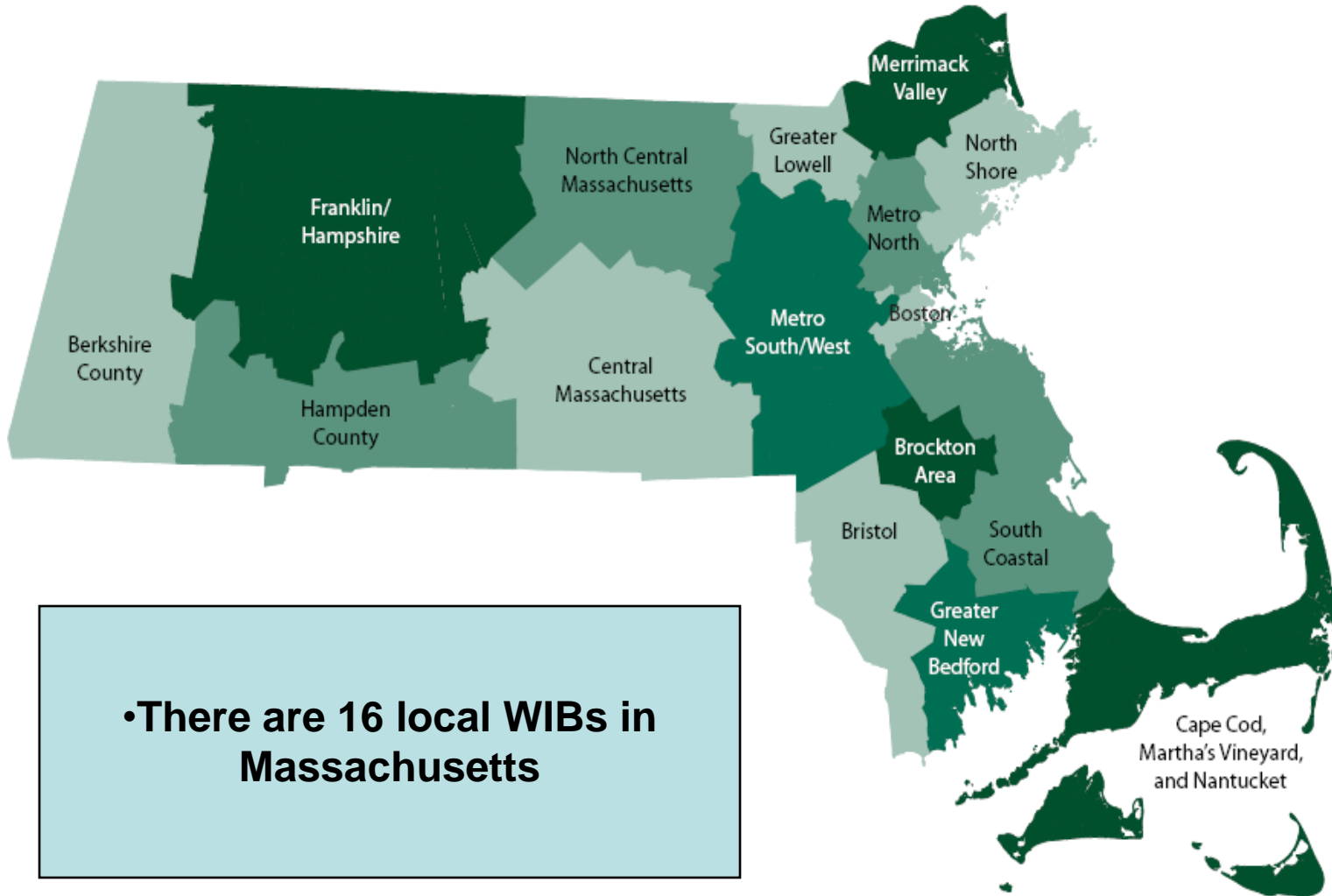


# Mid-Massachusetts STEM Pathways Initiative



# MA Workforce Investment Boards

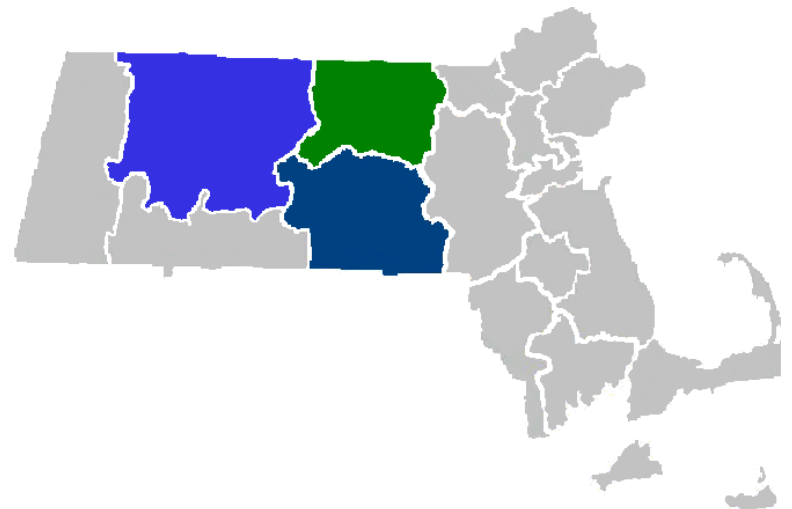


# Local Workforce Investment Boards

- WIBs mandated by Workforce Investment Act (WIA)
- Role of local WIB is to:
  - Develop the local Workforce Investment Plan
  - Disburse WIA funds and selection of eligible education/training providers for WIA funding
  - Oversight of WIA programs and activities, including One-Stop Career Centers
  - Coordinate workforce development activities
  - Connect workforce system to economic development efforts and employers

# Mid-Massachusetts STEM Pathways Initiative

- Funded through US DOL grant: *STEM Opportunities in the Workforce Initiative*; \$2 million over 3 years
- Partners & Providers:
  - CMREB, North Central MA WIB, and Franklin/Hampshire REB (and associated Career Centers)
  - MassMEP, Quinsigamond CC, Mount Wachusett CC, Greenfield CC, Springfield Technical CC and 4-year colleges
  - MA Rapid Response, Public Schools, CBO's, veteran's advocates, related STEM programs
  - Employers
- Target populations:
  - Dislocated workers
  - Disadvantaged youth
  - Veterans



# Mid-Massachusetts STEM Pathways Initiative

## Program elements:

- Focus on three Science-based manufacturing industries:
  - Bio-tech, Alternative Energy, Aerospace
- Coordination of remedial education in math, science, English through post-secondary education and training and into employment
- Create STEM “Centers of Excellence” at Career Centers & online resources

# Mid-Massachusetts STEM Pathways Initiative

## Program elements (Cont.):

- STEM Career Coaches with industry expertise located at the Career Centers;
  - Recruit and Assess potential participants
  - Develop “career blueprints” for education/training and employment goals with participants
  - Assign STEM Mentors
- STEM Mentors:
  - Recruited from Industry to support and motivate participants as they advance through education/training/employment

# Mid-Massachusetts STEM Pathways Initiative

## Anticipated outcomes:

- Outreach regarding STEM careers to 1,200 from target populations
- 90 participants enrolled in remedial math, science, and English classes (85 achieve gains)
- 100+ participants enrolled in MassMEP MOST program (84 pre-apprentice certified)
- 30 participants earn Apprenticeship credential
- 80 participants enrolled in Manufacturing Certificate programs
- 20 participants earning Associate or Bachelor Degrees in STEM fields
- Approximately 200 job placements

# Mid-Massachusetts STEM Pathways Initiative

## Next Steps:

- Develop timeline with DOL and partners
- Refine programs/activities with input from industry
- Connect with existing programs and providers
- Recruit staff and volunteer mentors from industry