#### The South Florida Resident Job Linkage (SFRJL) Reporting Tool

Gannett Fleming, Inc. Southeast Florida FSUTMS User Group Meeting June 13, 2014

#### Motivation

#### Importance of Commuting Data

- Travel demand management programs
- Transit service planning
- Travel demand forecasting
- Community and economic development
- Census Data Products
  - Longitudinal Employer-Household Dynamics (LEHD)
  - Census Transportation Planning Product (CTPP) from American Community Survey (ACS)
    - ▶ 3-year average at county level with population > 20,000
    - ▶ 5-year average at TAZ level with more variables

### Objectives of the SFRJL Reporting Tool

- Make LEHD/CTPP Simple and Easy-to-Use
- Focus on Cities/Census Designated Places (CDP) in Seven South Florida Counties
  - Indian River, St. Lucie, Martin (TCRPM area)
  - Palm Beach, Broward, Miami-Dade (SERPM area)
  - Monroe
- Display Data in Tabular and Graphic Format
- Export Reports in Different Formats

#### Longitudinal Employer-Household Dynamics

- A Program Conducted by the US Census Bureau
- Combines Three Major Data Sources
  - State Unemployment Insurance (UI) earnings data
    - Individual wages and employment
  - Federal Census Administrative Records
    - Demographic Information (age, gender, and place of residence)
  - Joint State and Bureau of Labor Statistics ES 202/ Quarterly Census of Employment and Wages (QCEW)
    - Information on employers (e.g., industry, employment, revenues)
- Creates a Longitudinal (Annual) Linked Employer-Employee Dataset

### LEHD Origin-Destination Data

- Residence Place
- Workplace
- Total Number of Jobs
  - Number of Jobs by Age Groups
    - > 29 or younger; 30-54; 55 or older
  - Number of Jobs by Monthly Earning Groups
    - \$1250 or less; \$1250 to \$3333; \$3333 or more
  - Number of Jobs by Industry Sectors
    - Goods producing; Trade/Transportation/utilities; Other Services

• Available at Census Block Level from 2002 to 2011

## OnTheMap Online Tool

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#### ACS/CTPP Data

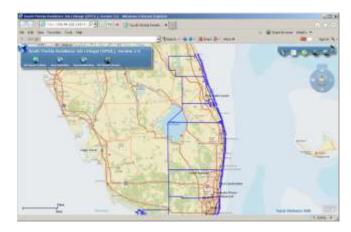
- Based on American Community Survey (ACS)
- Five-year average (2006-2010)
- More variables available
  - Means of Transportation
  - Age Groups
  - Industry Sectors
  - Race
  - Time left for work
  - Travel time to work

#### ACS/CTPP Online Tool

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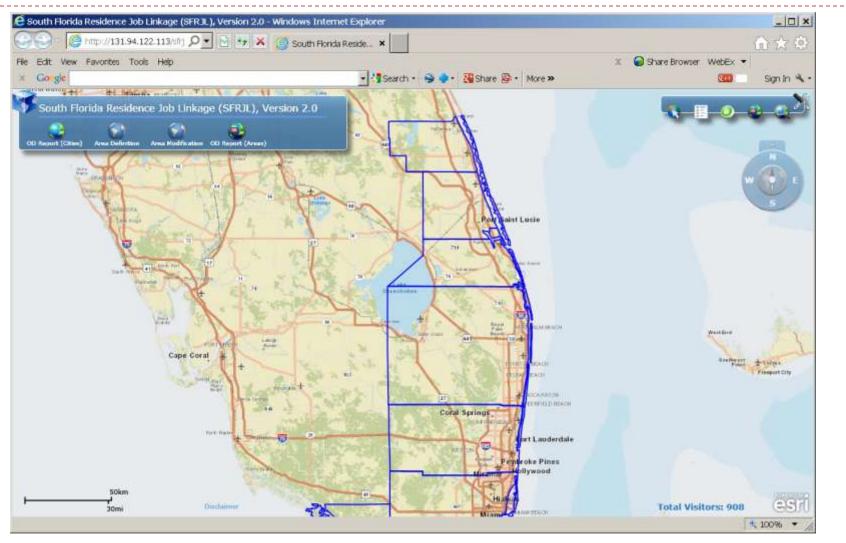
## The SFRJL Reporting Tool

- Two Versions
  - PC version
    - Microsoft Silverlight
    - Fast and Stable
    - Only works on Windows PCs
  - Mobile compatible version
    - Under development
    - All PC functions transferred
    - Accessible across platforms
    - ACS/CTPP integrated
    - Slower

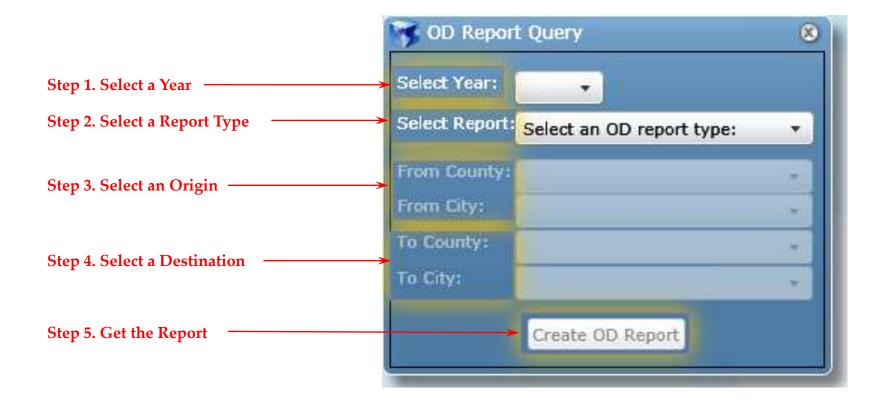


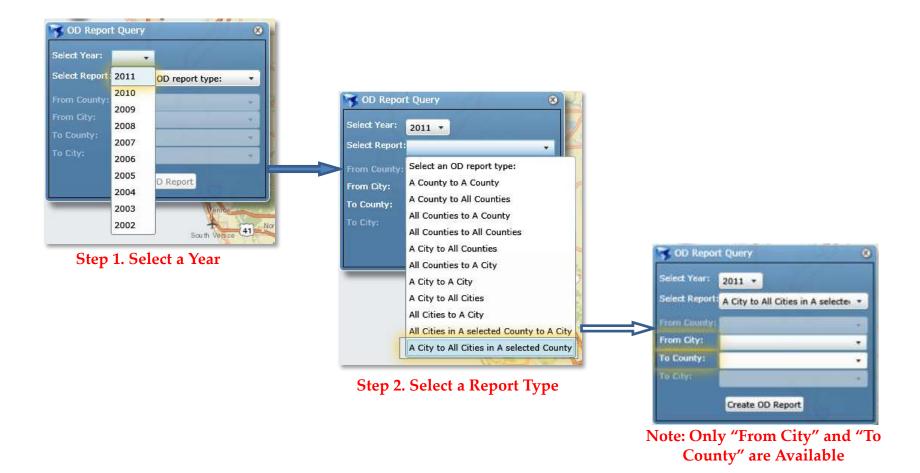


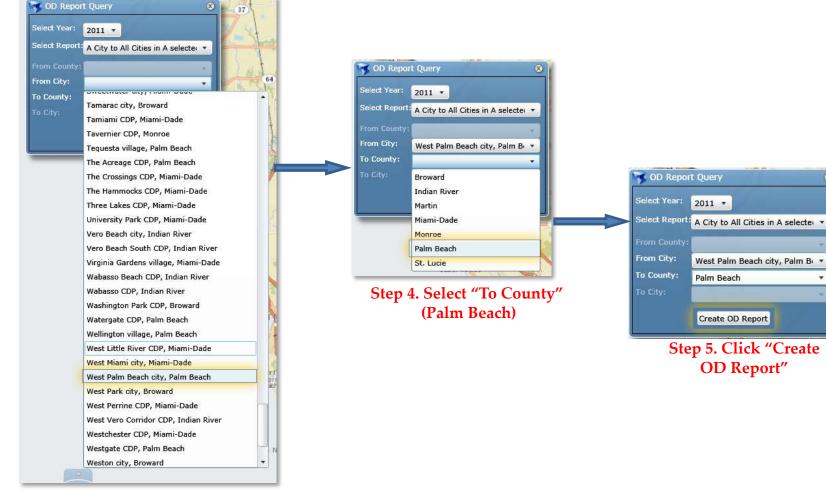
#### SFRJL – PC Version (http://131.94.122.113/sfrjl)



### Five (5) Simple Steps







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# SFRJL – Mobile Compatible Version

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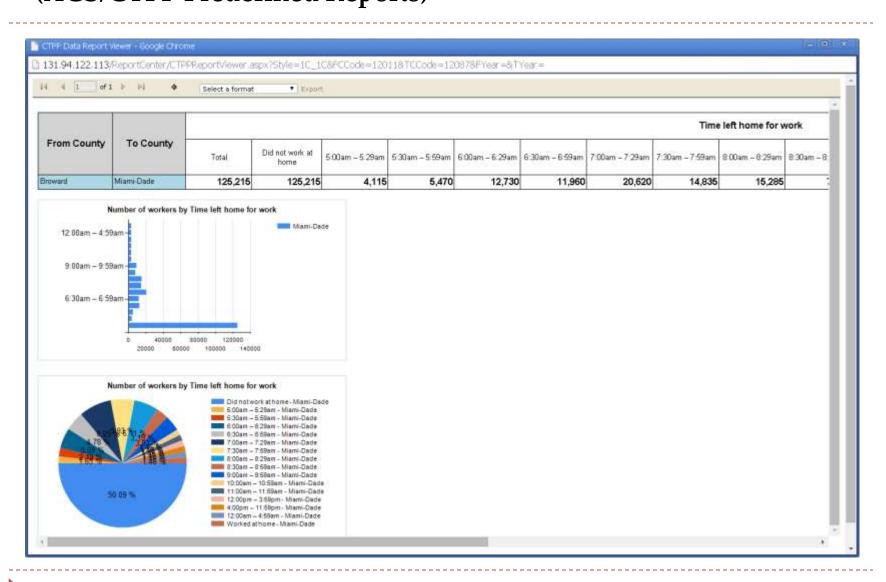
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#### SFRJL – Mobile Compatible Version (ACS/CTPP Predefined Reports)

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