

# TIVERTON, RI

## SOCIOECONOMICS OF SEA LEVEL RISE COASTAL FACTSHEET



### PROJECT OVERVIEW

Rhode Island's municipalities are in the preliminary stages of integrating planning for sea level rise and climate change into their comprehensive planning process. To support these planning efforts of RI cities and towns, RISPP developed the Socioeconomics of Sea Level Rise project. The project aims to assist coastal municipalities in their long-term planning by attempting to identify population characteristics of **the people** located within sea level rise (SLR) inundation zones 1, 3, 5 and 7 FT. The data presented in this factsheet places a focus on Environmental Justice and Title VI populations.

### METHODOLOGY

The RISPP utilized 2010 Decennial Census data and the latest American Community Survey (ACS) estimates to conduct an extensive data analysis. Staff also utilized CRMC's STORMTOOLS GIS shapefiles to identify the SLR inundation zones. In addition, RI Geographic Information Systems (RIGIS) e-911 data was utilized to identify single family, multi-family and mobile home residential points located within each SLR inundation zone. For more information on the methodology, please reference the [full report](#) on our website.

### TIVERTON QUICK FACTS

15,780

2010 Census Population

46.2

2010 Census Median Age

\$73,438

2014 ACS Median Household Income

### TIVERTON'S OCCUPIED RESIDENTIAL UNITS & POPULATION ESTIMATES

Tiverton is one of Rhode Island's 21 coastal communities, located east of Portsmouth, and north of Little Compton, Rhode Island.

Tiverton has an average household size of 2.35 (2010 Census). The average household size and the percentage of occupied housing units were used to calculate a population estimate. Approximately 76-79% of the residential units located within each SLR inundation zone are occupied units. Residential units were identified in GIS using the e-911 shapefile. A combination

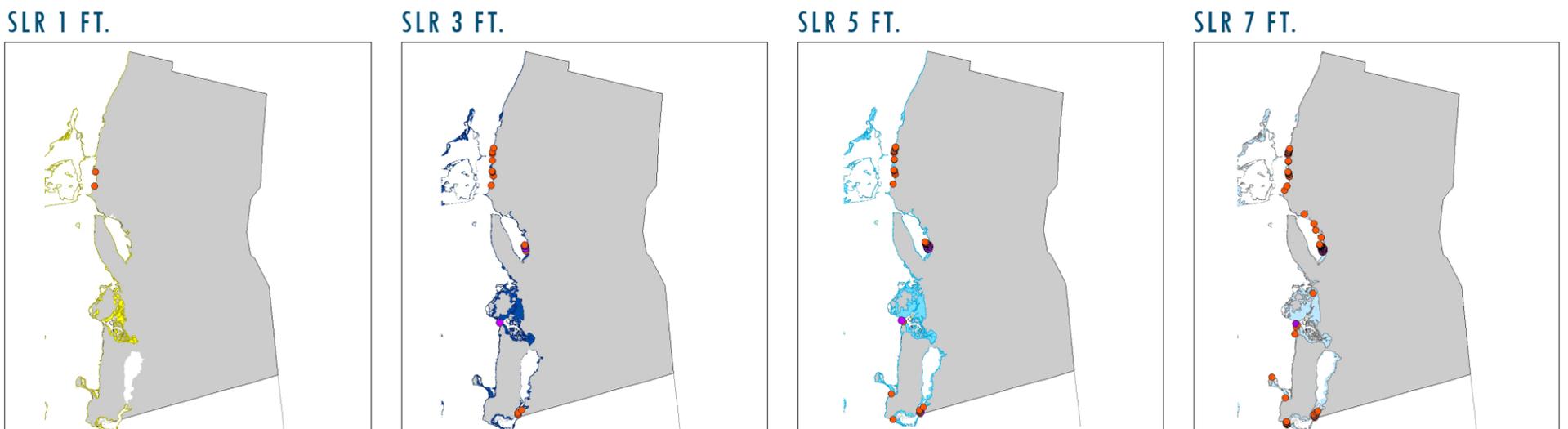
of single family, multi-family and mobile home residential units were identified throughout the various SLR inundation zones. The majority of the units are single family. There is a significant change between the estimated population located in the 3 and 5 FT. inundation zone, with an additional 68 people estimated in the 5 FT. zone. The 7 FT. inundation zone has the greatest population and number of residential units, with 167 people estimated within the zone and 71 occupied residential units.

| SLR Inundation zone | Residential Units      | Occupied Unit calculation (Total Units (x) Occ. Housing Unit Rate in SLR zone) | Population calculation (Occupied Units (x) Tiverton Avg. HH Size) |
|---------------------|------------------------|--|---|
| 1FT.                | 2 SF                   | 2 (76% occ. HU)  | 5   |
| 3FT.                | 19 SF, 6 Mobile        | 19 (78% occ. HU)   | 45  |
| 5FT.                | 41 SF, 20 Mobile       | 48 (79% occ. HU)   | 113   |
| 7FT.                | 67 SF, 1 MF, 21 Mobile | 71 (78% occ. HU)   | 167   |



### SLR INUNDATION ZONES

The maps above illustrate each of the SLR inundation zones. Single family units are represented by orange points in the SLR inundation zone maps, while multi-family units are represented by green points. Purple points signify mobile home units.



# TIVERTON, RI

## SOCIOECONOMICS OF SEA LEVEL RISE COASTAL FACTSHEET



### SLR 1

### SLR 3

### SLR 5

### SLR 7

EST. POPULATION: 5  
EST. OCCUPIED HOUSEHOLDS: 2

EST. POPULATION: 45  
EST. OCCUPIED HOUSEHOLDS: 19

EST. POPULATION: 113  
EST. OCCUPIED HOUSEHOLDS: 48

EST. POPULATION: 167  
EST. OCCUPIED HOUSEHOLDS: 71

**99% or 5** - White  
**0%** - Black  
**0%** - American Indian/  
Alaska Native  
**0%** - Asian  
**1% or 0.04** - Hispanic  
**2% or 0.1** - Minority

**97% or 44** - White  
**1% or 0.2** - Black  
**0%** - American Indian/  
Alaska Native  
**2% or 1** - Asian  
**1% or 0.3** - Hispanic  
**4% or 2** - Minority

**97% or 110** - White  
**0%** - Black  
**0%** - American Indian/  
Alaska Native  
**1% or 2** - Asian  
**1% or 1** - Hispanic  
**3% or 4** - Minority

**97% or 162** - White  
**0.4% or 1** - Black  
**0%** - American Indian/  
Alaska Native  
**1% or 2** - Asian  
**1% or 1** - Hispanic  
**3% or 6** - Minority



**10% or 0.2** are Individuals with Disabilities

**8% or 2** are Individuals with Disabilities

**8% or 5** are Individuals with Disabilities

**8% or 8** are Individuals with Disabilities

**0% or 0** are Limited English Proficiency Households

**1% or 0.1** are Limited English Proficiency Households

**1% or 0.3** are Limited English Proficiency Households

**1% or 0.4** are Limited English Proficiency Households

**8% or 0.3** are Unemployed

**8% or 3** are Unemployed

**8% or 7** are Unemployed

**8% or 11** are Unemployed

**6% or 0.3** are Individuals Below Poverty Level

**5% or 2** are Individuals Below Poverty Level

**5% or 6** are Individuals Below Poverty Level

**5% or 9** are Individuals Below Poverty Level

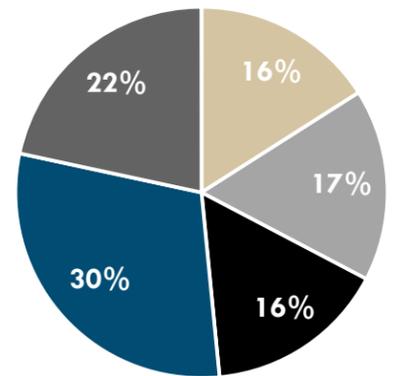
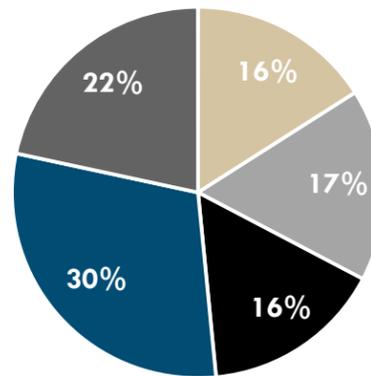
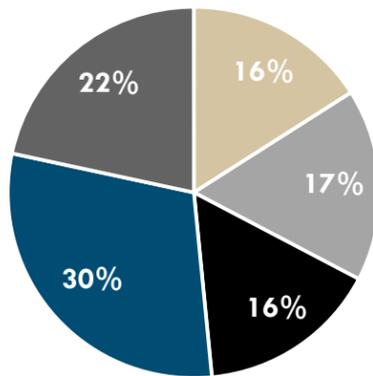
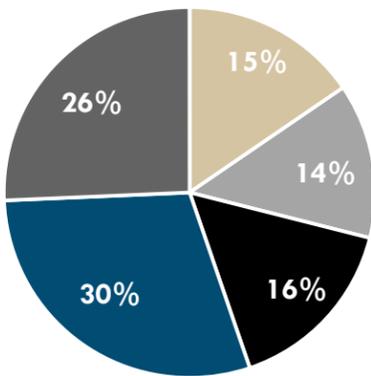
**4% or 0.1** Households receive SSI

**3% or 1** Households receive SSI

**3% or 2** Households receive SSI

**3% or 2** Households receive SSI

- In Estimated Occupied Housing Units



■ Less than 24,999K ■ 25,000 to 49,999 ■ 50,000 to 74,999 ■ 75,000 to 124,999 ■ 125,000 and up

- Percent of Population in Housing Type

**16% Renter Occupied**  
**21% Owned Outright**

**17% Renter Occupied**  
**22% Owned Outright**

**17% Renter Occupied**  
**22% Owned Outright**

**17% Renter Occupied**  
**22% Owned Outright**



**63%**  
Owned with  
Mortgage/Loan

**61%**  
Owned with  
Mortgage/Loan

**61%**  
Owned with  
Mortgage/Loan

**61%**  
Owned with  
Mortgage/Loan

RACE &  
AGE

SOCIAL  
CHARACTERISTICS

HOUSEHOLD  
INCOME

HOUSEHOLD  
CHARACTERISTICS

# TIVERTON

| Variable Name  | Sea Level Rise (SLR) |             |           |             |            |             |            |             | Count              |
|--|----------------------|-------------|-----------|-------------|------------|-------------|------------|-------------|--------------------|
|  | SLR 1                | SLR 1 %     | SLR 3     | SLR 3 %     | SLR 5      | SLR 5 %     | SLR 7      | SLR 7 %     |                    |
| <b>e911 Housing Unit Total</b>   |                      |             |           |             |            |             |            |             |                    |
| Single Family (R1) Units   | 2                    |             | 19        |             | 41         |             |            |             | 67                 |
| Multifamily (R2) Units with Calculation (*2)   | 0                    |             | 0         |             | 0          |             |            |             | 1*2=2              |
| Mobile Home (R3) Units   | 0                    |             | 6         |             | 20         |             |            |             | 21                 |
| <b>Total Units: Single Family (R1), Multifamily (R2), Mobile Home (R3)</b>   | <b>2</b>             |             | <b>25</b> |             | <b>61</b>  |             |            |             | <b>90</b>          |
| <b>Note:</b> Multifamily unit totals are multiplied by 2 based on the presumption that there are a minimum of two units within each multifamily e911 point |                      |             |           |             |            |             |            |             |                    |
| Variable Name  | Sea Level Rise (SLR) |             |           |             |            |             |            |             | Count & Percentage |
| <b>e911 Occupied Housing Unit Calculation</b>  |                      |             |           |             |            |             |            |             |                    |
| <b>Total Units: Single Family (R1), Multifamily (R2), Mobile Home (R3)</b>   | <b>2</b>             | <b>100%</b> | <b>25</b> | <b>100%</b> | <b>61</b>  | <b>100%</b> | <b>90</b>  | <b>100%</b> |                    |
| Estimated Occupied Units - Count and Percentage  | 2                    | 76%         | 19        | 78%         | 48         | 79%         | 71         | 78%         |                    |
| <b>Population Calculation</b>  |                      |             |           |             |            |             |            |             |                    |
| <b>Estimated Occupied Units</b>  | <b>2</b>             | <b>100%</b> | <b>19</b> | <b>100%</b> | <b>48</b>  | <b>100%</b> | <b>71</b>  | <b>100%</b> |                    |
| Population Estimate= Occupied Units (x) Municipal Avg. Household Size (2.35)   |                      | 2*2.35=5    |           | 19*2.35=45  |            | 48*2.35=113 |            | 71*2.35=167 |                    |
| Race/Hispanic Ethnicity  | SLR 1                | SLR 1 %     | SLR 3     | SLR 3 %     | SLR 5      | SLR 5 %     | SLR 7      | SLR 7 %     |                    |
| <b>Total Population (in Occupied Housing Units)</b>  | <b>5</b>             | <b>100%</b> | <b>45</b> | <b>100%</b> | <b>113</b> | <b>100%</b> | <b>167</b> | <b>100%</b> |                    |
| White  | 5                    | 99%         | 44        | 97%         | 110        | 97%         | 162        | 97%         |                    |
| Black or African American  | 0                    | 0%          | 0.2       | 1%          | 0          | 0%          | 1          | 0.4%        |                    |
| American Indian and Alaska Native  | 0                    | 0%          | 0         | 0%          | 0          | 0%          | 0          | 0%          |                    |
| Asian  | 0                    | 0%          | 1         | 2%          | 2          | 1%          | 2          | 1%          |                    |
| Some Other Race  | 0                    | 0%          | 0         | 0%          | 0          | 0%          | 0          | 0%          |                    |
| Hispanic   | 0.04                 | 1%          | 0.3       | 1%          | 1          | 1%          | 1          | 1%          |                    |
| Non-Hispanic, White Population   | 5                    | 98%         | 43        | 96%         | 109        | 97%         | 161        | 97%         |                    |
| Minority Population (Total Population minus Non-Hispanic, White Population)  | 0.1                  | 2%          | 2         | 4%          | 4          | 3%          | 6          | 3%          |                    |
| Age  | SLR 1                | SLR 1 %     | SLR 3     | SLR 3 %     | SLR 5      | SLR 5 %     | SLR 7      | SLR 7 %     |                    |
| <b>Total Population (in Occupied Housing Units)</b>  | <b>5</b>             | <b>100%</b> | <b>45</b> | <b>100%</b> | <b>113</b> | <b>100%</b> | <b>167</b> | <b>100%</b> |                    |
| Young Children (<5)  | 0                    | 3%          | 2         | 3%          | 4          | 4%          | 6          | 4%          |                    |
| School-Age Children (5-17)   | 1                    | 14%         | 6         | 14%         | 16         | 14%         | 23         | 14%         |                    |
| Age 18-24  | 0                    | 5%          | 2         | 5%          | 6          | 5%          | 8          | 5%          |                    |
| Age 25-44  | 1                    | 17%         | 8         | 18%         | 20         | 18%         | 30         | 18%         |                    |
| Age 45-64  | 2                    | 38%         | 17        | 39%         | 44         | 39%         | 65         | 39%         |                    |
| Age 65-74  | 1                    | 13%         | 5         | 12%         | 13         | 11%         | 19         | 11%         |                    |
| Age ≥75  | 1                    | 10%         | 4         | 9%          | 11         | 9%          | 16         | 9%          |                    |
| Population 16-64 (For Individuals with a disability variable) <sup>+</sup>   | 2                    | 63%         | 28        | 63%         | 71         | 63%         | 104        | 63%         |                    |
| Population ≥25 (For educational attainment variable)   | 4                    | 78%         | 35        | 77%         | 88         | 78%         | 130        | 78%         |                    |
| Population ≥16 (For employment variable) <sup>+</sup>  | 4                    | 83%         | 37        | 83%         | 94         | 83%         | 139        | 83%         |                    |
| Population ≥65 (For age ≥65 in group quarters variable) <sup>+</sup>   | 1                    | 23%         | 9.5       | 21%         | 23         | 21%         | 35         | 21%         |                    |
| Disability   | SLR 1                | SLR 1 %     | SLR 3     | SLR 3 %     | SLR 5      | SLR 5 %     | SLR 7      | SLR 7 %     |                    |
| <b>Total Population (in Occupied Housing Units, age 16-64)</b>   | <b>2</b>             | <b>100%</b> | <b>28</b> | <b>100%</b> | <b>71</b>  | <b>100%</b> | <b>104</b> | <b>100%</b> |                    |
| Individuals with Disabilities  | 0.2                  | 10%         | 2         | 8%          | 5          | 8%          | 8          | 8%          |                    |
| Limited English Proficiency (LEP)  | SLR 1                | SLR 1 %     | SLR 3     | SLR 3 %     | SLR 5      | SLR 5 %     | SLR 7      | SLR 7 %     |                    |
| <b>Estimated Occupied Housing Units</b>  | <b>2</b>             | <b>100%</b> | <b>19</b> | <b>100%</b> | <b>48</b>  | <b>100%</b> | <b>71</b>  | <b>100%</b> |                    |
| Limited English Proficiency Households   | 0                    | 0%          | 0.1       | 1%          | 0.3        | 1%          | 0.4        | 1%          |                    |
| Educational Attainment   | SLR 1                | SLR 1 %     | SLR 3     | SLR 3 %     | SLR 5      | SLR 5 %     | SLR 7      | SLR 7 %     |                    |
| <b>Total Population (in Occupied Housing Units, age ≥25)</b>   | <b>4</b>             | <b>100%</b> | <b>35</b> | <b>100%</b> | <b>88</b>  | <b>100%</b> | <b>130</b> | <b>100%</b> |                    |
| Less than a High School Diploma or Equivalent  | 0.4                  | 9%          | 3         | 10%         | 9          | 10%         | 13         | 10%         |                    |
| High School Diploma or GED   | 1                    | 28%         | 10        | 29%         | 25         | 29%         | 37         | 29%         |                    |
| Professional School  | 0.1                  | 3%          | 1         | 2%          | 2          | 2%          | 3          | 2%          |                    |
| Associate's/Bachelor's   | 1                    | 32%         | 11        | 32%         | 28         | 32%         | 41         | 32%         |                    |
| Master's/PhD   | 0.5                  | 12%         | 4         | 11%         | 10         | 11%         | 14         | 11%         |                    |
| Other (Some College)   | 1                    | 17%         | 6         | 17%         | 15         | 17%         | 22         | 17%         |                    |
| Employment   | SLR 1                | SLR 1 %     | SLR 3     | SLR 3 %     | SLR 5      | SLR 5 %     | SLR 7      | SLR 7 %     |                    |
| <b>Total Population (in Occupied Housing Units, age ≥16)</b>   | <b>4</b>             | <b>100%</b> | <b>37</b> | <b>100%</b> | <b>94</b>  | <b>100%</b> | <b>139</b> | <b>100%</b> |                    |
| Employed   | 4                    | 91%         | 34        | 92%         | 86         | 92%         | 128        | 92%         |                    |
| Unemployed   | 0.3                  | 8%          | 3         | 8%          | 7          | 8%          | 11         | 8%          |                    |
| Job Industry †   | SLR 1                | SLR 1 %     | SLR 3     | SLR 3 %     | SLR 5      | SLR 5 %     | SLR 7      | SLR 7 %     |                    |
| <b>Total Population (age ≥16 and employed)</b>   | <b>4</b>             | <b>100%</b> | <b>34</b> | <b>100%</b> | <b>86</b>  | <b>100%</b> | <b>128</b> | <b>100%</b> |                    |
| Agriculture, forestry, fishing & hunting, mining   | 0.1                  | 1%          | 0.5       | 1%          | 1          | 1%          | 2          | 1%          |                    |
| Construction   | 0.3                  | 7%          | 2         | 7%          | 6          | 7%          | 9          | 7%          |                    |
| Manufacturing  | 0.4                  | 12%         | 4         | 12%         | 10         | 12%         | 15         | 12%         |                    |
| Wholesale trade  | 0.1                  | 2%          | 1         | 2%          | 2          | 2%          | 3          | 2%          |                    |
| Retail trade   | 0.4                  | 10%         | 3         | 10%         | 8          | 10%         | 12         | 10%         |                    |
| Transportation & warehousing, utilities  | 0.1                  | 3%          | 1         | 3%          | 2          | 3%          | 3          | 3%          |                    |
| Information  | 0.0                  | 1%          | 0.5       | 1%          | 1          | 1%          | 2          | 1%          |                    |
| Finance & insurance, real estate, rental & leasing   | 0.3                  | 9%          | 3         | 9%          | 8          | 9%          | 11         | 9%          |                    |
| Professional, scientific, management, administrative, waste management services  | 0.3                  | 9%          | 3         | 9%          | 8          | 9%          | 11         | 9%          |                    |
| Educational services, health care, social assistance   | 1                    | 26%         | 9         | 26%         | 22         | 26%         | 33         | 26%         |                    |
| Arts, entertainment, recreation, accommodation & food services   | 0.4                  | 9%          | 3         | 9%          | 8          | 9%          | 12         | 9%          |                    |
| Other services (except public administration)  | 0.2                  | 6%          | 2         | 6%          | 5          | 6%          | 7          | 6%          |                    |
| Public administration  | 0.2                  | 5%          | 2         | 5%          | 5          | 5%          | 7          | 5%          |                    |
| Income   | SLR 1                | SLR 1 %     | SLR 3     | SLR 3 %     | SLR 5      | SLR 5 %     | SLR 7      | SLR 7 %     |                    |
| <b>Estimated Occupied Housing Units</b>  | <b>2</b>             | <b>100%</b> | <b>19</b> | <b>100%</b> | <b>48</b>  | <b>100%</b> | <b>71</b>  | <b>100%</b> |                    |
| Less than \$24,999K  | 0.3                  | 15%         | 3         | 16%         | 8          | 16%         | 11         | 16%         |                    |
| \$25,000 to 49,999   | 0.3                  | 14%         | 3         | 17%         | 8          | 17%         | 12         | 17%         |                    |
| \$50,000 to 74,999   | 0.3                  | 16%         | 3         | 16%         | 8          | 16%         | 11         | 16%         |                    |
| \$75,000 to 124,999  | 1                    | 30%         | 6         | 30%         | 14         | 30%         | 21         | 30%         |                    |
| \$125,000 and greater  | 1                    | 26%         | 4         | 22%         | 10         | 22%         | 15         | 22%         |                    |
| <b>Total Population (in Occupied Housing Units)</b>  | <b>5</b>             | <b>100%</b> | <b>45</b> | <b>100%</b> | <b>113</b> | <b>100%</b> | <b>167</b> | <b>100%</b> |                    |
| Income Below Poverty Level   | 0.3                  | 6%          | 2         | 5%          | 6          | 5%          | 9          | 5%          |                    |
| Income Above Poverty Level   | 5                    | 94%         | 43        | 95%         | 107        | 95%         | 158        | 95%         |                    |
| <b>Estimated Occupied Housing Units</b>  | <b>2</b>             | <b>100%</b> | <b>19</b> | <b>100%</b> | <b>48</b>  | <b>100%</b> | <b>71</b>  | <b>100%</b> |                    |
| With Social Security Income (SSI) Households   | 0.1                  | 4%          | 1         | 3%          | 2          | 3%          | 2          | 3%          |                    |
| Without Social Security Income (SSI) Households  | 2                    | 96%         | 18        | 97%         | 46         | 97%         | 69         | 97%         |                    |
| Housing Occupancy  | SLR 1                | SLR 1 %     | SLR 3     | SLR 3 %     | SLR 5      | SLR 5 %     | SLR 7      | SLR 7 %     |                    |
| <b>Total Housing Units</b>   | <b>2</b>             | <b>100%</b> | <b>25</b> | <b>100%</b> | <b>61</b>  | <b>100%</b> | <b>90</b>  | <b>100%</b> |                    |
| Occupied Housing Units   | 2                    | 76%         | 19        | 78%         | 48         | 79%         | 71         | 78%         |                    |
| Vacant Housing Units   | 0                    | 24%         | 6         | 22%         | 13         | 21%         | 19         | 22%         |                    |
| <b>Estimated Occupied Housing Units</b>  | <b>2</b>             | <b>100%</b> | <b>19</b> | <b>100%</b> | <b>48</b>  | <b>100%</b> | <b>71</b>  | <b>100%</b> |                    |
| Owner-Occupied Housing Units   | 1                    | 87%         | 17        | 87%         | 41         | 85%         | 60         | 85%         |                    |
| Renter-Occupied Housing Units  | 0.2                  | 13%         | 3         | 13%         | 7          | 15%         | 11         | 15%         |                    |
| <b>Total Population (in Occupied Housing Units)</b>  | <b>5</b>             | <b>100%</b> | <b>45</b> | <b>100%</b> | <b>113</b> | <b>100%</b> | <b>167</b> | <b>100%</b> |                    |
| Population in Group Quarters   | 0                    | 0%          | 0         | 0%          | 0          | 0%          | 0          | 0%          |                    |
| <b>Total Population (age ≥65)</b>  | <b>1</b>             | <b>100%</b> | <b>9</b>  | <b>100%</b> | <b>23</b>  | <b>100%</b> | <b>35</b>  | <b>100%</b> |                    |
| Age ≥65 in Group Quarters <sup>+</sup>   | 0.02                 | 2%          | 0.1       | 1%          | 0.3        | 1%          | 0.4        | 1%          |                    |
| Housing Tenure*  | SLR 1                | SLR 1 %     | SLR 3     | SLR 3 %     | SLR 5      | SLR 5 %     | SLR 7      | SLR 7 %     |                    |
| <b>Total Population (in Occupied Housing Units)</b>  | <b>5</b>             | <b>100%</b> | <b>45</b> | <b>100%</b> | <b>113</b> | <b>100%</b> | <b>167</b> | <b>100%</b> |                    |
| Population in Property Owned with mortgage or loan   | 3                    | 63%         | 28        | 61%         | 69         | 61%         | 103        | 61%         |                    |
| Population in Property Owned free and clear  | 1                    | 21%         | 10        | 22%         | 24         | 22%         | 36         | 22%         |                    |
| Population in Renter-Occupied Units  | 1                    | 16%         | 8         | 17%         | 19         | 17%         | 28         | 17%         |                    |
| Employment and Business Unit Data‡   |                      |             |           |             |            |             |            |             | Count              |
| <b>Average Employment - Municipality</b>   |                      |             |           |             |            |             |            |             | <b>2623</b>        |
| <b>Number of Units (Business - Private and Government)</b>   |                      |             |           |             |            |             |            |             | <b>354</b>         |
| <b>Average Number of Workers per Unit (Business - Private and Government)</b>  |                      |             |           |             |            |             |            |             | <b>7</b>           |
| Workers Per Commercial Unit  |                      |             |           |             |            |             |            |             | SLR 3              |
| e911 Commercial Unit Total   |                      |             |           |             |            |             |            |             | 5                  |
| Average Number of Workers/Jobs per Commercial Unit   |                      |             |           |             |            |             |            |             | 37                 |
|  |                      |             |           |             |            |             |            |             | 9                  |
|  |                      |             |           |             |            |             |            |             | 67                 |
|  |                      |             |           |             |            |             |            |             | 89                 |

HOUSING UNITS & POPULATION

DEMOGRAPHIC  
Block Level and Block Group Data

SOCIAL  
Block Group Data

ECONOMIC  
Block Group Data and Municipal Level Data†

HOUSING  
Block Level and Block Group Data

JOBS  
Municipal Data‡ & e911 Data