2020 Census
Local Update of Census Addresses Operation (LUCA)
Agenda

• The Decennial Census
• Address List Maintenance 2010 - 2020
• LUCA
  – Background
  – Confidentiality and Security
  – Who Can Participate
  – What’s New for LUCA
• Preparation for LUCA Participation
  – Early Tools
  – Participation Methods
    • Product Formats (Address List & Maps)
• Schedule
The Decennial Census

The purpose is to **conduct** a census of population and housing and **disseminate** results to the President, the States and the American People

- Uses of Census data:
  - **Apportioning** representation among states as mandated by Article 1, Section 2 of the US Constitution
  - **Drawing** congressional and state legislative districts, school districts and voting precincts
  - **Distributing** federal dollars
  - **Informing** planning decisions of federal, tribal, state and local government and organizational decisions (e.g., where to locate, size of market, etc.) of businesses and non-profits
Address List Maintenance 2010 - 2020

On-going Maintenance and Update

US Postal Service’s Delivery Sequence File (DSF)
Updates from tribal, state, and local government address lists and commercial address lists
Continuous identification of stability and change

Address Canvassing

Nationwide In-Office Address Canvassing
In-Field Address Canvassing
Annual In-Field data collection, checks, and tests

LUCA

Opportunity to review and update the Census Bureau’s address list for the 2020 Census
Geographic Support System (GSS) Program

• Opportunity for tribal, state, and county governments to provide address and spatial data to the Census Bureau leading up to the decennial census

• Leverages the Census Bureau’s broad partner network to encourage participation

• Recognizes partner governments as a definitive authority for quality address and street data within their communities
LUCA Background

• 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

• Implemented in the support of the 2000 Census and refined to support the 2010 Census

• Requires all liaisons, reviewers, and anyone with access to Title 13 materials to abide by Confidentiality and Security Guidelines
Who can participate in LUCA

• Federally recognized tribes with a reservation and/or off-reservation trust land

• States

• Counties

• Incorporated places
  – Cities, towns, boroughs, or villages

• Minor Civil Divisions
  – Townships
What’s New for 2020 LUCA

- Streamlined participation – Full Address List Review
- Standard software formats for the digital address list
- 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
## Preparation – Early Tools
(2020 Census LUCA Address Block Count files)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>State</td>
<td>County</td>
<td>Tract</td>
<td>BLOCK</td>
<td>BLOCK_GEOID</td>
<td>Total Residential</td>
</tr>
<tr>
<td>2</td>
<td>21</td>
<td>051</td>
<td>9501.00</td>
<td>1000</td>
<td>210519501001000</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>21</td>
<td>051</td>
<td>9501.00</td>
<td>1001</td>
<td>210519501001001</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>21</td>
<td>051</td>
<td>9501.00</td>
<td>1002</td>
<td>210519501001002</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>21</td>
<td>051</td>
<td>9501.00</td>
<td>1003</td>
<td>210519501001003</td>
<td>7</td>
</tr>
<tr>
<td>6</td>
<td>21</td>
<td>051</td>
<td>9501.00</td>
<td>1004</td>
<td>210519501001004</td>
<td>0</td>
</tr>
<tr>
<td>7</td>
<td>21</td>
<td>051</td>
<td>9501.00</td>
<td>1005</td>
<td>210519501001005</td>
<td>0</td>
</tr>
<tr>
<td>8</td>
<td>21</td>
<td>051</td>
<td>9501.00</td>
<td>1006</td>
<td>210519501001006</td>
<td>0</td>
</tr>
<tr>
<td>9</td>
<td>21</td>
<td>051</td>
<td>9501.00</td>
<td>1007</td>
<td>210519501001007</td>
<td>0</td>
</tr>
<tr>
<td>10</td>
<td>21</td>
<td>051</td>
<td>9501.00</td>
<td>1008</td>
<td>210519501001008</td>
<td>2</td>
</tr>
<tr>
<td>11</td>
<td>21</td>
<td>051</td>
<td>9501.00</td>
<td>1009</td>
<td>210519501001009</td>
<td>28</td>
</tr>
<tr>
<td>12</td>
<td>21</td>
<td>051</td>
<td>9501.00</td>
<td>1010</td>
<td>210519501001010</td>
<td>0</td>
</tr>
<tr>
<td>13</td>
<td>21</td>
<td>051</td>
<td>9501.00</td>
<td>1011</td>
<td>210519501001011</td>
<td>37</td>
</tr>
</tbody>
</table>

* No Title 13 data displayed on this slide
Preparation – Early Tools (Census Geocoder)

- Takes individual addresses or file of addresses and obtains approximate coordinates and census geography

- Geocoder updates include:
  - Increasing the maximum number of records for batch processing from 1,000 to 10,000
  - Providing larger governments another means to submit addresses to be geocoded
Preparation – Participation Methods

• **Geographic Update Partnership Software (GUPS)**
  – Custom GIS software for participation in LUCA
  – Pre-packaged to include all LUCA components

• **Paper Format – Address List**
  – Available to governments with 6,000 or fewer addresses
  – Legal size paper - Six addresses per page
  – Separate ‘Add Page’ – four addresses per page
  – Two sorts:
    • Street Name/House Number
    • Census Tract/Census Block/Street Name/ House Number

• **Digital Format – Address List**
  – Available to all governments
  – Excel (.xlsx) or Comma Delimited Text (.csv) format
  – No separate ‘Add Page’
Preparation – Map Formats

• 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
Preparation – Next Steps (Participant)

• **Prepare** (now!)

• **Register** to participate (July 2017)

• **Attend** a training workshop (Fall/Winter 2017)
  – In-person workshops
  – Self-training aids and Webinars available online

• **Conduct** your LUCA review (Feb-April 2018)
  – **120** calendar days upon receipt of materials to complete review
<table>
<thead>
<tr>
<th>Timeframe</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 2017</td>
<td>Advance Notice mailing sent to Highest Elected Officials (HEOs), Tribal Chairs (TCs), Governors and other potential 2020 LUCA contacts</td>
</tr>
<tr>
<td>March 2017</td>
<td>2020 LUCA Promotional presentations begin</td>
</tr>
<tr>
<td>July 2017</td>
<td>2020 LUCA invitation and registrations materials mailed to HEOs, TCs and Governors</td>
</tr>
<tr>
<td>October 2017</td>
<td>2020 LUCA Training workshops begin</td>
</tr>
<tr>
<td>December 15, 2017</td>
<td><strong>Deadline for 2020 LUCA Registration</strong></td>
</tr>
<tr>
<td>February - April 2018</td>
<td>2020 LUCA materials ship. Participants begin review and update of the Census Bureau’s address list</td>
</tr>
<tr>
<td>February - September 2018</td>
<td>Census Bureau begins processing 2020 LUCA submissions</td>
</tr>
<tr>
<td>August - September 2019</td>
<td>Census Bureau delivers 2020 LUCA feedback</td>
</tr>
<tr>
<td>April 1, 2020</td>
<td><strong>CENSUS DAY</strong></td>
</tr>
</tbody>
</table>
Questions about 2020 LUCA?

Visit the 2020 LUCA website:
https://www.census.gov/geo/partnerships/luca.html

Contact us:
• Geographic Programs Support Desk toll-free telephone number: 1-844-344-0169
• Email: GEO.2020.LUCA@census.gov