Food Innovation Districts

• An Economic Gardening Tool
• Expand a Regional Food Industry
• Attract Emerging Food Processing facilities
• Lead Industry in Technological Innovation
Localized Food Planning

Local and regional food systems affect health, wealth and quality of life of a Region.
Traditional Economic Development

- Smoke Stacks (Industrial revolution, Pa, NJ)
- Auto Plants (Michigan, Indiana, Illinois)
- Technology (Silicon Valley)
- Health Sciences (Philadelphia)
- Clusters (Technology Led Development)
Build on existing Clusters

Kent County has 87 Manufacturing facilities
15 are “Food Manufacturers”
17 are “Metal Fabricators”

Beyond that Kent County has 167,000 acres of farmland – 59,568 (35%) of which are permanently preserved.

2013 Market Value of products sold:
$ 212,000,000
## Substantial Public Investment
Preserved Farmland

<table>
<thead>
<tr>
<th>KENT COUNTY</th>
<th>FARMS</th>
<th>ACRES</th>
<th>COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>SETTLEMENTS FINAL</td>
<td>383</td>
<td>59,568</td>
<td>$89,579,817</td>
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<tr>
<td>PENDING APPS.</td>
<td>44</td>
<td>2782</td>
<td>$16,818,738</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>427</td>
<td>62,350</td>
<td><strong>$106,398,555</strong></td>
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<tr>
<td>EST. DISCOUNTS</td>
<td></td>
<td></td>
<td>$124,729,578</td>
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<tr>
<td>PENDING DISCOUNTS</td>
<td></td>
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<td>$24,218,983</td>
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<tr>
<td><strong>TOTAL DISCOUNTS</strong></td>
<td></td>
<td></td>
<td><strong>$148,948,561</strong></td>
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<tr>
<td>TOTAL PUBLIC INV.</td>
<td></td>
<td></td>
<td><strong>$255,347,116</strong></td>
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</tbody>
</table>
Agriculture in Kent County

Percentage of farms operated by a family or individuals is 86.69%

Average age of principal farm operators is 55 years

Average value of crops sold per acre is $358.39
Food Innovation Districts (FIDs)

The development of FIDs as a land use and economic development tool for building regional food system opportunities.

The attraction of new food based businesses.
Kent County Comprehensive Plan

• 2002 Comprehensive Plan
• 2007 Comprehensive Plan
• 2007 Policy Emphasis
  – Promote the retention of farms and farmland
  – Strengthen the Agriculture sector
  – Direct development to areas where infrastructure exists in order to encourage Agriculture
  – Promote and develop agricultural uses such as: horse farms, orchards, organic farming, wineries, sod farms, and aquaculture
# Current Economic Impact Estimates

<table>
<thead>
<tr>
<th></th>
<th>Direct</th>
<th>Multiplier</th>
<th>Indirect</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>Employment</td>
<td>3838</td>
<td>1.75</td>
<td>2879</td>
<td>6717</td>
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<tr>
<td>Income</td>
<td>78.6 M</td>
<td>1.75</td>
<td>55.0 M</td>
<td>133.6 M</td>
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<tr>
<td>Value Added</td>
<td>144.7M</td>
<td>1.75</td>
<td>108.5 M</td>
<td>263.2 M</td>
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<tr>
<td>Output</td>
<td>674.0M</td>
<td>1.3</td>
<td>202.2 M</td>
<td>876.2 M</td>
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</tbody>
</table>
Forecast of Potential Economic Impact

• Model 1: Major Food Processing Facility
  – Initial investment: 20.6 million
  – Indirect & induced output impacts: 10.0 million
  – Total impact: 30.6 million
  – Direct Employment: 124 persons
  – Indirect & induced employment impact: 222 jobs
  – Overall: 346 new jobs
Forecast of Potential Economic Impact

• Model 2: Small-scale agri-food entrepreneurial venture (Incubator Justification)
  – Capital investment 0.08 contributes:
    • In direct output:     Approx. 0.20 million
    • Indirect & induced impacts:  Approx. 0.50 million
    • Total output:        Approx. 0.70 million

• Direct jobs:          Approx. 5
• Additional (indirect) jobs:  Approx. 9
• Total jobs created:  Approx. 14
“The history of every nation is eventually written in the way in which it cares for its soil”

Franklin D. Roosevelt, March 1, 1936
Kent County Steering Committee

Public Entities
• Kent Economic Partnership
• Delaware Department of Ag.
• UD Cooperative Extension
• DSU Cooperative Extension, COB, SBDC, Food Innovation Center
• Del Tech, Culinary
• City of Dover, Planning Dept.
• City of Dover, Economic Development
• Levy Court, Planning Dept.
• CDCC
• Kent County Tourism
• USDA Rural Development

Private Sector
• Processors (Kraft, Hanover, etc.)
• Distributors (Lehigh, Pepsi, etc.)
• Producers (Fifers, Cartanza, Bobola, etc.)
• Resale/Retailers
• Restaurants
• Storage Facilities
• Marketing Services
• Trade Associations
Create a Mission Statement

- “To engage the people of Delaware, the Mid-Atlantic Region and the world in applied research, education and outreach to develop regionally integrated sustainable food systems”
Define a Vision

• “Create a thriving economy, a sense of place and sustainability for Kent County, the country and the planet through food systems rooted in local regions and centered on food that is healthy, green, fair and affordable”
Inventory Existing Assets

- Farm Markets
- Community Kitchens
- Wholesale Districts
- Retail Districts
- Distribution Networks
- Shared Storage facilities
- Processing Centers
- Marketing Services
- Restaurants
- Existing Food Clusters
- Entertainment/Agritourism
- Education Programs
- Placemaking
- Community Supported Ag. (CSA)
- Waste Management
- Water
Identify Food Hubs

- Producer Oriented
- Community Oriented
- Place Oriented

Diagram:
- Hanover
- Producer
- Service Shop
- Packaging
- Distribution
- Sales
Producer Oriented

- Wholesale District
- Resale/Retail District
- Planning & Coordination
- Distribution Network
- Shared Storage Facilities
- Processing Center
- Marketing Services
- Farm to School/Farm to Fork
Community Oriented

- Education Programs
- Community Supported Ag. (CSA)
- Community Kitchen
- Connection to Low-Income Individuals
- Underserved markets
- Health Component
- Community Gardens
Place Oriented

- Policy Supported
- Restaurants
- Entertainment
- Agri tourism
- Existing Food Cluster
Inventory additional assets

• Educational Facilities
• Restaurants
• Support businesses
• Aquaculture
• Farm Markets
• Aggregation and storage
• Distribution
• Waste Management
Food Innovation District

• May or may not include one or more food Hubs
• Designed with specific planning boundaries that allow incentive financing
• Bay Road Corridor could be a FID that would help create a “campus” development around food. (Community Kitchen, Restaurant Incubator, Instruction and research center)
Food Innovation Zone

• Broader in Scope
• Might include multiple Hubs and FIDs
• Would encompass in scope perhaps all of Kent County and parts of Sussex and New Castle County
Food Innovation Region

• Might include multiple Food Innovation Zones
• Would transcend state boundaries
• Might include all of Delaware, parts of Maryland, Pennsylvania, and New Jersey
Kent County Initiative

- Create County-wide Steering Committee
- Begin Hub Identification
- Begin inventorying assets
- Initiate strategic plan for Bay Road Corridor
- Plan FID incentives
- Begin planning Food Innovation Zone overlay
Thank you

• Questions or Directions