West Warwick Comprehensive Plan
Public Forum #2
April 28, 2016
Agenda

- Introductions
- What is a Comprehensive Plan?
- Purpose, Process, and Overview
- Today’s Topics
  - Traffic and Circulation
  - Housing and Economic Development
  - Natural Hazards
  - Historic Resources
- Questions and Answers
- Interactive Exercises
- Report Back and Next Steps
Purpose: State of Rhode Island

- Provide for protection, development, use, and management of our land and natural resources;
- Promote the appropriate use of land;
- Provide for the coordination of growth and the intensity of development with provisions for services and facilities;
- Provide a basis for municipal and state initiatives to ensure all citizens have access to a range of housing choices, including the availability of affordable housing for all income levels and age groups; and
- Recognize and address potentially conflicting land uses as well as shared resources in contiguous municipalities and encourage cooperative planning efforts by municipalities.

*The Comprehensive Planning and Land Use Regulation Act* requires that municipalities in Rhode Island plan for their future development.
Purpose: Local Comprehensive Plan

- Guide local decision making
  - Policy document
  - Vision
  - Goals, policies, and actions

- Goals of local comprehensive plans must be consistent with state goals (State Guide Plan and Rhode Island General Laws)

- Local land use regulations – zoning ordinance, subdivision and other land development regulations – must be consistent with the local comprehensive plan
Purpose, Process, and Overview

Process

- Steering Committee Meetings
  - Monthly Meetings
- Public Meetings
  - March 15
  - April 28
  - June
- Approval Process
  - Public hearing by Town Council and Planning Board
  - Adopted by Town Council as an ordinance
Plan Elements

State Format

- 1. Executive Summary
- 2. Planning for Natural Resources
- 3. Planning for Recreation
- 4. Planning for Historic & Cultural Resources
- 5. Housing
- 6. Planning for Economic Development
- 7. Planning for Agriculture
- 8. Planning for Services and Facilities
- 9. Planning for Energy
- 10. Planning for Water Supply
- 11. Planning for Transportation
- 12. Planning for National Hazards & Climate Change
- 13. Planning for Land Use
- 14. The Implementation Program
Plan Elements

March 15 Public Forum

- 1. Executive Summary
- 2. Planning for Natural Resources
- 3. Planning for Recreation
- 4. Planning for Historic & Cultural Resources
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- 7. Planning for Agriculture
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- 10. Planning for Water Supply
- 11. Planning for Transportation
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- 13. Planning for Land Use
- 14. The Implementation Program
Today: April Public Forum

- 1. Executive Summary
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- 7. Planning for Agriculture
- 8. Planning for Services and Facilities
- 9. Planning for Energy
- 10. Planning for Water Supply
- 11. Planning for Transportation
- 12. Planning for National Hazards & Climate Change
- 13. Planning for Land Use
- 14. The Implementation Program
Traffic and Circulation

- Transportation evaluation considers:
  - Roads and highways
    - Vehicle classification
    - Accidents
    - Functional classification
    - Scheduled improvements
  - Public Transportation
  - Trails and Pedestrian Walkways
  - Bicycle Facilities
  - Parking
  - Rail Facilities
Plan Elements: Transportation and Circulation

Transportation Evaluation

- Obtained available on-line transportation data
  - RIDOT
  - Town of West Warwick
- Reviewed available previous studies
- Held stakeholder interviews
- On-going field verification and assessment
Plan Elements: Transportation and Circulation

Transportation Facilities

- **Roadway**
  - Total of 35.4 miles of roadway calculated
  - 5.6 miles more than noted in the 1992 plan
  - Increase is attributed to roadways that border the Town
  - Excludes local roads

- **Bicycle Facilities**
  - Washington Secondary Bike Path

- **State programmed improvements**
  - Highway striping, resurfacing, and guardrail on state facilities
  - Pedestrian and safety improvements on local roads
Traffic Volumes

- Most recent available traffic data was collected between 2004-2008
- In general, decline in traffic volumes over the last 16 years with some increase on Quaker Lane (Route 2)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bald Hill Road (Route 2)</td>
<td>38,100</td>
<td>19,200</td>
</tr>
<tr>
<td>Quaker Lane (Route 2)</td>
<td>24,000</td>
<td>29,300</td>
</tr>
<tr>
<td>Centerville Road (Route 117)</td>
<td>18,400</td>
<td>12,600</td>
</tr>
<tr>
<td>Washington Street (Route 33 and Route 117)</td>
<td>13,500</td>
<td>13,800</td>
</tr>
<tr>
<td>Tiogue Avenue (Route 3)</td>
<td>22,700</td>
<td>17,500</td>
</tr>
</tbody>
</table>
Plan Elements: Transportation and Circulation

Traffic Volumes

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</tr>
<tr>
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<td>22,700</td>
<td>17,500</td>
</tr>
</tbody>
</table>
Plan Elements: Transportation and Circulation

RIPTA Bus Service Routes

- Three bus routes
  - 29 Kent County
  - 13 Coventry/Artic/Warwick Mall
  - 12X Arctic/Route 117 Express
- Primary service of operations between 5 AM and 9 PM
### RIPTA Bus Service

<table>
<thead>
<tr>
<th>Transit Routes</th>
<th>Frequency</th>
<th>Bus Stop Locations</th>
</tr>
</thead>
<tbody>
<tr>
<td>29 Kent County</td>
<td>30 minutes</td>
<td>Arctic Center</td>
</tr>
<tr>
<td>13 Coventry/Artic/Warwick Mall</td>
<td>Varies – weekday 100 minutes - weekend</td>
<td>Arctic Center</td>
</tr>
<tr>
<td>12X Arctic/Route 117 Express</td>
<td>90 minutes</td>
<td>Arctic Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Phenix Hotel</td>
</tr>
</tbody>
</table>
Plan Elements: Transportation and Circulation

Transit

- Senior Center Services
  - Transportation provided for:
    - Daily lunch program (Monday – Friday)
    - Meal program on Tuesday evening and Saturday morning
    - Weekday trips to local shops and restaurants
    - Bingo on Friday evenings

- Logisticare
  - Private dial-a-ride service
  - Operates weekdays between 10AM – 2PM to Senior Center
  - Transportation for medical services are by appointment
Transportation Concerns

- Need for improved public transportation
  - Connections to New York and east coast
  - More direct service to areas of interest
  - Connections to other modes; i.e. airport
- Lack of efficient dial-a-ride services for medical appointments for seniors
- Lack of sidewalks
- Limited access to the River walk
- Roadway hot spots
  - Main Street & New London Avenue – nontraditional four legged intersection
  - Circulation/Access in village area - one-way streets provide:
    - Limited direct access to businesses
    - Higher travel speeds on-way streets
    - Circuitous access
    - Less pass-by traffic in the core of the Village
- Supportive transportation network for redevelopment and future development

Themes: Traffic and Circulation

- Improvement of vehicular circulation
- Physical improvements to local streets and streetscapes
- Parking creation, improvements, and maintenance
- Improvements to pedestrian and bicycle connections throughout town
Plan Elements: Historic and Cultural Resources

Topics from State Handbook

- Residential
  - Distinctive or traditional local housing traditions, styles
  - Homes and gardens that are of architectural or historic importance
  - Neighborhoods

- Commercial
  - Districts, marketplaces, individual buildings

- Industrial
  - Mills, factories
  - Locally significant industries
  - Traditional occupations or skills

Plan Elements: Historic and Cultural Resources

Topics from State Handbook

- **Institutional**
  - Districts and individual buildings of architectural, cultural, or historic importance
  - Religious buildings, schools, etc.

- **Transportation**
  - Roadways, bridges
  - Railroad track, structures, buildings
  - Pedestrian ways, footpaths, or trails

- **Rural**
  - Landscape, barns, farm complexes

- **Other Historic, Archaeological and Cultural Resources**
  - Landmarks, battlegrounds, scenic views, cemeteries

Questions from State Handbook

- What are the current methods of protecting historical and cultural resources?
- How well is the community preserving these resources?
- Are the resources threatened now or in the future because of deterioration, disturbance, or development?
- Do current Town policies create adverse impacts on these resources?


Themes: Historic and Cultural Resources

- Creation of a West Warwick Historic District Commission
- Identify and establish protections for historic resources
  - Grants, design guidelines, development incentives for compliance
- Identify, document, and apply for National Register/State Register status for eligible buildings and sites
- Promote historic resources as a means of driving economic development including tourism and village revitalization
Plan Elements: Housing

Topics from State Handbook

- Neighborhoods
- Housing Types
  - Single-family, multifamily
  - Owner-occupied, rental
  - Occupied, vacant
- Affordable Housing
- Low-to-Moderate Income Housing

Plan Elements: Housing

Questions from State Handbook

- What is the appropriate amount of residential development for the community?
- Is it important to the community that the character of existing neighborhoods be preserved?
- Are there areas of the community in need of rehabilitation or redevelopment?
- What is the appropriate mix of residential uses within the community?
- Are there opportunities for infill residential development?
- How can the goals of the community demonstrate commitment to the ideal that every resident have an affordable, safe and secure place to live?

Housing Trends in West Warwick and Kent County

Prepared by

FXM Associates
Population projected to decline by 800 persons (-3%) between 2015 and 2040 – State overall projected to grow by 2%

### Projected Population, 2010-2040

<table>
<thead>
<tr>
<th></th>
<th>West Warwick</th>
<th>% △, 5-year</th>
<th>State of RI</th>
<th>% △, 5-year</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>29,191</td>
<td></td>
<td>1,052,567</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>28,720</td>
<td>-1.6%</td>
<td>1,046,327</td>
<td>-0.6%</td>
</tr>
<tr>
<td>2020</td>
<td>28,502</td>
<td>-0.8%</td>
<td>1,049,177</td>
<td>0.3%</td>
</tr>
<tr>
<td>2025</td>
<td>28,548</td>
<td>0.2%</td>
<td>1,061,796</td>
<td>1.2%</td>
</tr>
<tr>
<td>2030</td>
<td>28,496</td>
<td>-0.2%</td>
<td>1,070,677</td>
<td>0.8%</td>
</tr>
<tr>
<td>2035</td>
<td>28,288</td>
<td>-0.7%</td>
<td>1,073,799</td>
<td>0.3%</td>
</tr>
<tr>
<td>2040</td>
<td>27,902</td>
<td>-1.4%</td>
<td>1,070,304</td>
<td>-0.3%</td>
</tr>
</tbody>
</table>

Household incomes lower than in Kent County overall

### Estimated Household Incomes 2015

<table>
<thead>
<tr>
<th>Income</th>
<th>West Warwick</th>
<th>Kent County</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; $15,000</td>
<td>1,864</td>
<td>7,549</td>
</tr>
<tr>
<td>$15,000 - $24,999</td>
<td>1,183</td>
<td>6,192</td>
</tr>
<tr>
<td>$25,000 - $34,999</td>
<td>937</td>
<td>5,343</td>
</tr>
<tr>
<td>$35,000 - $49,999</td>
<td>2,150</td>
<td>8,746</td>
</tr>
<tr>
<td>$50,000 - $74,999</td>
<td>2,303</td>
<td>12,996</td>
</tr>
<tr>
<td>$75,000 - $99,999</td>
<td>1,697</td>
<td>9,375</td>
</tr>
<tr>
<td>$100,000 - $124,999</td>
<td>1,212</td>
<td>6,770</td>
</tr>
<tr>
<td>$125,000 - $149,999</td>
<td>628</td>
<td>4,098</td>
</tr>
<tr>
<td>$150,000 - $199,999</td>
<td>424</td>
<td>4,249</td>
</tr>
<tr>
<td>$200,000 - $249,999</td>
<td>123</td>
<td>1,514</td>
</tr>
<tr>
<td>$250,000 - $499,999</td>
<td>91</td>
<td>1,371</td>
</tr>
<tr>
<td>$500,000+</td>
<td>11</td>
<td>373</td>
</tr>
<tr>
<td></td>
<td>12,623</td>
<td>68,576</td>
</tr>
</tbody>
</table>

Estimated average household income: $64,113 for West Warwick, $78,756 for Kent County.

Estimated median household income: $51,927 for West Warwick, $62,423 for Kent County.

Source: U.S. Census; The Nielsen Company, 2015; and FXM Associates
58% (7,271) of all households (12,623) in West Warwick are families; of these family households 8% have incomes below poverty level

### Poverty Status of West Warwick Families

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015 Est. Families by Poverty Status</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015 Families at or Above Poverty</td>
<td>6,684</td>
<td>91.9%</td>
</tr>
<tr>
<td>2015 Families at or Above Poverty with Children</td>
<td>2,570</td>
<td>35.3%</td>
</tr>
<tr>
<td>2015 Families Below Poverty</td>
<td>587</td>
<td>8.1%</td>
</tr>
<tr>
<td>2015 Families Below Poverty with Children</td>
<td>518</td>
<td>7.1%</td>
</tr>
<tr>
<td><strong>Total families</strong></td>
<td><strong>7,271</strong></td>
<td></td>
</tr>
</tbody>
</table>

Source: U.S. Census; The Nielsen Company, 2015; and FXM Associates
### Householder Income by Age Group

#### West Warwick 2015

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Total over $72,000</th>
<th>Total over $84,000</th>
<th>Total over $96,000</th>
<th>Total over $108,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age 15 - 24</td>
<td>36</td>
<td>28</td>
<td>18</td>
<td>8</td>
</tr>
<tr>
<td>Age 25 - 34</td>
<td>1,064</td>
<td>799</td>
<td>453</td>
<td>201</td>
</tr>
<tr>
<td>Age 35 - 44</td>
<td>1,260</td>
<td>1,002</td>
<td>636</td>
<td>313</td>
</tr>
<tr>
<td>Age 45 - 54</td>
<td>1,191</td>
<td>1,005</td>
<td>631</td>
<td>403</td>
</tr>
<tr>
<td>Age 55 - 64</td>
<td>1,168</td>
<td>964</td>
<td>584</td>
<td>364</td>
</tr>
<tr>
<td>Age 65 - 74</td>
<td>1,168</td>
<td>964</td>
<td>584</td>
<td>364</td>
</tr>
<tr>
<td>Age 75 - 84</td>
<td>133</td>
<td>167</td>
<td>126</td>
<td>72</td>
</tr>
<tr>
<td>Age 85+</td>
<td>167</td>
<td>126</td>
<td>72</td>
<td>38</td>
</tr>
</tbody>
</table>

Note: Numbers in the chart represent the number of households in each age group that fall into the specified income brackets.
Householder Income by Age Group
West Warwick
2020

Number of Households

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Total over $72,000</th>
<th>Total over $84,000</th>
<th>Total over $96,000</th>
<th>Total over $108,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-24</td>
<td>883</td>
<td>668</td>
<td>179</td>
<td>10</td>
</tr>
<tr>
<td>25-34</td>
<td>1,469</td>
<td>1,196</td>
<td>430</td>
<td>22</td>
</tr>
<tr>
<td>35-44</td>
<td>1,196</td>
<td>798</td>
<td>699</td>
<td>22</td>
</tr>
<tr>
<td>45-54</td>
<td>1,196</td>
<td>1,223</td>
<td>705</td>
<td>10</td>
</tr>
<tr>
<td>55-64</td>
<td>1,196</td>
<td>1,301</td>
<td>631</td>
<td>10</td>
</tr>
<tr>
<td>65-74</td>
<td>1,196</td>
<td>1,091</td>
<td>631</td>
<td>10</td>
</tr>
<tr>
<td>75-84</td>
<td>789</td>
<td>789</td>
<td>393</td>
<td>85</td>
</tr>
<tr>
<td>85+</td>
<td>191</td>
<td>191</td>
<td>19</td>
<td>64</td>
</tr>
</tbody>
</table>
Change in Number of Households by Age and Income
West Warwick
2015-2020

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Total over $72,000</th>
<th>Total over $84,000</th>
<th>Total over $96,000</th>
<th>Total over $108,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-24</td>
<td>209</td>
<td>194</td>
<td>162</td>
<td>-67</td>
</tr>
<tr>
<td>25-34</td>
<td>117</td>
<td>31</td>
<td>41</td>
<td>-131</td>
</tr>
<tr>
<td>35-44</td>
<td>79</td>
<td>67</td>
<td>133</td>
<td>-181</td>
</tr>
<tr>
<td>45-54</td>
<td>127</td>
<td>122</td>
<td>113</td>
<td>-181</td>
</tr>
<tr>
<td>55-64</td>
<td>176</td>
<td>98</td>
<td>58</td>
<td>-131</td>
</tr>
<tr>
<td>65-74</td>
<td>142</td>
<td>31</td>
<td>23</td>
<td>-181</td>
</tr>
<tr>
<td>75-84</td>
<td>16</td>
<td>18</td>
<td>15</td>
<td>-131</td>
</tr>
<tr>
<td>85+</td>
<td>12</td>
<td>12</td>
<td>8</td>
<td>-181</td>
</tr>
</tbody>
</table>

Total over $72,000: 612 households
Total over $84,000: 594 households
Total over $96,000: 315 households
Total over $108,000: 120 households
Significantly higher % of renters and housing in 2+ unit structures than Kent County overall

Tenure and Structure Type, West Warwick Housing Stock, 2015 Estimates

<table>
<thead>
<tr>
<th></th>
<th>number</th>
<th>% W.Warwick</th>
<th>% Kent County</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total housing units, 2015</td>
<td>13,884</td>
<td>100%</td>
<td>74,179</td>
</tr>
<tr>
<td>Owner-occupied</td>
<td>6,875</td>
<td>54.5%</td>
<td>71.4%</td>
</tr>
<tr>
<td>Renter-occupied</td>
<td>5748</td>
<td>45.5%</td>
<td>28.6%</td>
</tr>
<tr>
<td>Total occupied</td>
<td>12,623</td>
<td>90.9%</td>
<td>92.0%</td>
</tr>
<tr>
<td>Vacancy rate</td>
<td></td>
<td>9.1%</td>
<td>8.0%</td>
</tr>
</tbody>
</table>

Housing Units by Units in Structure, 2015

<table>
<thead>
<tr>
<th></th>
<th>number</th>
<th>% W.Warwick</th>
<th>% Kent County</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Unit Attached</td>
<td>850</td>
<td>6.1%</td>
<td>3.1%</td>
</tr>
<tr>
<td>1 Unit Detached</td>
<td>5,798</td>
<td>41.8%</td>
<td>67.0%</td>
</tr>
<tr>
<td>2 Units</td>
<td>1,753</td>
<td>12.6%</td>
<td>5.4%</td>
</tr>
<tr>
<td>3 or 4 Units</td>
<td>1,830</td>
<td>13.2%</td>
<td>5.4%</td>
</tr>
<tr>
<td>5 to 19 Units</td>
<td>2,281</td>
<td>16.4%</td>
<td>9.7%</td>
</tr>
<tr>
<td>20 to 49 Units</td>
<td>521</td>
<td>3.8%</td>
<td>3.0%</td>
</tr>
<tr>
<td>50 or More Units</td>
<td>833</td>
<td>6.0%</td>
<td>4.4%</td>
</tr>
<tr>
<td>Mobile Home or Trailer</td>
<td>18</td>
<td>0.1%</td>
<td>2.0%</td>
</tr>
<tr>
<td>Boat, RV, Van, etc.</td>
<td>0</td>
<td>0.0%</td>
<td>0.0%</td>
</tr>
</tbody>
</table>
# Unit Size by Number of Rooms and Bedrooms

<table>
<thead>
<tr>
<th>Number of Rooms</th>
<th>%</th>
<th>Number of Bedrooms</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>211</td>
<td>1.5%</td>
<td>none</td>
</tr>
<tr>
<td>2</td>
<td>442</td>
<td>3.2%</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>1,998</td>
<td>14.4%</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>2,907</td>
<td>21.0%</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>2,712</td>
<td>19.6%</td>
<td>4</td>
</tr>
<tr>
<td>6</td>
<td>2,795</td>
<td>20.2%</td>
<td>5 or more</td>
</tr>
<tr>
<td>7</td>
<td>1,276</td>
<td>9.2%</td>
<td>13,849</td>
</tr>
<tr>
<td>8</td>
<td>909</td>
<td>6.6%</td>
<td></td>
</tr>
<tr>
<td>9 or more</td>
<td>599</td>
<td>4.3%</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>13,849</td>
<td></td>
<td></td>
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</tbody>
</table>

Median rooms 5

Average household size of owner-occupied unit 2.4
Average household size of renter-occupied unit 2.2

Source: American Community Survey, 2010-2014 5-year estimates
Median home sales prices have not yet recovered from pre-recession levels.

Median Home Sales Prices in West Warwick
2004-2015

Single Family

Condos
Little change in average monthly rents, 2004-2014

Average Monthly Rents in West Warwick
2004-2014

<table>
<thead>
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<th></th>
<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
<td>1 Bedroom</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Bedroom</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Bedroom</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Themes: Housing

- Increase variety of housing options
- Increase affordable housing options at a variety of income levels
- Support the efforts of the Housing Authority to serve its residents
- Amend the zoning regulations to promote Town’s goals for different types of housing in different areas
Plan Elements: Economic Development

Topics from State Handbook

- Commercial and industrial development and redevelopment
- Developing supporting infrastructure for businesses
- Creating a high quality of life for employees
- Maintaining a predictable and efficient regulatory environment

Plan Elements: Economic Development

Questions from State Handbook

- To what extent is the community leveraging its existing assets, including natural resources, services, and facilities to support economic development?
- How does the existing regulatory structure and permitting processes support or hinder economic development?
- What additional infrastructure would be needed to support the community’s goals for economic development?
- What scale of economic activity does the community wish to achieve?
- Are there any specific segments of the economy that the community wishes to promote and support?
- To what extent are commercial and industrial tax revenues needed for a healthy municipal budget?

Employment Trends in West Warwick and Kent County

Prepared by FXM Associates
Decline in Total Jobs in W. Warwick and Kent County Overall between 2004 and 2014

- Between 2004 and 2014, jobs declined in West Warwick by (1,867), a -20% decline
  - Total jobs in W. Warwick 2004: 9,521
  - Total jobs in W. Warwick 2014: 7,654

- Jobs also declined over this period in Kent County overall by (5,137), a -5% decline
  - Total jobs in Kent County 2004: 101,829
  - Total jobs in Kent County 2014: 96,692
However, there were signs of recovery in certain sectors between 2009 and 2014 in West Warwick and Kent County overall

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>48-49 Transportation &amp; Warehousing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W. Warwick</td>
<td>447</td>
<td>181</td>
<td>68%</td>
</tr>
<tr>
<td>Kent County</td>
<td>3,470</td>
<td>-236</td>
<td>-6%</td>
</tr>
<tr>
<td>54 - Professional, Scientific, and Technical Services</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W. Warwick</td>
<td>140</td>
<td>26</td>
<td>23%</td>
</tr>
<tr>
<td>Kent County</td>
<td>6,178</td>
<td>666</td>
<td>12%</td>
</tr>
<tr>
<td>56 - Administrative &amp; Support and Waste Management</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>W. Warwick</td>
<td>125</td>
<td>50</td>
<td>42%</td>
</tr>
<tr>
<td>Kent County</td>
<td>3,977</td>
<td>369</td>
<td>9%</td>
</tr>
<tr>
<td>ALL INDUSTRIES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W. Warwick</td>
<td>7,654</td>
<td>-338</td>
<td>-4%</td>
</tr>
<tr>
<td>Kent County</td>
<td>96,692</td>
<td>647</td>
<td>1%</td>
</tr>
</tbody>
</table>

Source: RI Dept of Labor ES202 Series; US Dept of Commerce, REIS; and FXM Associates
Jobs in Professional, Scientific, and Technical Services
2004-2014

Jobs in West Warwick

W. Warwick

Kent County
Jobs in Administrative & Support Services
2004-2014

Jobs in West Warwick

Jobs in Kent County
Additional growth industries in Kent County may hold promise for future jobs in West Warwick, but local trends need improving.

<table>
<thead>
<tr>
<th>Other Kent County Growth Industries</th>
<th>Jobs in 2014</th>
<th>Change 2009-2014</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educational services</td>
<td>2,596</td>
<td>315</td>
<td>14%</td>
</tr>
<tr>
<td>Health care and social assistance</td>
<td>13,367</td>
<td>484</td>
<td>4%</td>
</tr>
<tr>
<td>Arts, entertainment, and recreation</td>
<td>1,733</td>
<td>41</td>
<td>2%</td>
</tr>
<tr>
<td>Accommodation and food services</td>
<td>9,066</td>
<td>610</td>
<td>7%</td>
</tr>
</tbody>
</table>

Source: RI Dept of Labor ES202 Series; US Dept of Commerce, REIS; and FXM Associates
Other Kent County Growth Industries

- Health care and social assistance
- Accommodation and food services
- Educational services
- Arts, entertainment, and recreation

Jobs

Health Care and Social Assistance Jobs in West Warwick
2004-2020 Projected

\[ y = -16.436x + 830.8 \]
\[ R^2 = 0.7325 \]
Accommodation & Food Services Employment in West Warwick
2004-2020 Projected

y = -22.764x + 904.13
R² = 0.6663

Themes: Economic Development

- Enhance the visual quality of the commercial areas through site improvements, maintenance, and enforcement
- Provide additional public parking
- Maintain a space inventory of vacant space to market to potential developers
- Support small businesses (home-based, incubators)
- Identify methods of attracting and supporting new businesses
- Build partnerships between the school system and local businesses
Plan Elements: Natural Hazards and Climate Change

Topics from State Handbook

- Natural Hazards
  - Floods/Heavy storms/Dam failure
  - Earthquakes
  - Wildfires
  - Pandemic
- Climate Change
  - Heavier and more frequent rain and storm events
  - Riverine and flash floods
  - Longer periods of drought
  - Increasing air and water temperatures
  - More frequent high heat days and heat waves

Source: Guidance Handbook #12: Planning for Natural Hazards and Climate Change; The Rhodes Island Comprehensive Planning Standards Guidance Handbook Series
Questions from State Handbook

- Will increasing density in a particular area cause more of the population or any special segments of the population, to become more vulnerable to natural hazards impact?
- What natural hazards has the municipality been historically subject to?
- How frequently have these hazards affected the municipality and surrounding areas?
- How is/could the municipality’s development pattern, especially the presence of impervious surfaces, amplify the effects of natural hazards and long-term climate changes?
- What types of natural hazards have had the most devastating or costly impacts?

Source: Guidance Handbook #12: Planning for Natural Hazards and Climate Change; The Rhode Island Comprehensive Planning Standards Guidance Handbook Series
### Plan Elements: Natural Hazards and Climate Change

#### Themes


<table>
<thead>
<tr>
<th>Hazard</th>
<th>Historical Dates</th>
<th>Probability</th>
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</thead>
<tbody>
<tr>
<td>Conflagration</td>
<td>1992, 2005</td>
<td>Low</td>
</tr>
<tr>
<td>Pandemic</td>
<td>2009-2010</td>
<td>Low</td>
</tr>
</tbody>
</table>

*Severe Weather Includes: Nor’easters, Winter Storms, Severe Thunderstorms, and Tornadoes
** Amounts based on past disasters and repetitive losses
Plan Elements: Natural Hazards and Climate Change

Themes from 2011 Strategy (pp. 39-42)

- **Vulnerable Areas (by priority)**
  - 1. Non-residential and residential properties
  - 2. Sewer system (including 9 lift stations)
  - 3. Rivers, streams, and creeks
  - 4. Dams
  - 5. Roads and adjacent properties subject to drainage problems
  - 6. Essential public services
  - 7. Public buildings
  - 8. Bridges
  - 9. Water supply

- **Action Types include the following:**
  - Planning and Regulations
  - Property Protection (including acquisition and elevation), Structural Projects, Maintenance, and Repair
  - Public Information and Outreach, Incentive Programs
  - Protection of Essential Services (including critical facilities)
  - Post Disaster Opportunities
WEST WARWICK COMPREHENSIVE COMMUNITY PLAN

Figure XX -- NATURAL HAZARDS

Source: Kent County GIS/PDM (2018), Hurricane Surge (updated Nov 2015), both courtesy of FEMA, 2014 Hazard Mitigation (CT). MAJOR ROADS
PARCEL LINES (2014)
POHOS, OPEN WATER
STREAMS

Disclaimer: This map is not the product of a professional land survey. It was created by a non-professional land surveyor for general information purposes. Informational planning and guidance also indicates that a professional land surveyor should be consulted to ensure the accuracy and completeness of data. The Town of West Warwick is not responsible for errors, omissions, or changes to the data provided. The user of this map should consult with a professional land surveyor to ensure accuracy and completeness of information.

* Note: Hurricane Surge inundation mapped in Warwick for years 1-2015 and 2020.

New Structure

- **Goals:**
  - What is the Town trying to achieve?
  - Why is this important to the Town?

- **Policies:**
  - How will the Town achieve its goal?
  - Where in Town will the goal be effective?

- **Actions:**
  - Who is responsible?
  - When will it be completed?
  - How much will it cost?
Examples for New Structure

- **Goal:** The Town should protect its historic buildings and development patterns.
  - **Policy:** Establish a Historic District Commission.
    - **Action:** Town Council shall establish a Historic District Commission. Timeline 6 months. Estimated cost: none.
  - **Policy:** Identify historic assets needing protection.
    - **Action:** The new HDC shall hire a consultant to identify the status of each historic building with respect to the National Register of Historic Places and prepare nomination papers for buildings that meet the criteria. Timeline: 6-18 months. Estimated cost: $30-50,000.
  - **Policy:** Create local historic districts.
    - **Action:** The HDC shall evaluate the need for and propose local historic districts for to protect areas with significant historic assets. Timeline: 18-24 months. Estimated cost: None.
    - **Action:** The Town Council shall establish a historic district zone or zones, and the design review process for the HDC.
Interactive Session #1

- Data Walk
  - Find a partner!
  - Discuss the maps and the related goals with your partner
  - If you think a goal is missing, add it to the board using the stickies
  - Fill out one card per person and turn it in at the front of the room
Interactive Session #2

- Prioritization
  - You will receive eight green dots
  - Use the eight dots to indicate your priorities
  - You can use one dot per goal or use all eight on a single goal or any combination up to eight dots
  - You can vote on the printed goals or those added by you or by other participants
# Next Steps

<table>
<thead>
<tr>
<th>Time</th>
<th>Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer 2016</td>
<td>Draft for Review by Town and State</td>
</tr>
<tr>
<td>Fall 2016</td>
<td>Approval Process including public hearings</td>
</tr>
</tbody>
</table>