



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

Community Meeting #2

November 15, 2018

Introductions

HIA Project Team

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

Advisory Committee

- *Representatives recommended from municipalities (Weymouth, Quincy, Braintree, and Hingham) and community organizations*

Community #2 Meeting Format

Open House

- A. Poster materials to share new and updated information and data
- B. Comment sheets to gather feedback

World Café Rotating Sessions

- Time to learn about and discuss existing conditions and predicted changes for each impact pathway: Air Quality, Noise, and Land Use/Natural Resources

Reconvene: Next Steps and Providing Ideas for Recommendations

Health Impact Assessment (HIA) of Proposed Compressor Station

Overview of HIA and the assessment process

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 directed for coordination of public safety concerns by Massachusetts Executive Office of Public Safety and Security (EOPSS) and climate resilience review by Massachusetts Coastal Zone Management (CZM).

Governor's Directive

Health Impact Assessment

Estimation of potential health impacts by MDPH and MassDEP

Public Safety Coordination

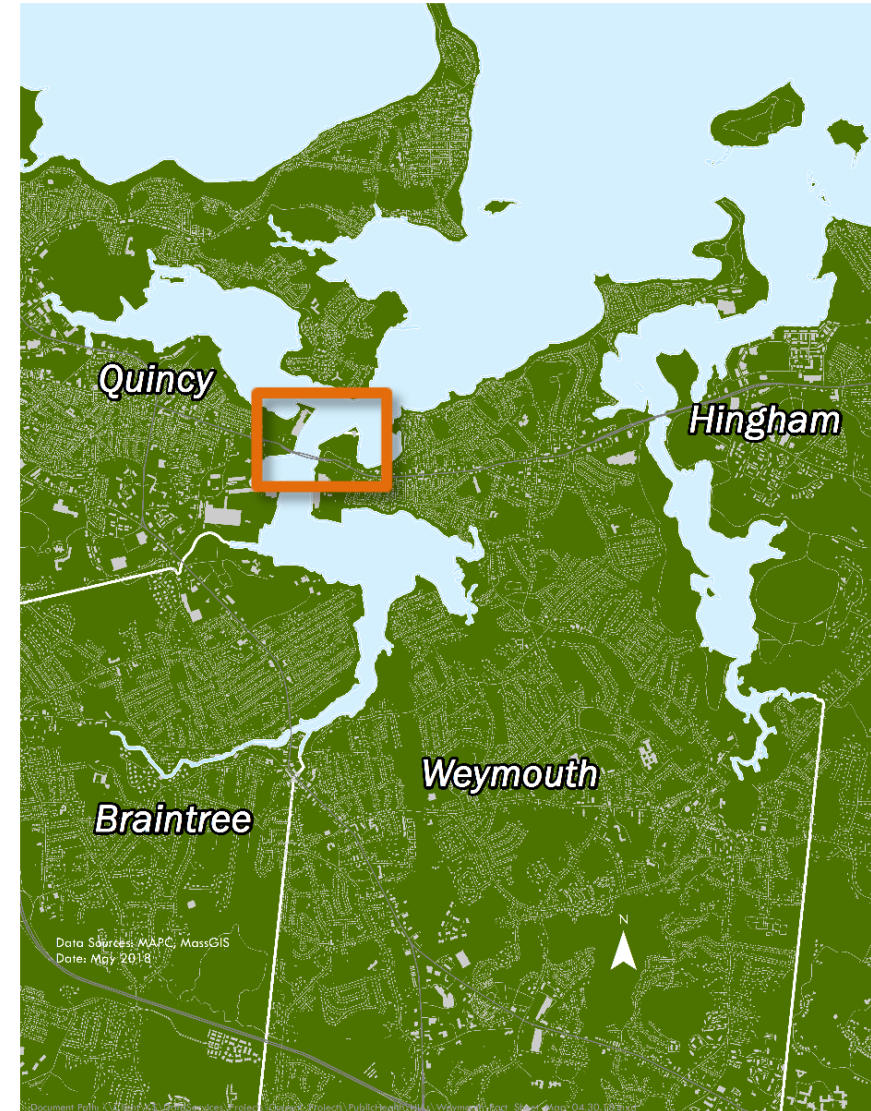
Coordination with municipalities and federal agencies by Massachusetts EOPSS

Coastal Zone Impacts

Evaluation of inundation and sea level rise risks by Massachusetts CZM

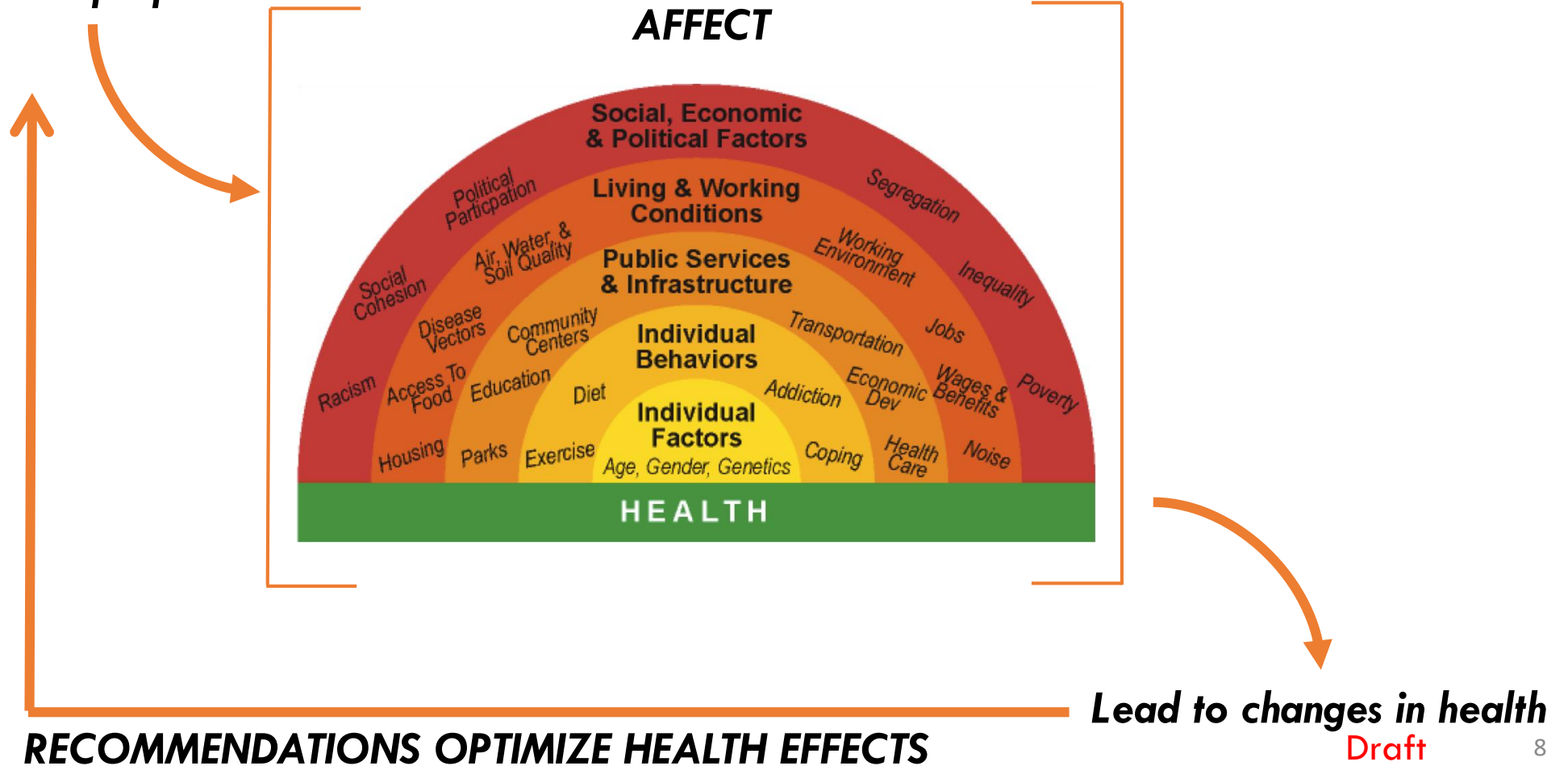
Project Background

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

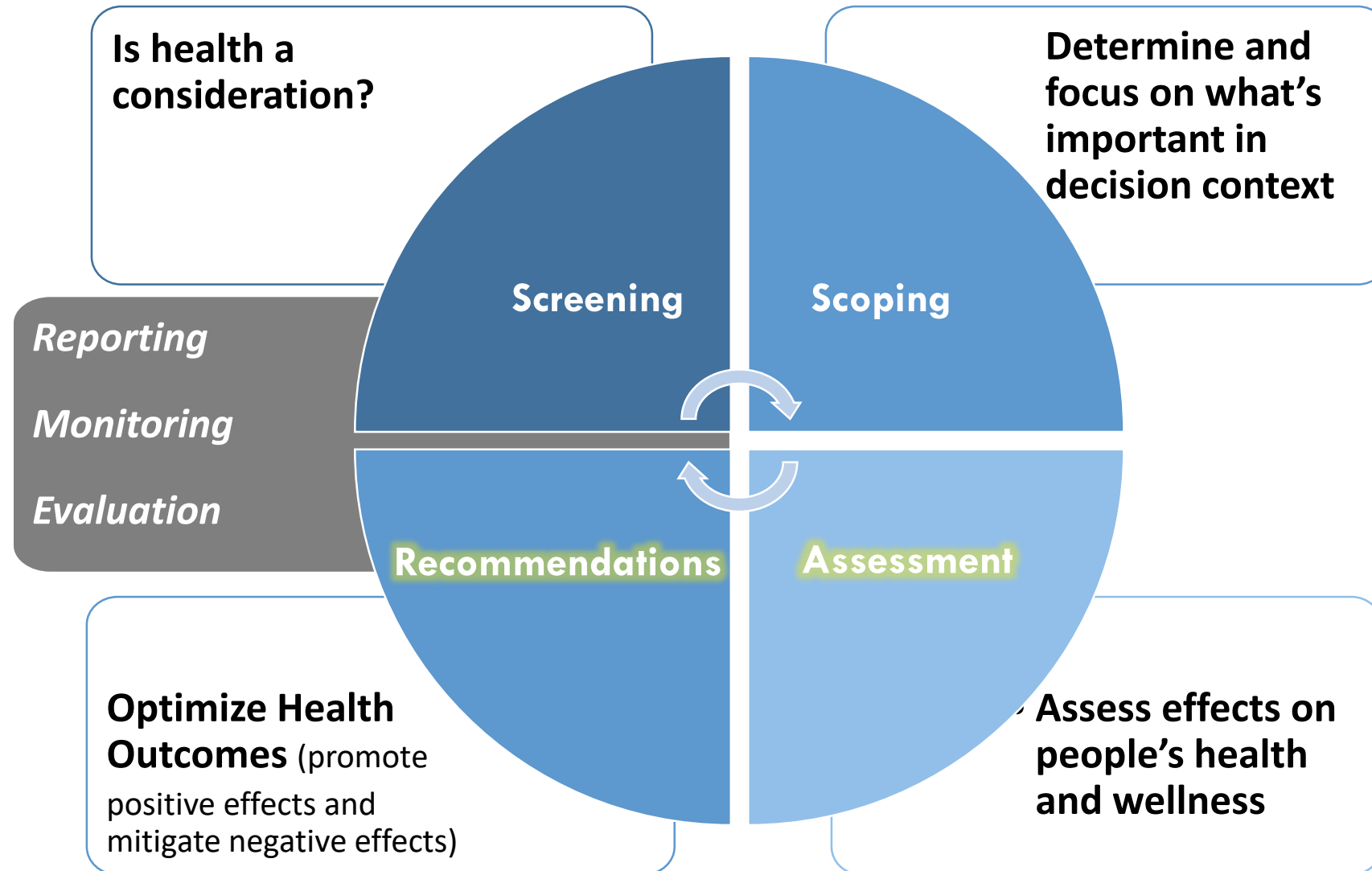


HIA Asks...

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



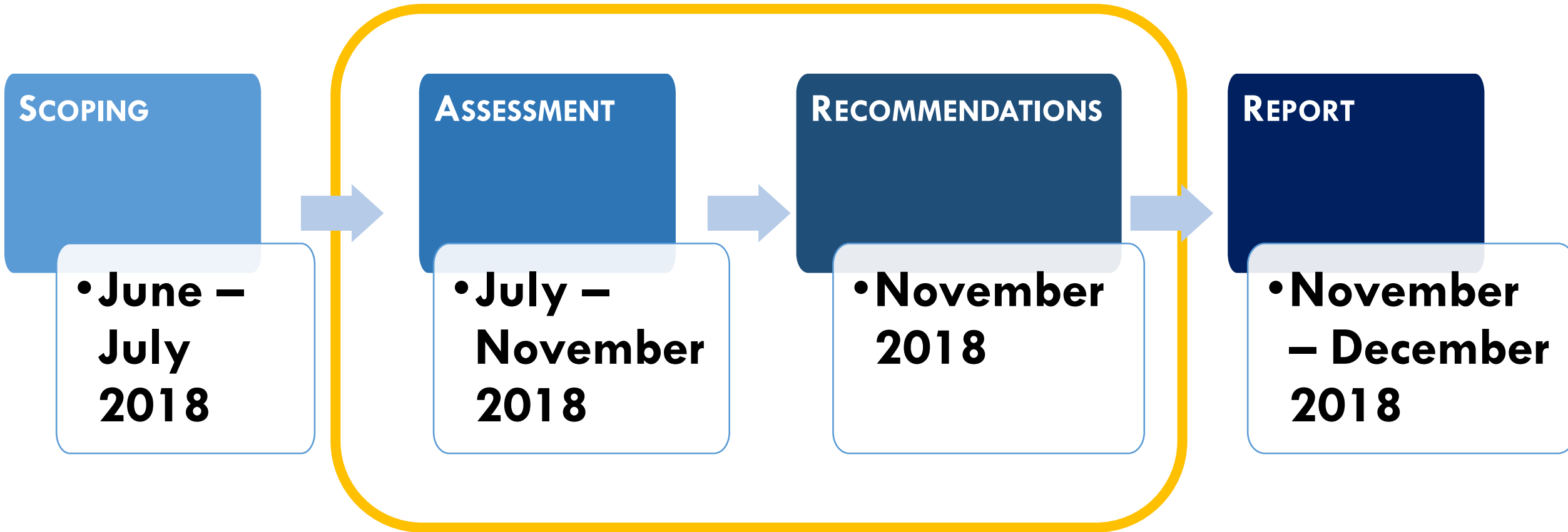
HIA Process



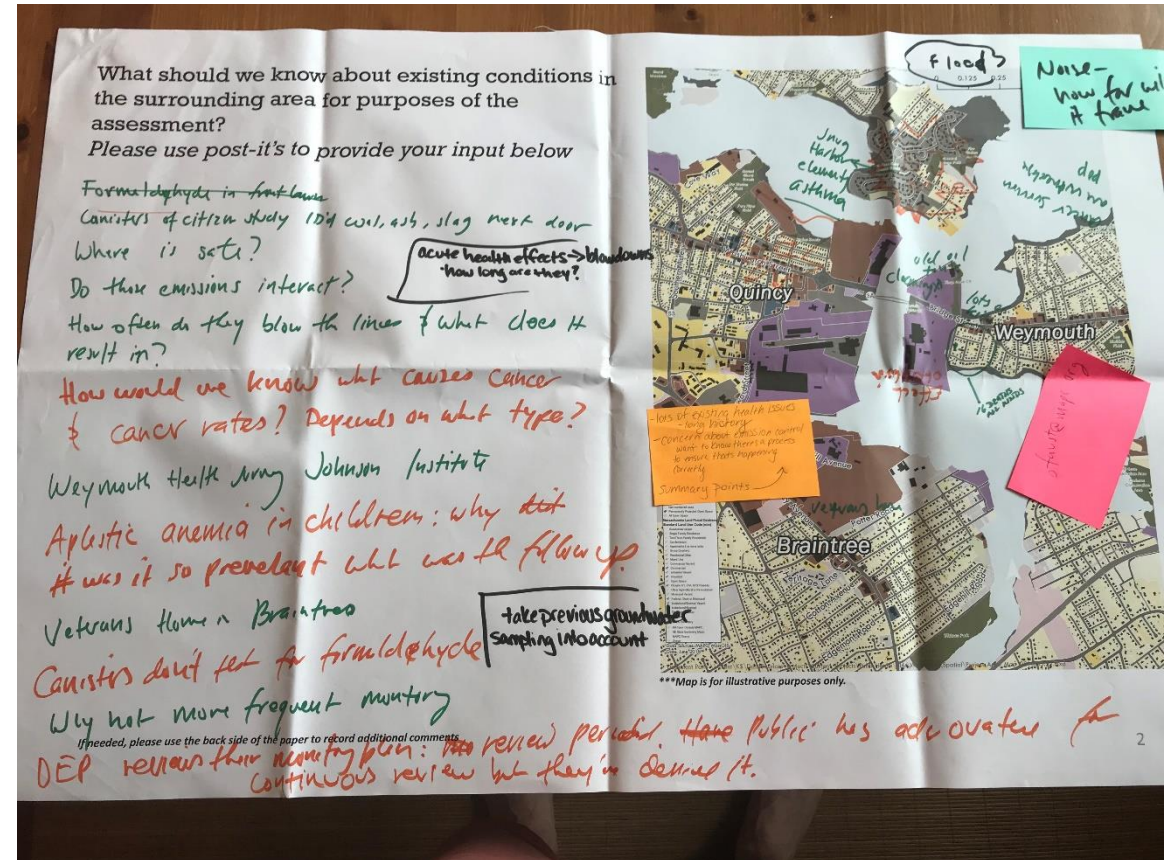
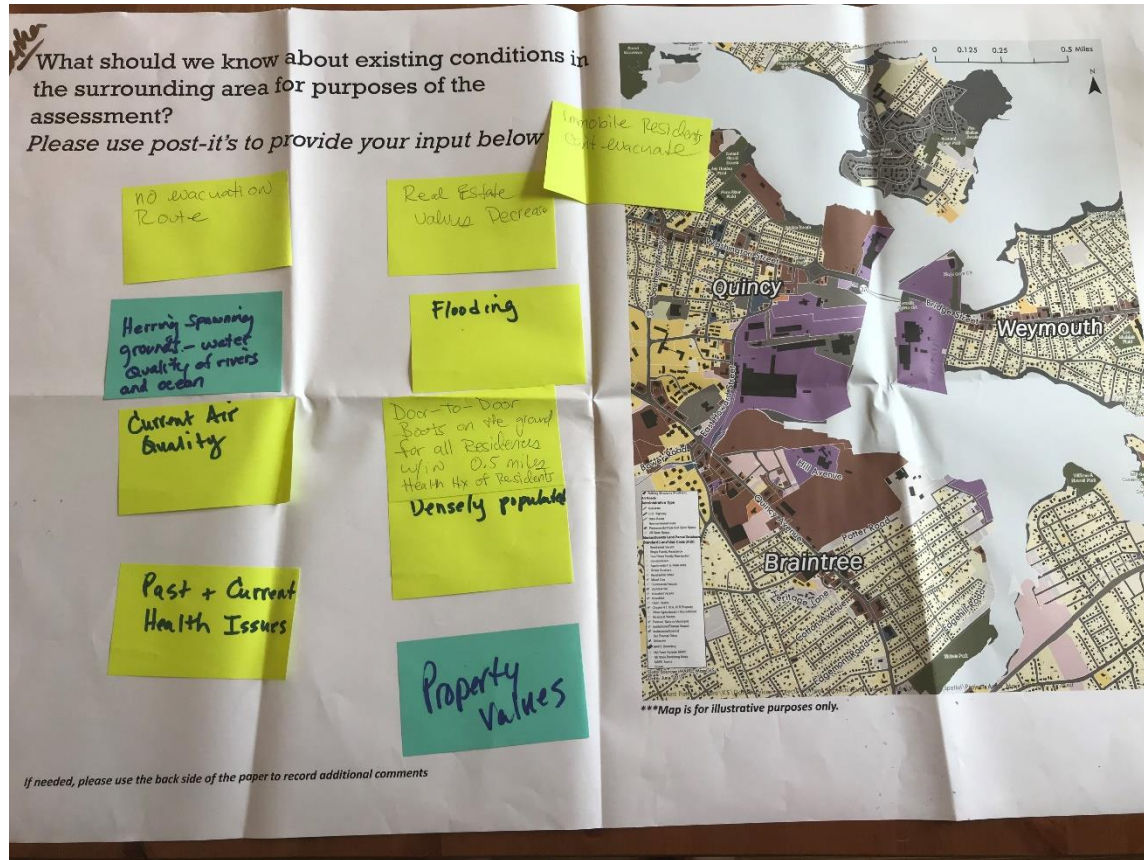
HIA Framework (*What HIA is/is not*)

- 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 Timeline



Scoping: Feedback from June Community Meeting

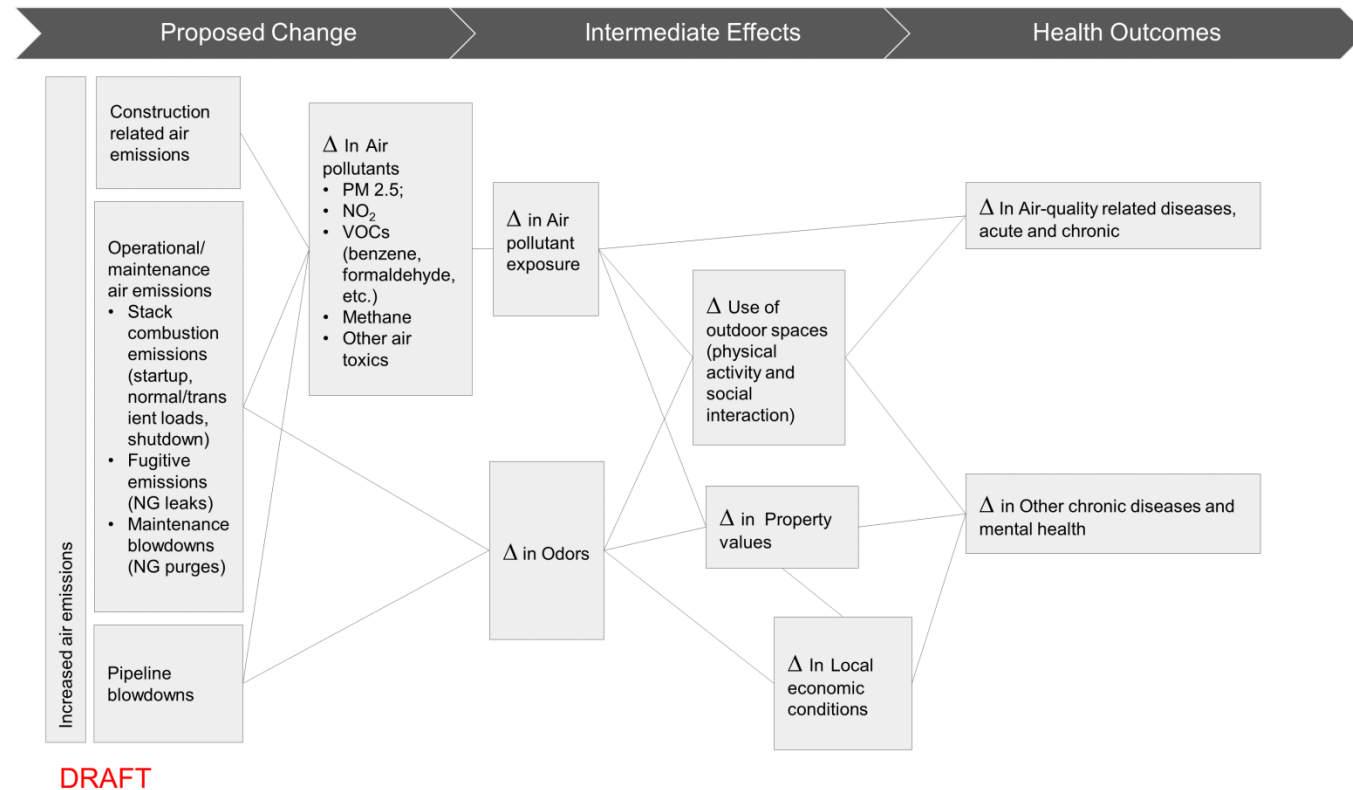


Scoping: Developing Impact Pathways

Three (3) Impact Pathways:

- Air Quality
- Noise
- Land Use/Natural Resources

Air Quality Pathway Diagram – Working Version



Assessment: Background

- Gathered and reviewed
 - Research
 - Previous HIAs
 - Previous studies of natural gas infrastructure
- Materials came from
 - Advisors
 - Team
 - Key informants
- Impacts
 - Direct: through mechanisms that occur from physical exposure to potential hazards
 - Other: through mechanisms such as stress

Assessment: Existing Conditions

- Air quality, including:
 - MassDEP air monitoring
 - Nearby air monitors
 - Community air monitoring
- Noise:
 - Ambient/background sound levels
 - Current and past studies
- Land Use/Natural Resources
 - Land use, natural resources, and real estate data
 - Current and past studies on animal and fish habitat
- Health Data
 - Asthma
 - COPD
 - Heart attacks
 - Cancer
 - Low birth weight
- Demographic Data
 - Age
 - Race/ethnicity
 - Economic

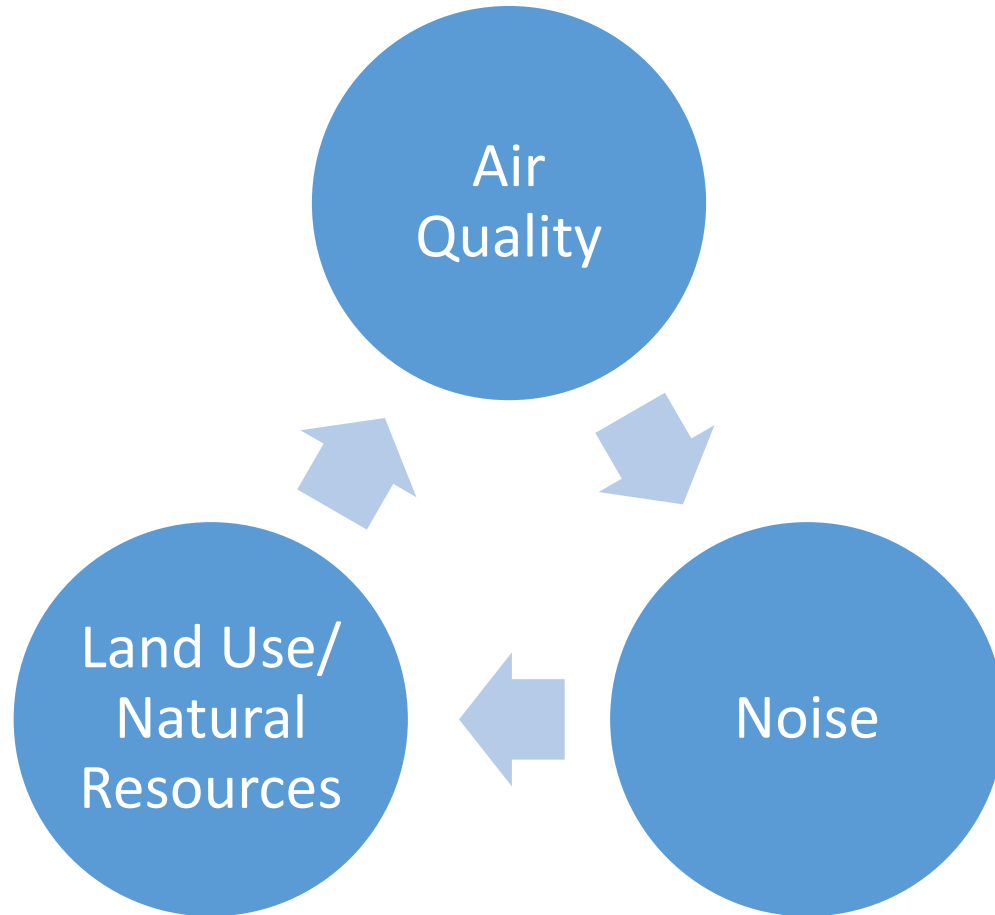
Assessment: Predicted Changes

Identified how conditions could change if the compressor were to be constructed as proposed:

- **Air quality** changes due to construction and operation of the station, including normal operations and intermittent operations (e.g., blowdowns)
- **Sound levels** changes that could alter noise levels in the area, including construction and continuous and intermittent operations of equipment at the compressor station
- **Land Use and Natural Resource** changes that could occur as a result of the development of the station, including re-use of a brownfield site and adjacency to conservation land

World Café Rotating Sessions

Room Layout and Rotations



- Approximately 20 minutes at each area
- Choose one area to begin
 - Summary of existing conditions and predicted changes
 - Discussion and feedback
- At time (first rotation), will be asked to rotate clockwise to next area
 - Participate in next impact pathway
- At time (final rotation), will be asked to rotate to the remaining area

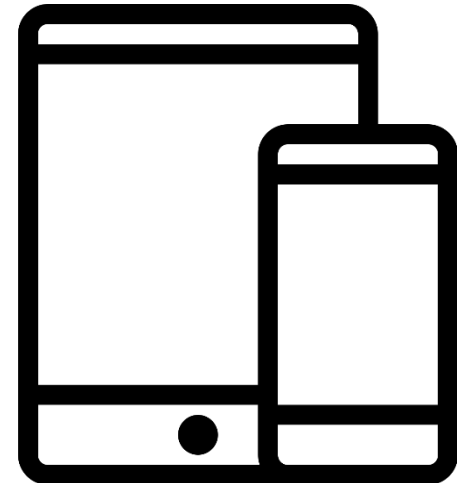
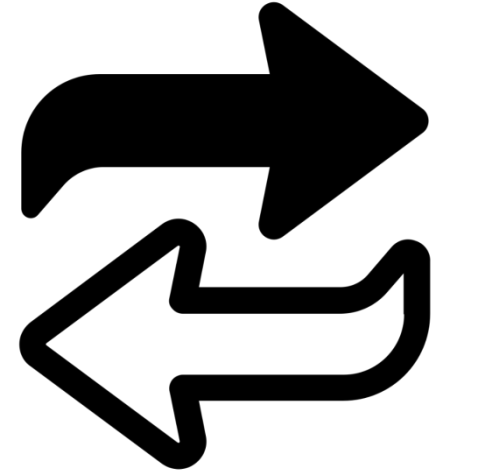
Recommendations

Based on what you have learned and what you know, if the compressor station were to be built as proposed , **what recommendations would you have to promote or mitigate potential impacts?**

Please visit to provide your ideas:

https://www.surveymonkey.com/r/HIA_Recs

We have tablets available tonight if you want to add ideas now, or please feel free to use your own mobile device.



Next steps

- Final meeting with Advisory Committee
- Preparation of HIA Report by MAPC, MDPH and MassDEP
 - Anticipated release December 2018

Thank you