

ON TO 2050

# Alternative Futures Scenario Planning

June 27, 2016

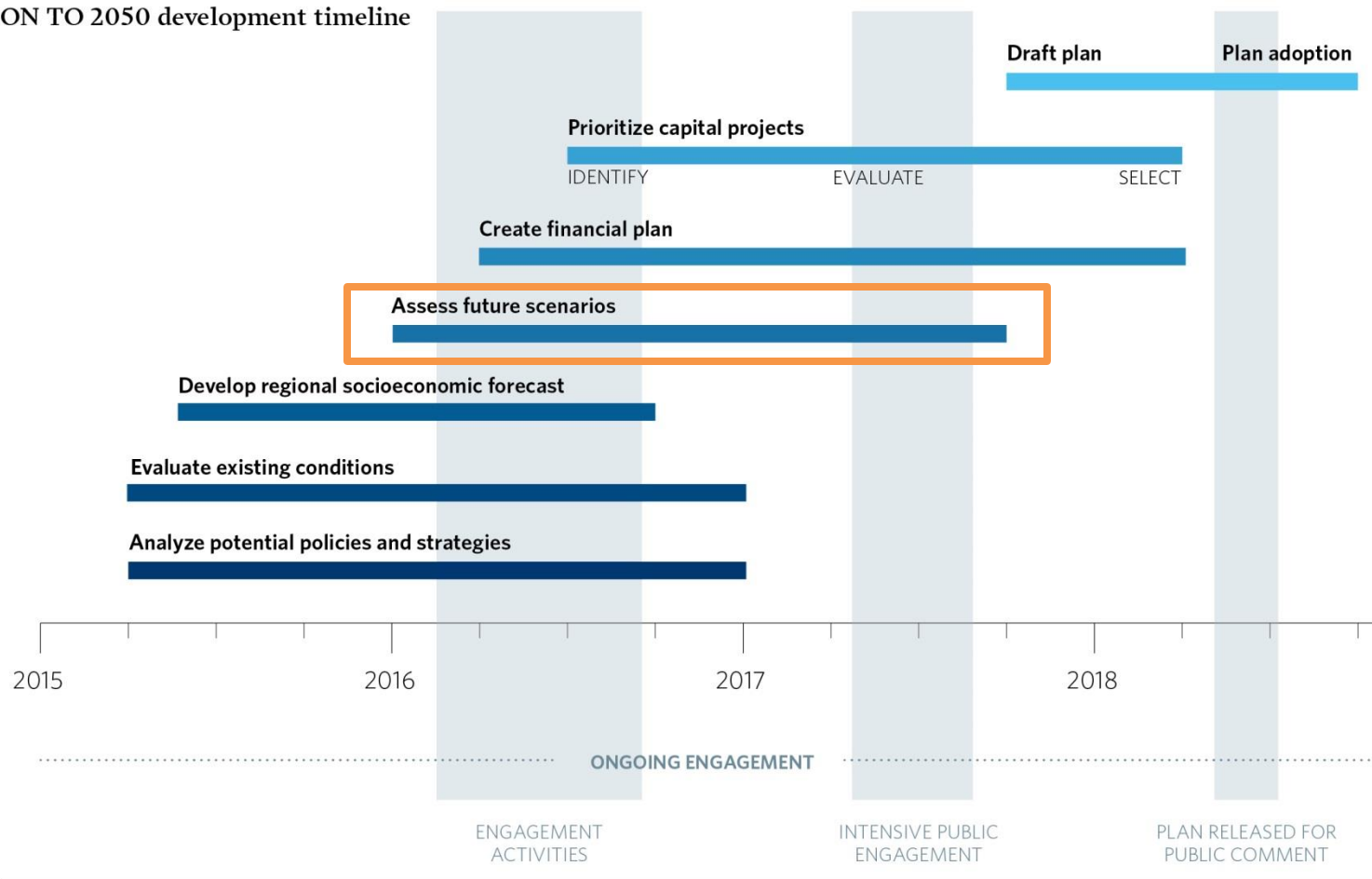
# Agenda

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1. Intro to scenario planning
2. Primary uses of scenario planning
3. Scenario planning in GO TO 2040
4. Alternative futures scenario planning in ON TO 2050
5. Next steps

# ON TO 2050 Development Process

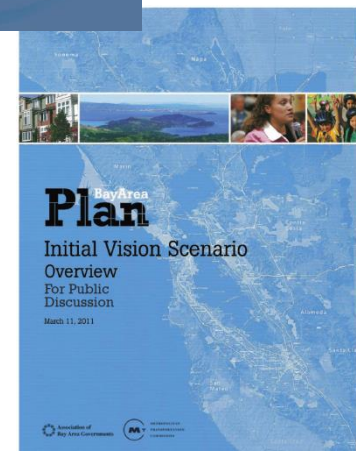
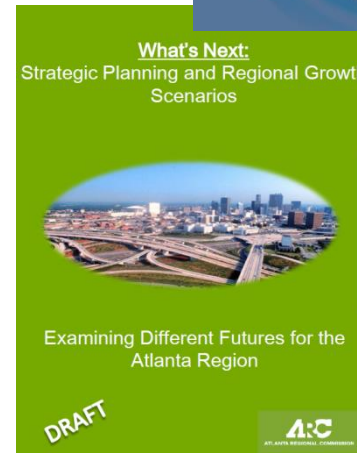
ON TO 2050 development timeline



# What is scenario planning?

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- Analytical tool to prepare for the future, providing a framework to:
  - Understand trends
  - Assess policies and strategies to plan for impacts of forces
- Approach can be used for
  - Decision-making
  - Plan-making
  - Prioritization
  - Oversight
  - Testing
  - Conversation
- Commonly used by
  - MPOs
  - Private sector
  - Other entities at various scales



# Primary benefits of scenario planning

- Illuminate desired futures
- Examine potential paths without risk
- Prepare for the future
  - Mitigate risk
  - Adapt
  - Be opportunistic
- Complement planning processes
- Engage many stakeholders in conversation



Image source: CMAP kiosk for GO TO 2040

# Scenario planning in GO TO 2040

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- Assessed strategies related to land use, transportation, economic development, and the environment to understand possible outcomes
- **3 scenarios** asked “What if we...”

## Reinvest

Rebuild current infrastructure

## Preserve

Keep assets and character intact

## Innovate

Rely on innovation and technological improvements

- The **Preferred Scenario** collected the best strategies from each scenario

# Potential outcomes of scenarios in GO TO 2040

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Sample outcomes based on current trends

## Scenarios

Reinvest

Preserve

Innovate

### *Jobs-Housing Access*

Job accessibility will remain comparable to today.

Improves greatly

Improves slightly

Improves greatly

### *Industry Mix*

Qualitative analysis

Expected increase in construction, retail and wholesale trade, various services, transportation and logistics, and some manufacturing sectors.

Expected increase in professional and management services, finance and insurance, health care, education and social services, and the arts, entertainment, and recreation sectors.

Expected increase in various manufacturing sectors, as well as scientific and technical research and development and services.

# Alternative Futures scenario planning in ON TO 2050

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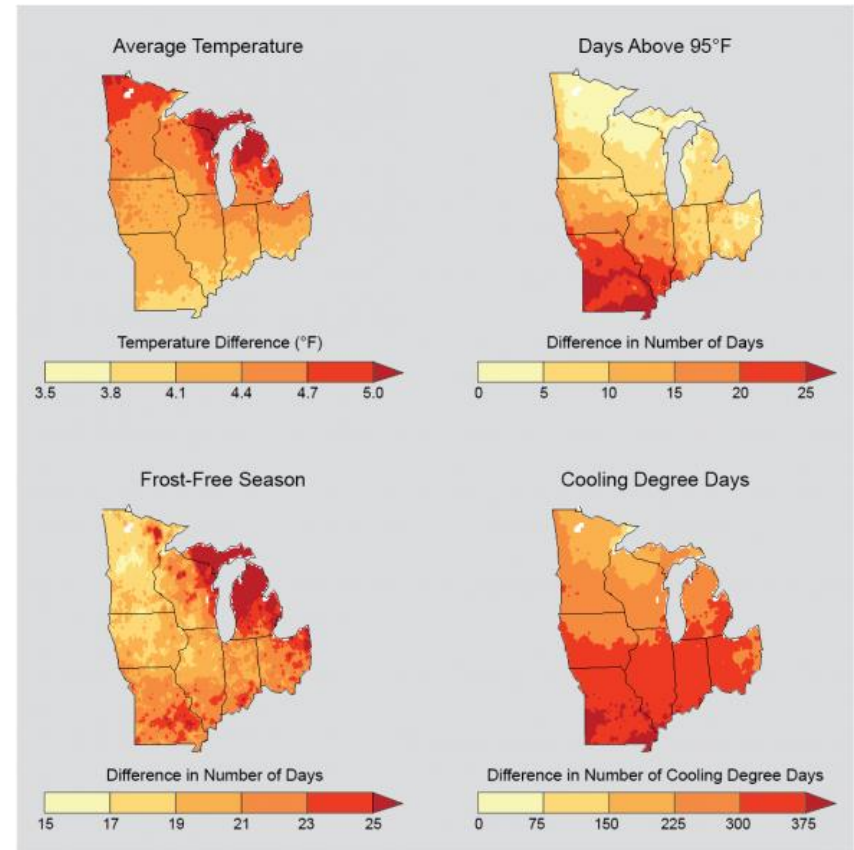
- Continue GO TO 2040 emphases and explore new policy areas
- Focus on 5-8 macro level trends
- Identify policies and strategies to respond to macro level changes
  - Prepare
  - Mitigate
  - Capitalize
- Prioritize strategies benefitting multiple futures
- Robust analyses primarily through qualitative research
  - When possible and most useful, quantitative and spatial analyses
- Provide vehicle for discussion



# Alternative Futures scenario planning in ON TO 2050

- Some potential topics
  - Climate change
  - Transportation innovations
- Convene experts to ID trends and strategies
  - Likelihood
  - Impact
  - Technical capacity

## Projected Mid-Century Temperature Changes in the Midwest



Source: 2014 National Climate Assessment, Kenneth Kunkel, Cooperative Institute for Climate and Satellites – North Carolina, <http://nca2014.globalchange.gov/report/regions/midwest>.

# Example of Alternative Future planning: Future Forces, Delaware Valley Regional Planning Commission, 2016

- Scenario planning for Connections 2045
- Identified 5 main trends (“structuring forces”)
  - High likelihood + high impact
- Determined strategies
  - “Universal actions” - Positive impact to **all** forces
  - “Contingent actions” - Specific to force

## Five structuring forces for the Greater Philadelphia Region



Source: Greater Philadelphia Future Forces, Delaware Valley Regional Planning Commission, 2016

# Proposed scenario planning timeline

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May – August 2016.....	Define topics for the alternative futures process
August 2016 .....	Select key alternative futures for analysis
Sept. 2016 – March 2017 ...	Develop alternative futures and prepare for public outreach
April – May 2017 .....	Finalize outreach plan and materials
June – August 2017 .....	Public workshops on alternative futures

# ONTO2050

Questions?

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# Alternative Futures scenario planning in ON TO 2050

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## GO TO 2040 scenario planning

- ID policies and strategies that changed outcomes
- Focus on 3 scenarios
- Quantitative and qualitative analysis
- Select combination of strategies generated a final, preferred scenario
- Provide vehicle for discussion

## ON TO 2050 scenario planning

- ID policies and strategies to respond to macro level changes
- Focus on 5-8 scenarios
- Predominantly qualitative
- Prioritize strategies benefitting multiple futures
- Provide vehicle for discussion