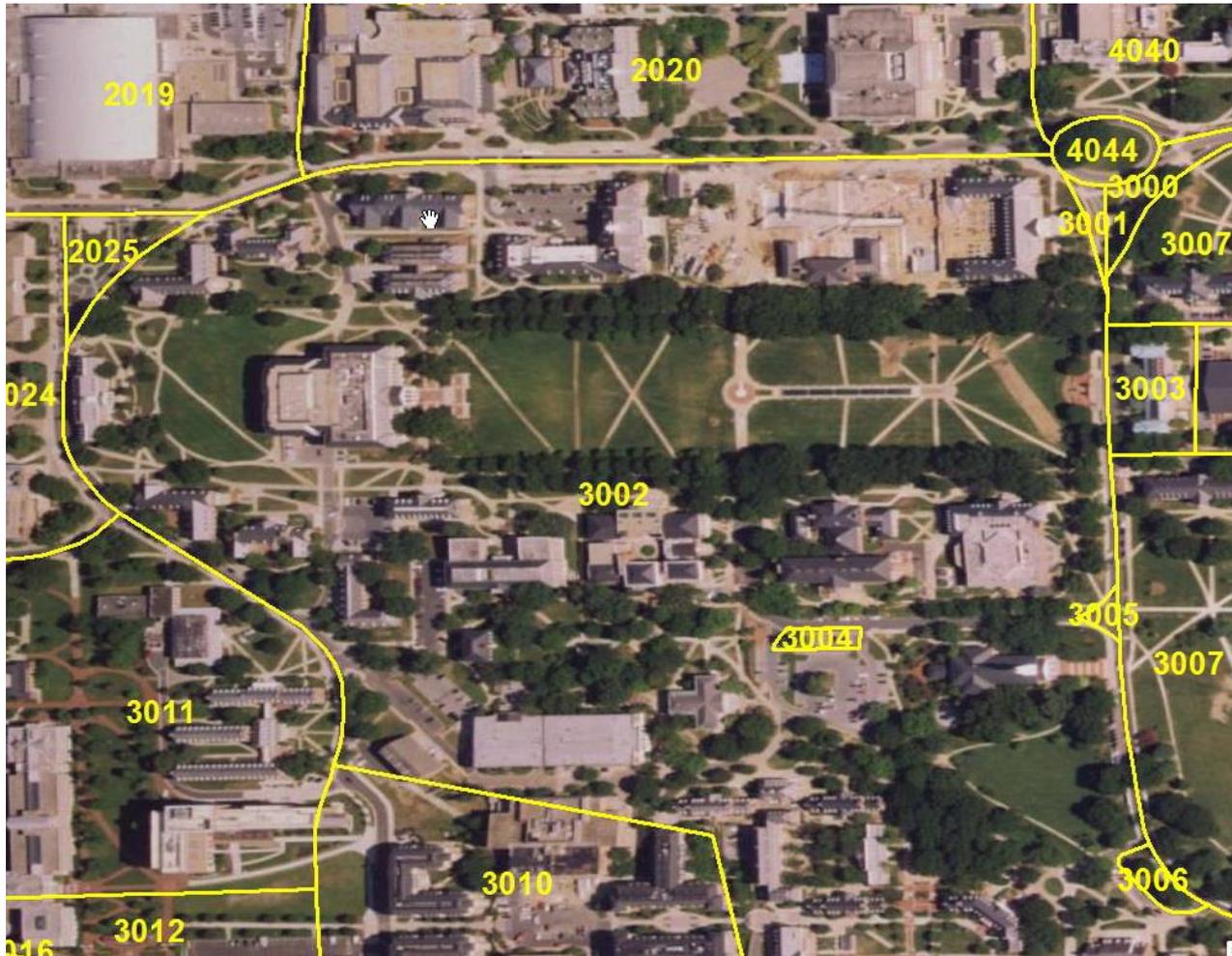
To view your Address Block Counts on a map, download the **block** layer [2016 TIGER/Line shapefiles](#) for your state and follow the instructions for [Joining Census Data to TIGER/Line Shapefiles](#) [PDF].

State	County	Tract	BLOCK	BLOCK_GEOID	Total Residential	Total Group Quarters
24	033	8072.00	1036	240338072001036	17	0
24	033	8072.00	3001	240338072003001	0	0
24	033	8072.00	3002	240338072003002	0	18
24	033	8074.05	3046	240338074053046	0	0
24	033	8074.05	3047	240338074053047	6	0
TOTAL					8377	89

[www.census.gov/geo/partnerships/luca.html](http://www.census.gov/geo/partnerships/luca.html)

# Local Update of Census Addresses

## Shapefiles/TIGERweb



# Local Update of Census Addresses

## Geocoder Tool

- Current tool can process as many as 10,000 addresses at a time
- Currently doing production tests on the process for partners submitting more than 10,000 addresses at a time

Input Address	Match	Match Type	Lat/Long	Tiger/Line ID	Side	State	County	Tract	Block
101 Marietta Street NW Suite 3200, Atlanta, GA, 30303-2700	Match	Exact	-84.39224,33.756588	17344104	R	13	121	11900	2015
101 Marietta Street, Suite 3200, Atlanta, GA, 30303-2700	Match	Non_Exact	-84.39224,33.756588	17344104	R	13	121	11900	2015
1111 W. 22nd Street Suite 400, Oak Brook, IL, 60523-1918	Match	Exact	-87.94587,41.84698	112548696	L	17	043	844601	1072

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# Local Update of Census Addresses

## Non-City Style Addresses

### Acceptable with map spots:

- Location Description
- Rural Route
- Highway Contractor Route

### Not Acceptable:

- Post Office Boxes



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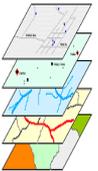
## Participation Methods



Geographic Update Partnership Software (GUPS)



Paper Format - Address List and Maps



Digital Format - Address List and Maps

# Local Update of Census Addresses

## Geographic Update Partnership Software

The screenshot shows the QGIS 2.8.3 interface. The main map displays several districts: District 11, West Frostburg; District 26, Frostburg; and District 12, East Frostburg. Frostburg city is also labeled. The map includes street names and geographical features like rivers and roads.

Below the map are two data tables:

**Census Address List**

GEOID	MAFID	Action	ST	COU	Tract	Block	GEOID	GQ	House #	Street Name	Apt/U
2504	000000001		24	001	0018.00	1055	240010018001055			Gold Fish HWY	
2505	000000002		24	001	0018.00	1055	240010018001055			Nemo HWY	
2506	000000003		24	001	0018.00	1055	240010018001055			HotdogBEER LANE	
2507	000000004		24	001	0018.00	1055	240010018001055			Gold Fish LANE	

**Address Count List**

	STATE	COUNTY	TRACT	BLOCK	GEOID
17	24	001	0016.00	1012	2400100160010
25	24	001	0016.00	1014	2400100160010
53	24	001	0016.00	1019	2400100160010
47	24	001	0016.00	1020	2400100160010
40	24	001	0016.00	1049	2400100160010
50	24	001	0016.00	1050	2400100160010
273	24	001	0016.00	1051	2400100160010
10	24	001	0016.00	1052	2400100160010
212	24	001	0016.00	1053	2400100160010
151	24	001	0016.00	1054	2400100160010
176	24	001	0016.00	1055	2400100160010
76	24	001	0016.00	1057	2400100160010
202	24	001	0016.00	1058	2400100160010
171	24	001	0016.00	1059	2400100160010
51	24	001	0016.00	1060	2400100160010
56	24	001	0016.00	1061	2400100160010
268	24	001	0016.00	1064	2400100160010
93	24	001	0016.00	1067	2400100160010
250	24	001	0016.00	1069	2400100160010
108	24	001	0016.00	1070	2400100160010
179	24	001	0016.00	1071	2400100160010
31	24	001	0016.00	1072	2400100160010
218	24	001	0016.00	1073	2400100160010
72	24	001	0016.00	1075	2400100160010

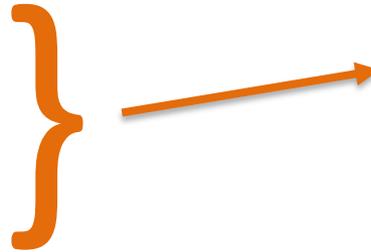
Coordinate: -78.8892, 39.6369 Scale: 1:33,456

# Local Update of Census Addresses

## Electronic Address List

### 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
Non-city style Mailing Address
Non-city 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
Non-city style Mailing Address
Non-city style ZIP Code
Mapspot ID
Address Use
Latitude
Longitude
City-Style Flag

# Local Update of Census Addresses

## Paper Address List

Form D-2007 (XX-XX-XXXX) OMB Control No. 0607-0994										<b>ADDRESS LIST</b> <b>2020 LOCAL UPDATE OF CENSUS ADDRESSES OPERATION (LUCA)</b>					U.S. DEPARTMENT OF COMMERCE ECONOMICS AND STATISTICS ADMINISTRATION U.S. CENSUS BUREAU		
Sort: Street Name/House Number										<b>DISCLOSURE PROHIBITED BY TITLE 13, U.S.C.</b>					Page: <u>5 of 20</u>		
Entity: Winter County CO88009															Date: <u>01/04/2018</u>		
1 Line Number	2 MAFID	3 Action Code	4 Census Geographic Location of Address			5 GQ Flag	6 City Style Mail Delivery Address or E-911 Address or Physical Location Description and Road Name				7 Noncity-Style Mail Delivery Address (RR Number, HCR Number, PO Box Number)	8 Map Spot Number	9 City-Style Address Flag	10 Map Spot ID Coordinates			
			(4a) State County Code	(4b) Census Tract	(4c) Census Block		(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	(7a) Noncity-Style Mailing ZIP Code	(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



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

**DISCLOSURE PROHIBITED BY TITLE 13, U.S.C.**  
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## Maps

### Paper

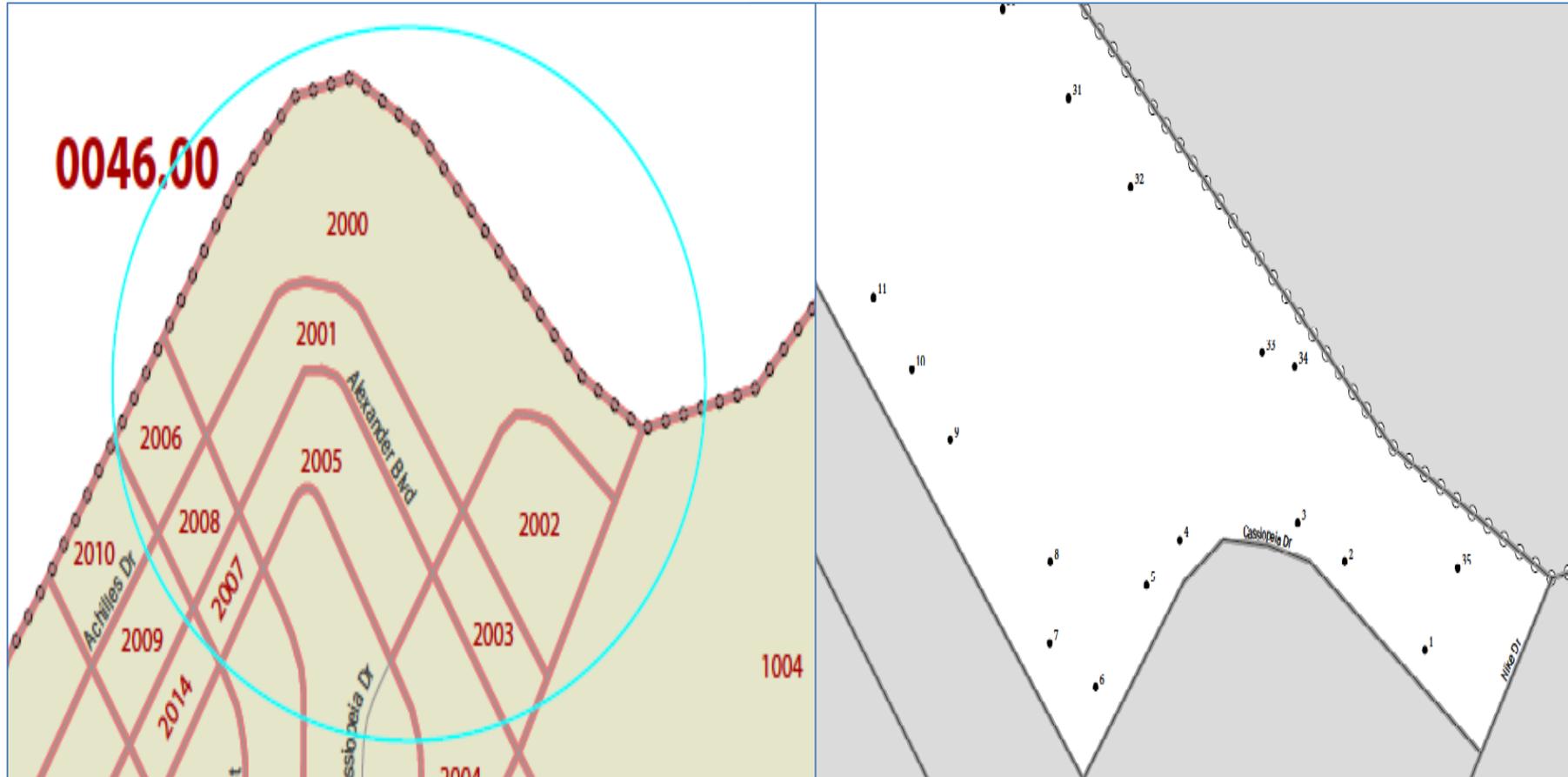
- Available to all governments
- Two types of paper map materials:
  - Large format (42" x 36") maps
  - DVD of Adobe small format (8.5" x 14") census block maps

### Digital

- Available to all governments
- TIGER partnership shapefiles (LUCA specific)
- Utilize GIS software

# Local Update of Census Addresses

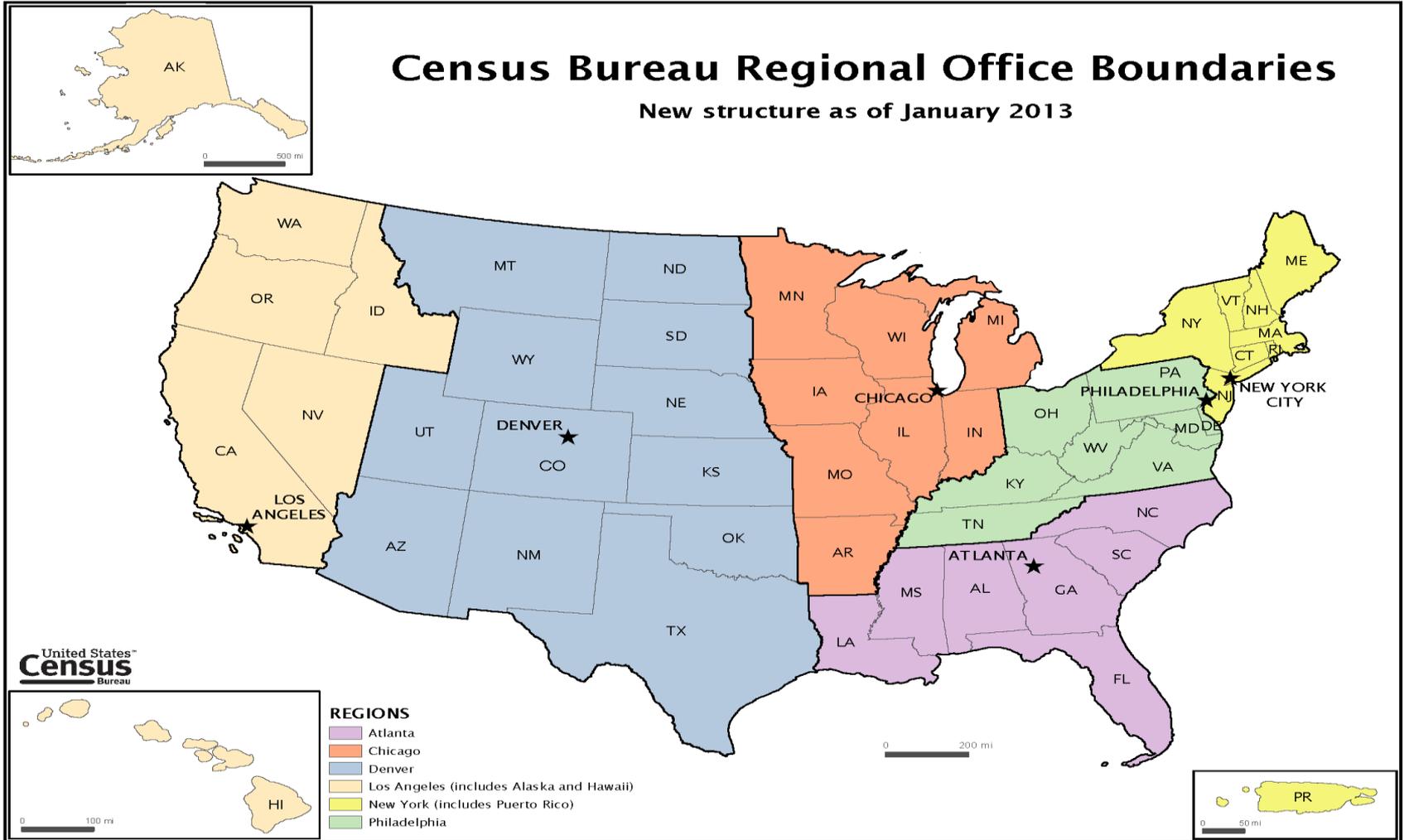
## Paper Maps



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# Local Update of Census Addresses

## Regional Office Coordination



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## Schedule

Activity	Date	
Advance notice mailed to Highest Elected Officials, Tribal Chairs, Governors, and other LUCA contacts	January 2017	✓
LUCA promotional workshops begin	March 2017	✓
LUCA invitation and registration materials mailed to Highest Elected Officials, Tribal Chairs, and Governors	July 2017	
LUCA training workshops begin	October 2017	
Participants review and update the Census Bureau's address list	February – April 2018	
Process LUCA submissions	February – September 2018	

# Local Update of Census Addresses

## Questions

- How can organizations work with tribal, state and local governments to promote participation in LUCA and to ensure full coverage in the Census Bureau's address list?
- How can we promote and support the program with fewer resources?

# Connect with Us



Sign up for and manage alerts at  
<https://public.govdelivery.com/accounts/USCENSUS/subscriber/new>



[facebook.com/uscensusbureau](https://facebook.com/uscensusbureau)



More information on the 2020 Census Memorandum Series:  
<http://www.census.gov/programs-surveys/decennial-census/2020-census/planning-management/memo-series.html>



[twitter.com/uscensusbureau](https://twitter.com/uscensusbureau)



More information on the 2020 Census:  
<http://www.census.gov/2020Census>



[youtube.com/user/uscensusbureau](https://youtube.com/user/uscensusbureau)



More information on the American Community Survey:  
<http://www.census.gov/programs-surveys/acs/>



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