



HEALTH IMPACT ASSESSMENT of the PROPOSED COMPRESSOR STATION, WEYMOUTH, MA

Advisory Committee Meeting #2

June 26, 2018

Agenda

- Welcome and Agenda Overview
- Introductions
- Revisit Scoping
- Revisit Decision Context
- Completing Scoping
- Update on Air Quality Monitoring
- Meeting Evaluation and Next Steps

Meeting Objectives

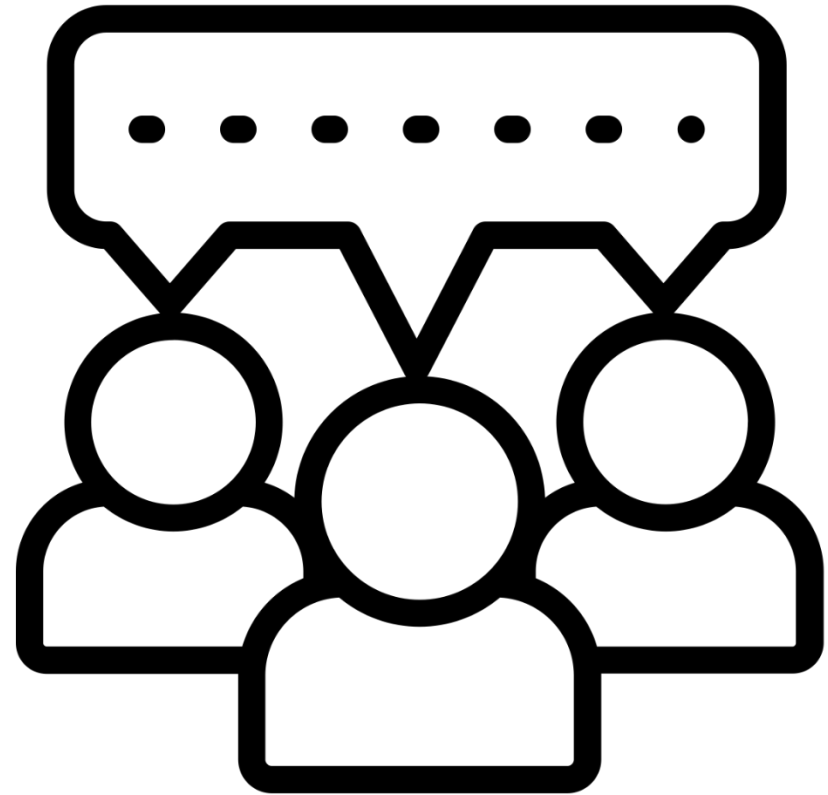
- Understand proposed health focus areas (effects and/or concerns) for the HIA so that advisory committee members can inform additional elements of scope such as data sources, assessment methods, and at risk populations;
- Awareness of the decision context and focus of the HIA so that advisory committee discussion is based on a shared understanding of the proposal
- List of potential indicators and data sources
- List of potential research and literature for reference in HIA
- List of potential assessment methods
- List of potential populations at risk

HIA Project Team

- Massachusetts Department of Public Health (MDPH)
- Massachusetts Department of Environmental Protection (MassDEP)
- Metropolitan Area Planning Council (MAPC)

Advisory Committee Member Introductions

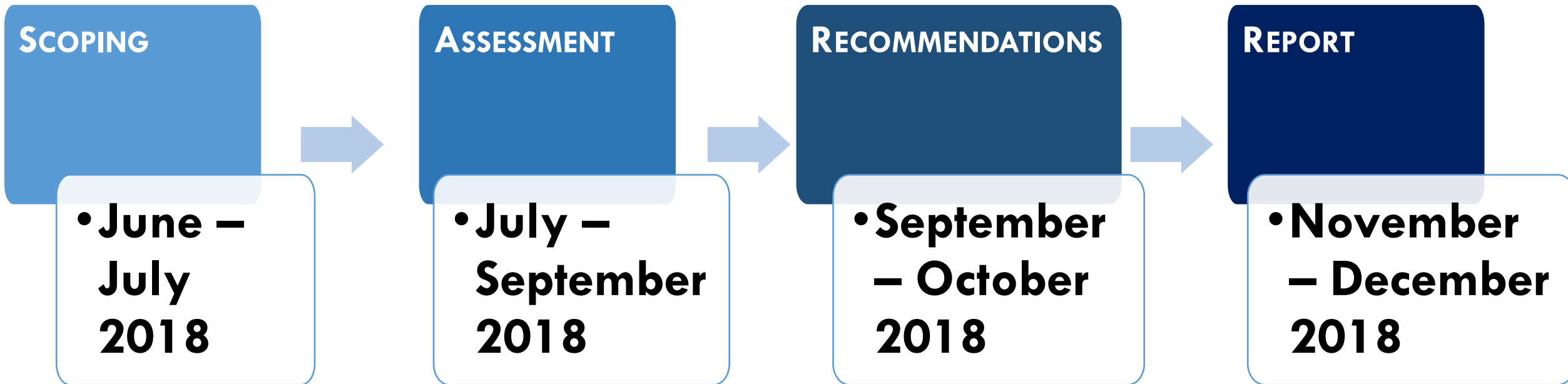
- Name
- Where from/Who Representing
- Icebreaker Question



Advisory Committee Roles and Responsibilities

- Advise the project team during all phases of the HIA (e.g., scoping the HIA, assessment of health impacts)
- Share expertise and range of experiences and perspectives related to the HIA
- Up to 6 meetings over the HIA project period
- Consultation by phone and email

HIA Timeline

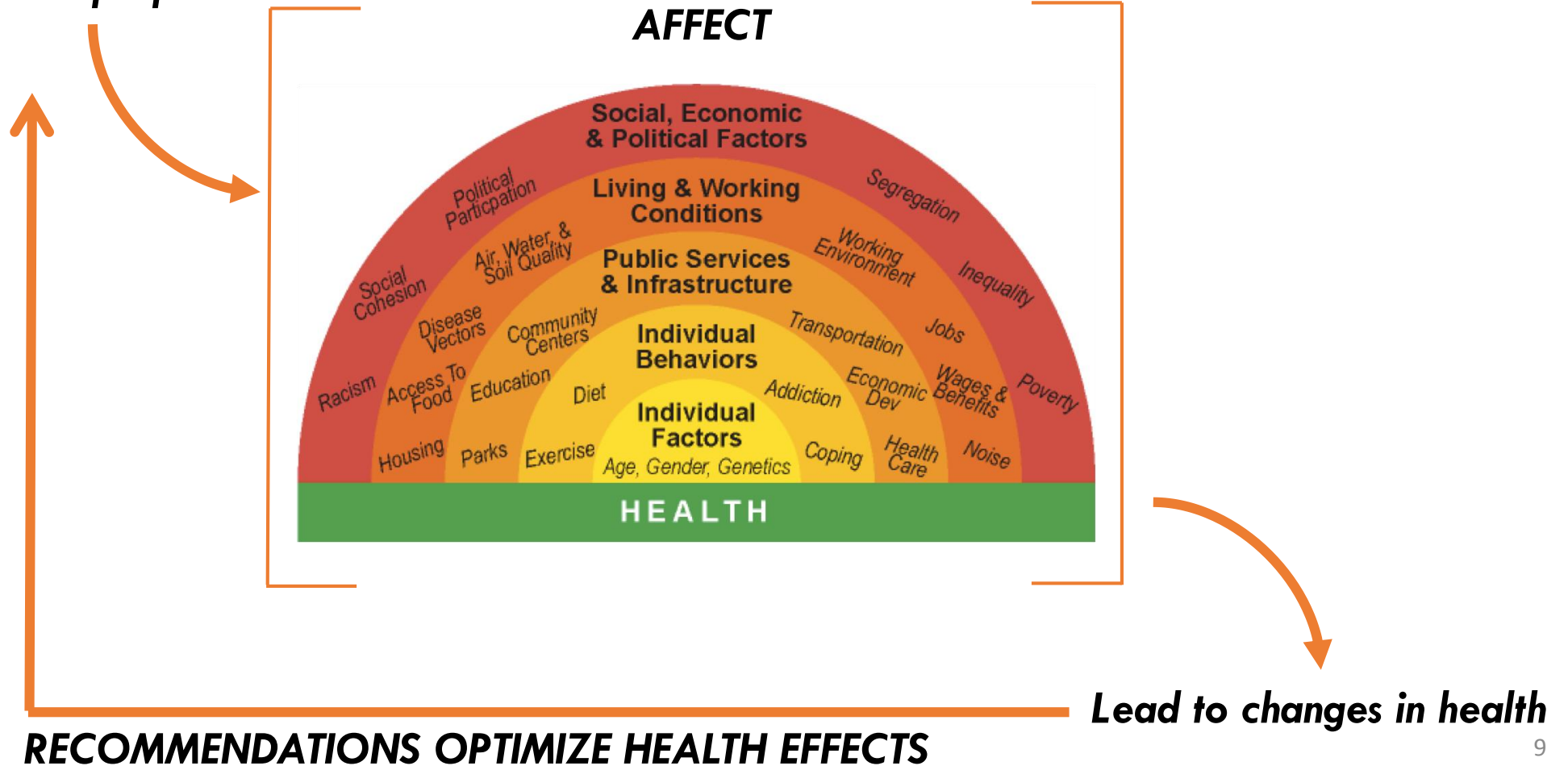


Revisit Scoping

Review of the Scoping Step of HIA

HIA Asks...

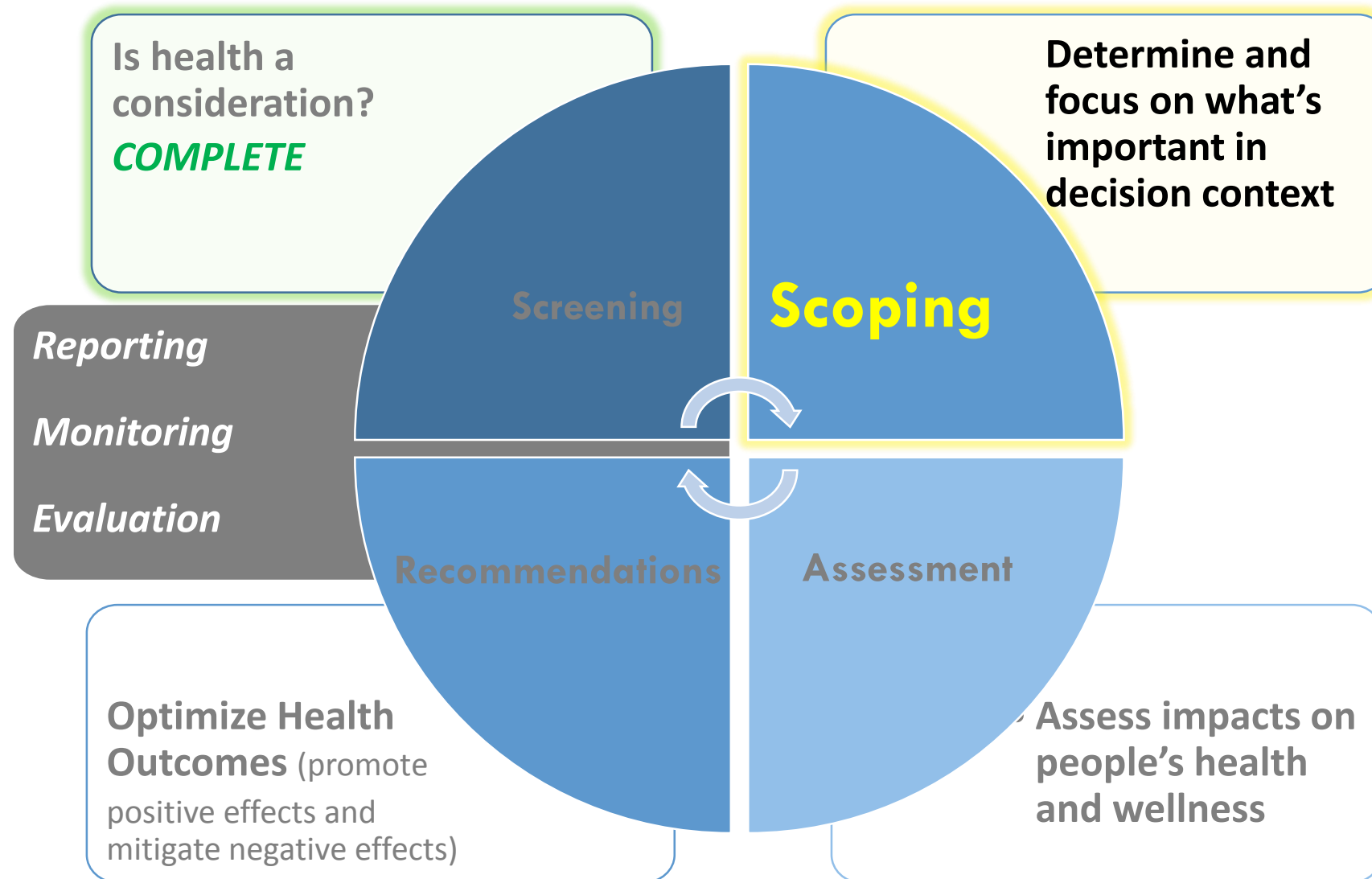
*How does the policy, plan, program
or project*



HIA Framework (*What HIA is/is not*)

- Not a regulatory or decision-making process
- Uses framework that encompasses social, physical, and mental health and wellness, including existing conditions
- Engages a broad group of stakeholders – not conducted solely by risk assessors
- Uses mix of qualitative and quantitative methods
- Provides evidence-based conclusions on how a decision will affect health
- Makes health-promoting recommendations focused on decision(s) at hand

HIA Process

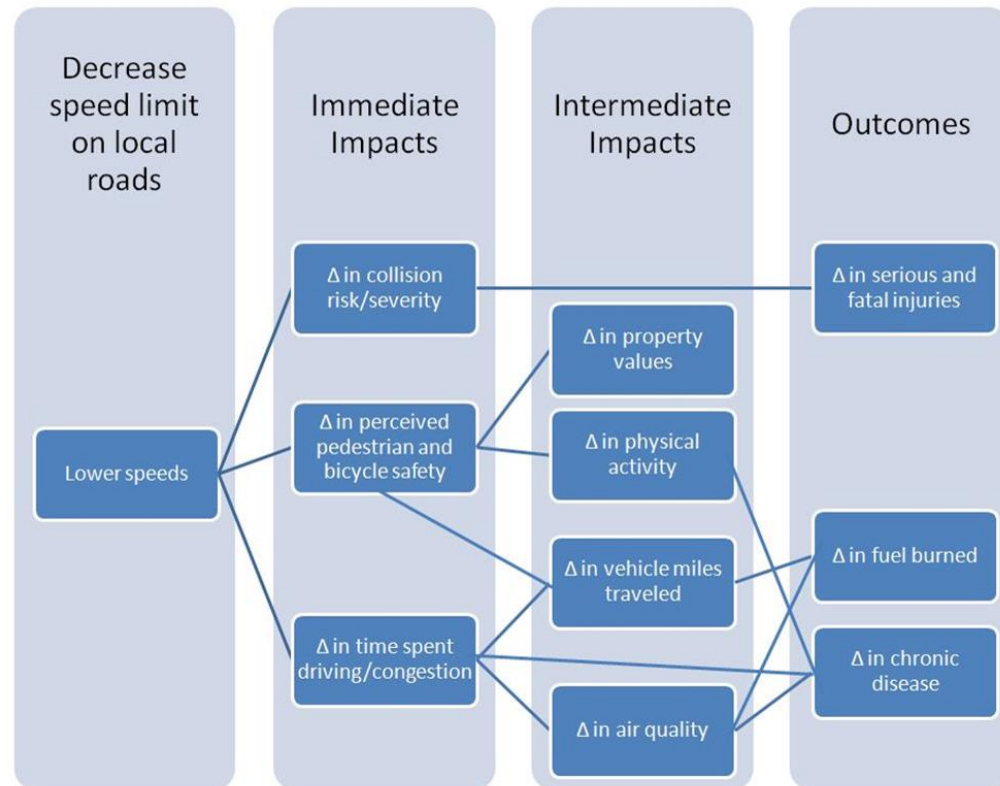


The Scoping Process Involves

- Exploring and prioritizing **health determinants**
- Developing **causal pathways** to identify relevant health outcomes
- Identifying **indicators and data sources**
- Identifying **geographic context** and **time frame** for the assessment
- Identifying **vulnerable populations**
- Generating **research questions**
- Identifying **assessment methods**

Scoping - Elements

Pathways

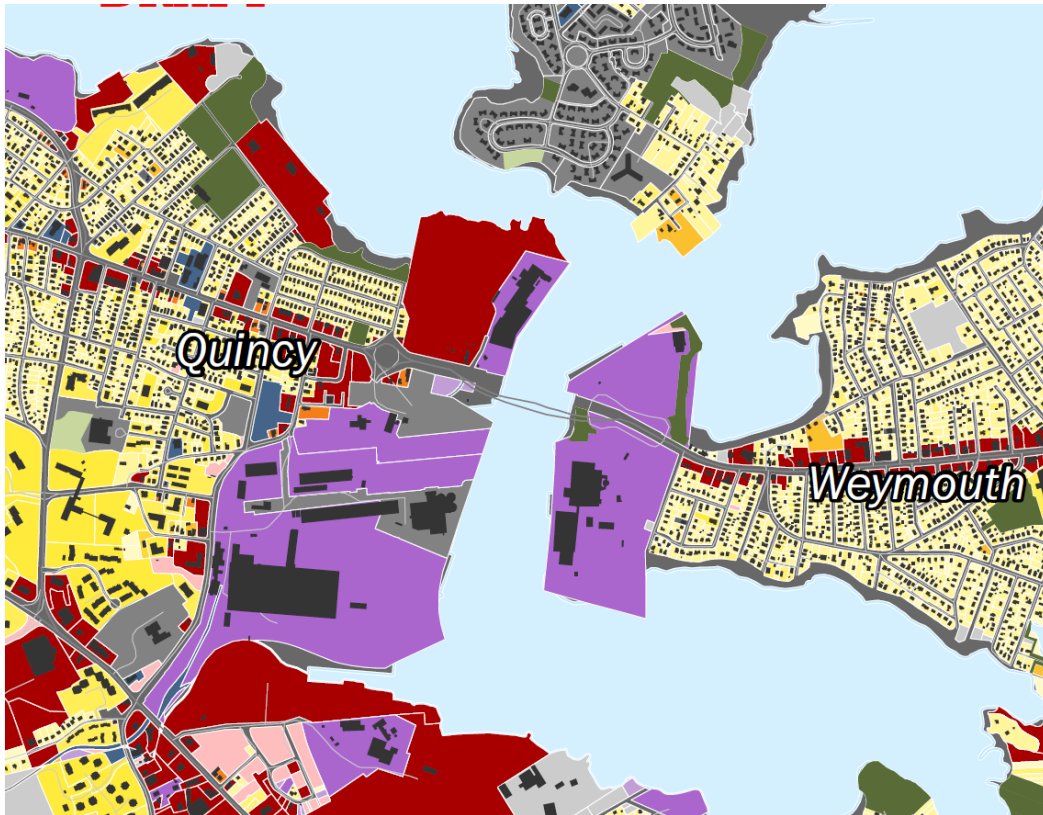


Indicators and data sources

Category	Indicator	Measure	Data Sources
Social Cohesion	Residential Mobility; Voter Participation	Percent of population, one year and older, living in the same house as one year ago; Proportion of population 18 and older that voted in the last election	American Community Survey, State/Local Election Departments

Scoping - Elements

Geographic Context



Vulnerable Populations

- Groups of people who currently do or who could experience disproportionate risks from the proposed change. Examples include:
 - Those marginalized by race/ethnicity, socioeconomic status, and/or English proficiency (e.g., Black or African American residents, low income households)
 - Those with existing health conditions (e.g., chronic diseases)
 - Those in susceptible life stages (e.g., children, older adults)

Scoping - Elements

Research questions

- Identify questions to guide research into:
 - Changes known or associated with proposal
 - Effects on health known or associated with proposal and related changes
 - Health promoting responses to potential effects on health
- Guide additional data collection, if needed
- Provide inputs into assessment

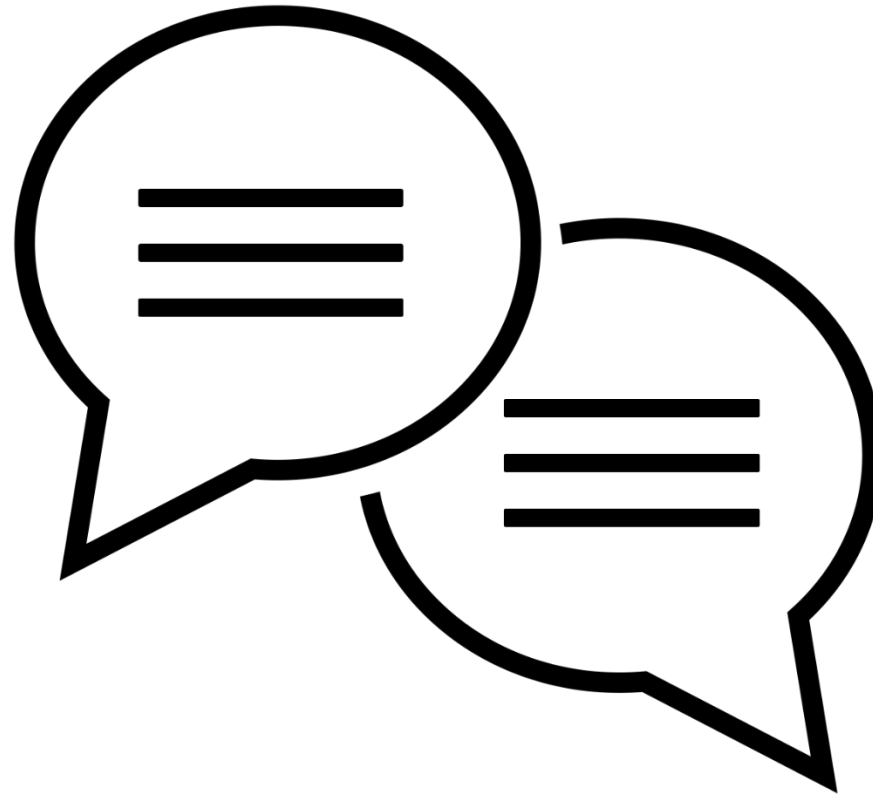
Assessment methods

- Collect existing conditions
- Review literature
- Identify tools to estimate impact
- Example

To date, we have focused on

- Exploring and prioritizing **health determinants**
- Developing **causal pathways** to identify relevant health outcomes
- Identifying **indicators and data sources**
- Identifying **geographic context** and **time frame** for the assessment
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What we've heard



Revisit Decision Context

*HIA of the Proposed Natural Gas Compressor Station
Weymouth, MA*

HIA Directive

- In July 2017 Governor Baker directed that MassDEP and MDPH prepare a public health impacts assessment to
 - Document current background air levels at the site and current health status of the community
 - Consider future air quality impacts of the proposed project on public health
- In January 2018 Administration provided \$100k in funding
 - MassDEP has contracted with Alpha Analytical for sample analysis
 - MDPH has contracted with MAPC to facilitate focused HIA

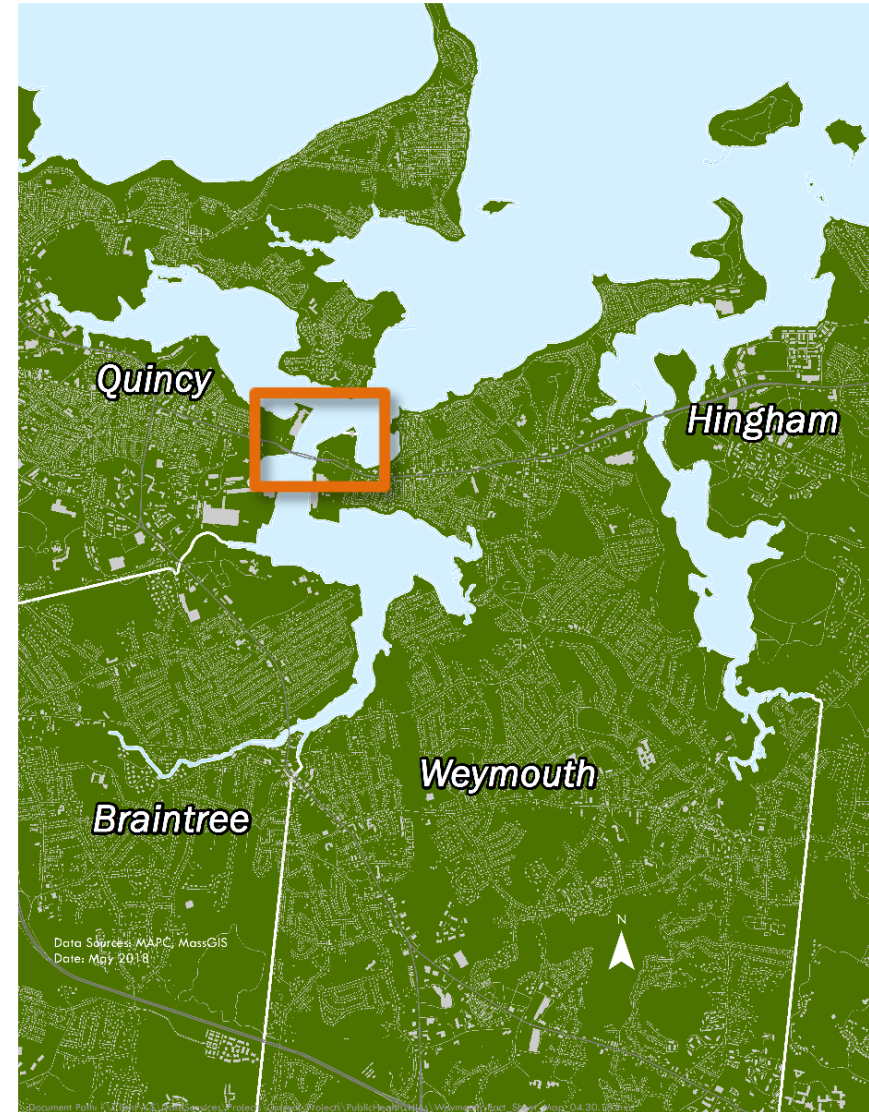
Note: Governor also provided further opportunities for public safety and climate resilience review

HIA / Air Permit Decision Timeline

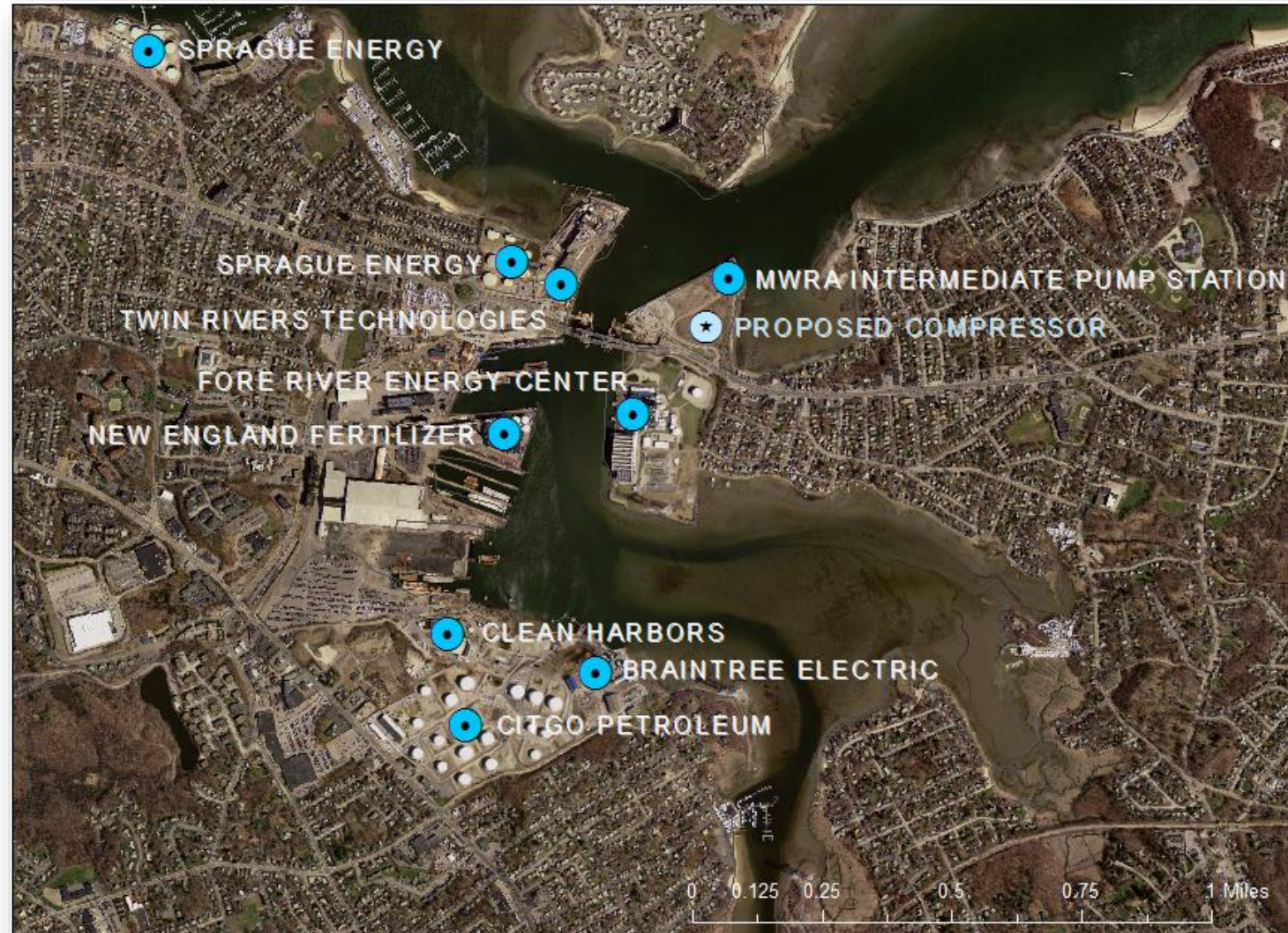
- HIA
 - Scoping - May-July
 - Assessment - July-August
 - Recommendations – September-October
 - Report – November-December
- January 11, 2019 – Joint motion-set deadline for permit decision
- February 1, 2019 – Permit decision becomes final if not appealed
- June 28, 2019 – Joint motion-set deadline to complete appeal process and issue final permit decision

Project Background

- Proposed natural gas compressor station
 - Proponent is Algonquin Gas Transmission, LLC, subsidiary of Enbridge
 - Station proposed at 50 Bridge St, Weymouth
 - Site has existing pipeline and a gas metering and regulation station



Nearby Facilities



Project Roles

Siting	Federal Energy Regulatory Commission (FERC)
Safety	US Department of Transportation (US DOT) and Pipeline and Hazardous Materials Safety Administration (PHMSA)
Wetlands	Weymouth Conservation Commission / MassDEP
Coastal Zone Management (CZM) Federal Consistency Review	MA Office of Coastal Zone Management (CZM)
Chapter 91 Waterways License	MassDEP
Air Quality	MassDEP
Site cleanup	MassDEP

Completing Scoping

*HIA of the Proposed Natural Gas Compressor Station
Weymouth, MA*

Tonight, we will focus on

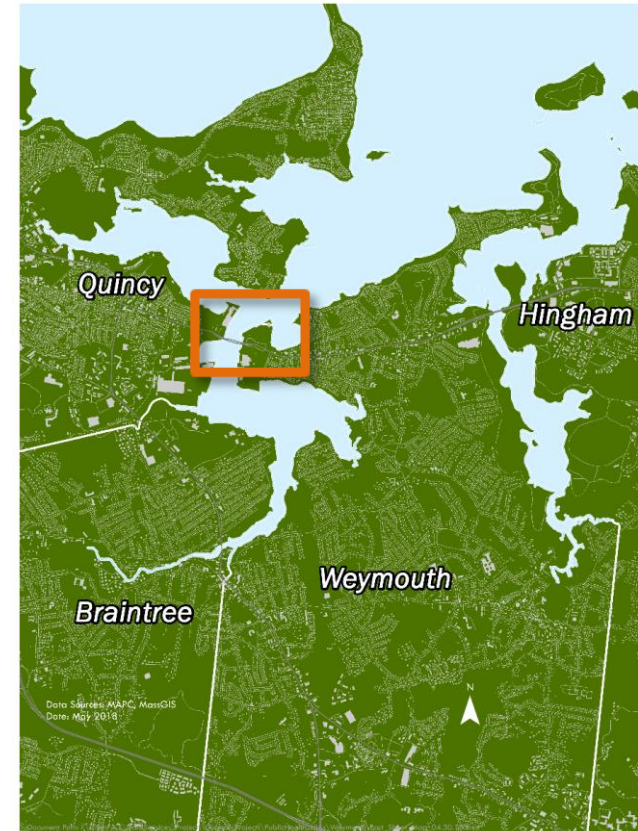
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Pathways Related to Decision and Health

This HIA will assess health effects that could result from:

Proposed natural gas compressor station

- 50 Bridge St, Weymouth



Key Questions for Consideration in Small Group Discussions

- a) What indicators, data sources, or research do you think we should collect and consider as part of the HIA?
- b) What populations, if any, do you think may be more vulnerable to the proposed change and its effects?
- c) What assessment methods (e.g., tools, processes) do you think we should consider for use in the HIA?

Report Back

For each group, asking to share a few highlights of:

- Possible indicators, data sources, and research
- Populations identified as potentially more vulnerable
- Potential assessment methods

Update on Air Quality Monitoring

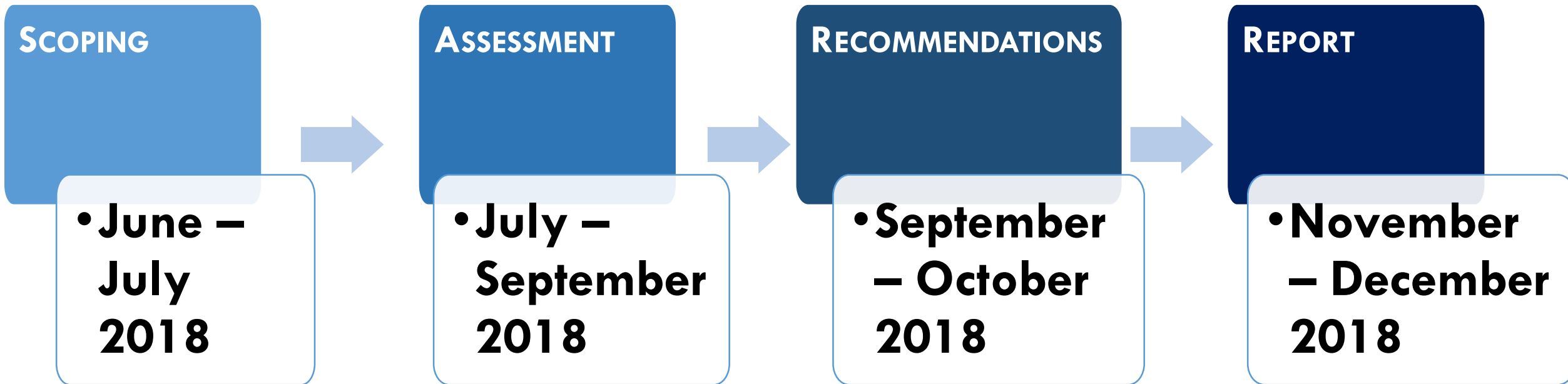
Citizen and Proposed MassDEP Air Monitoring Locations



Wrap Up and Next Steps

Upcoming meetings, action items, and meeting evaluation

HIA Timeline



Thank you