

# Welcome!

- We will start the meeting in a few minutes.
- Please enter your name into the 'chat' so that we can document attendance.

Board of Directors Meeting

January 13, 2022



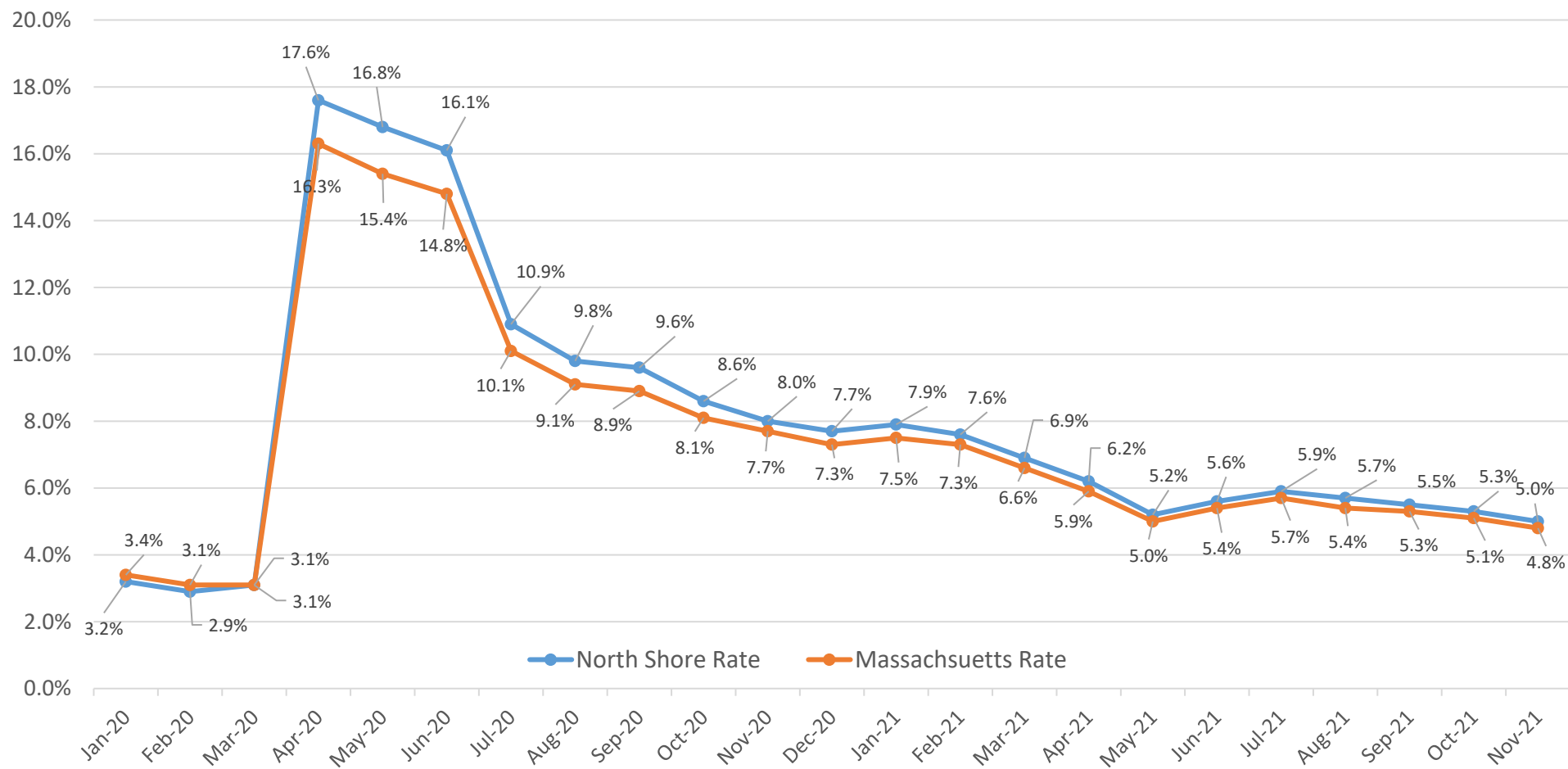
**NORTH SHORE  
WORKFORCE BOARD**

# Chair's Report

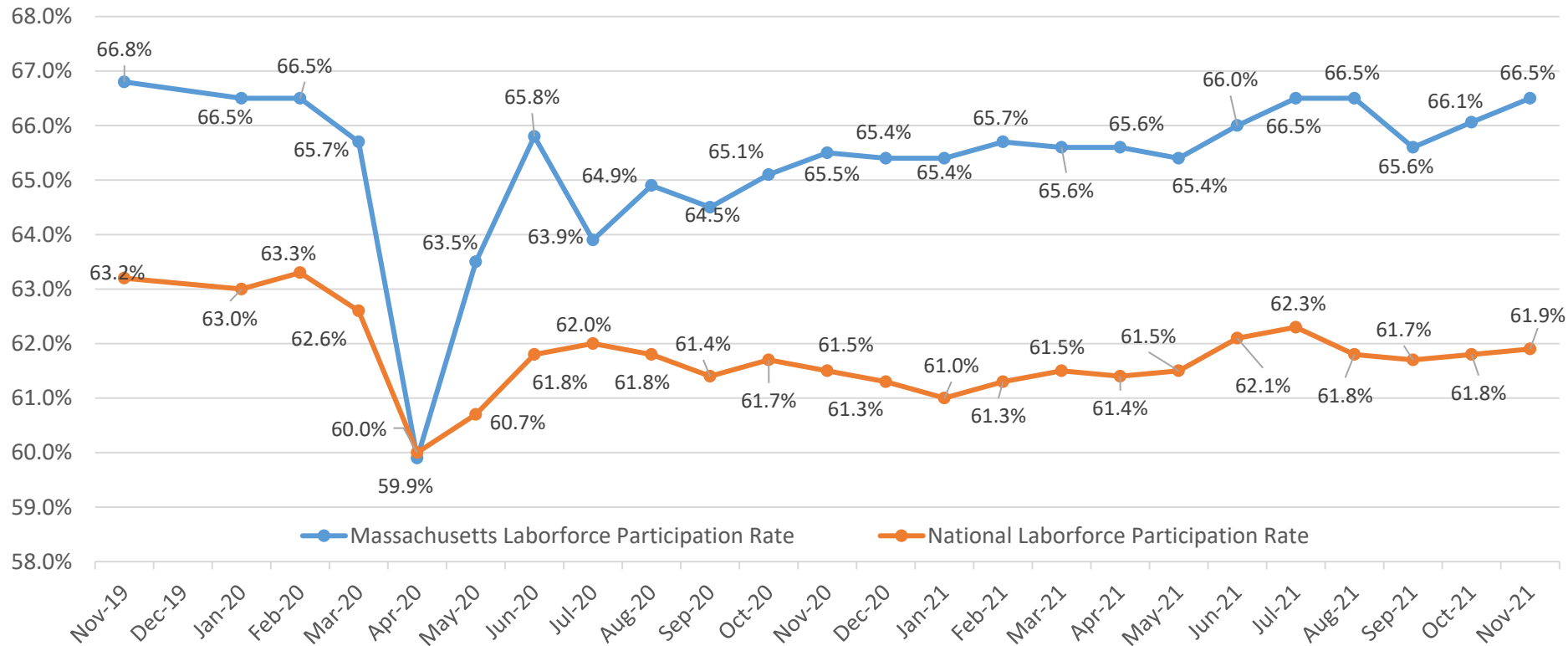
- A. Status of Lynn/NSCC Career Center Opening – move in February/March (supply chain issues with office furniture)***
- B. Status of Career Center services through COVID – still open to in-person services along with remote services***
- C. Other***

# *QUICK SNAPSHOT of the North Shore*

# North Shore & State Unemployment Rates



# Massachusetts Labor Force Participation



- Massachusetts labor force participation was 66.5% in November 2021
  - This is equal to the Feb 2019 Pre-Pandemic rate
  - 0.3% lower than the November 2019 rate of 66.8% (last normal)
    - A return to this rate would add 15,928 workers to the labor force

*Offshore Wind project coming to Salem – and  
what it means for our workforce.*



# SALEM OFFSHORE WIND

**North Shore Workforce Investment Board**

**January 13, 2022**

# AGENDA

- ▶ Overview of OSW Lease Areas
- ▶ Status of Gulf of Maine OSW
- ▶ Status of State Procurement
- ▶ Port of Salem
- ▶ Future Use
- ▶ Job Creation / Economic Impact
- ▶ Regional Coalition
- ▶ Workforce/Labor Needs
- ▶ Questions

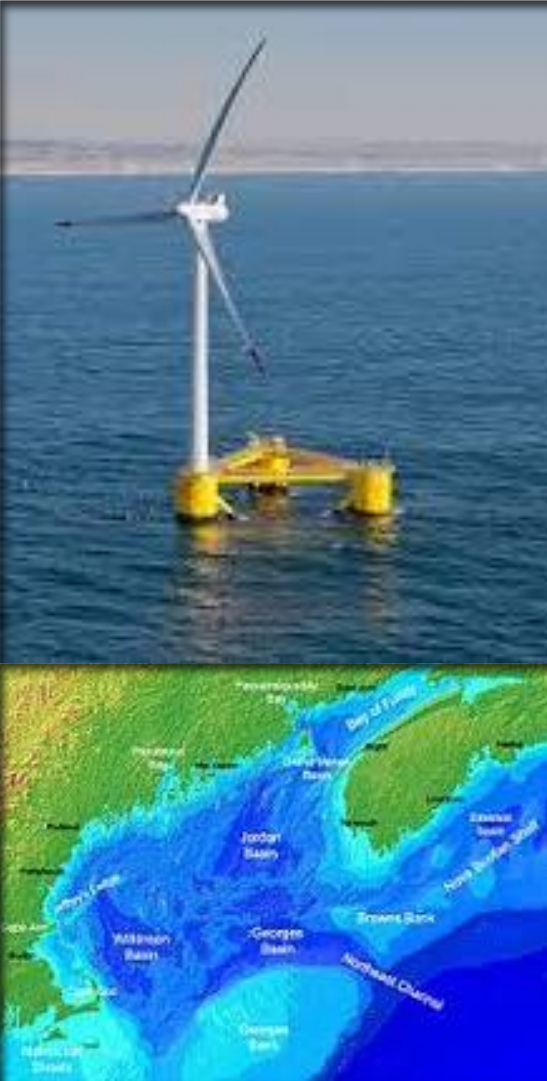






- 7 LEASE AREAS
- 1,418 MILES<sup>2</sup>
- 4 DEVELOPER TEAMS\*
- 5 PROJECTS W/ PPAS\*
- 5,600 MW\*

- Ørsted
- Vineyard Wind
- Equinor Wind US
- Mayflower Wind Energy



# STATUS: GULF OF MAINE

- ▶ BOEM formation of the Gulf of Maine Renewable Energy Task Force
- ▶ Representatives from MA, NH, ME, federal agencies and municipalities
- ▶ 1st meeting December 12, 2019
- ▶ October 13, 2021, Biden administration announced timeline to open GOM lease areas by 2025.

# STATUS: MASSACHUSETTS PROCUREMENTS

- ▶ 2018 §83C-1 was awarded to **Vineyard Wind** for 800MW
- ▶ 2020 §83C-2 was awarded to **Mayflower Wind** for 804MW
- ▶ 2021 §83C-3 was awarded to **Commonwealth Wind** by Vineyard Wind for 1200 MW and Mayflower Wind for 400MW
- ▶ 2400MW remaining in current authorization
  - ▶ 15,000MW (15GW) forecasted off MA by 2050
  - ▶ 30,000MW (30GW) forecasted off MA by 2050
  - ▶ 30,000MW (30GW) targeted in US by 2030 – requires approx. \$57B investment and 44,000 workers employed by 2030\*
    - ▶ 31,000 development, supply chain, port and installation jobs
    - ▶ 13,000 operations and maintenance-related jobs



# PORT OF SALEM





# ANTICIPATED FUTURE USE

- ▶ Upon award of Commonwealth Wind, Crowley Maritime to purchase/operate port with leases to the Vineyard Wind partners (Avangrid / CIP)
- ▶ Site to serve as construction staging for projects south of cape – future GOM work possible.
- ▶ Benefits to Salem expected to include:
  - ▶ Increased commercial tax revenues
  - ▶ Hundreds of jobs during both construction and operation
  - ▶ \$150+ million in private/federal/state port infrastructure investment

# JOB CREATION / ECONOMIC IMPACT

## ► **Port Development Direct Economic Benefits (2023 - 2025):**

- Acquisition and development cost estimated at \$150M
- Creation of approximately 400 FTE job years during site buildout (avg. 200/yr)

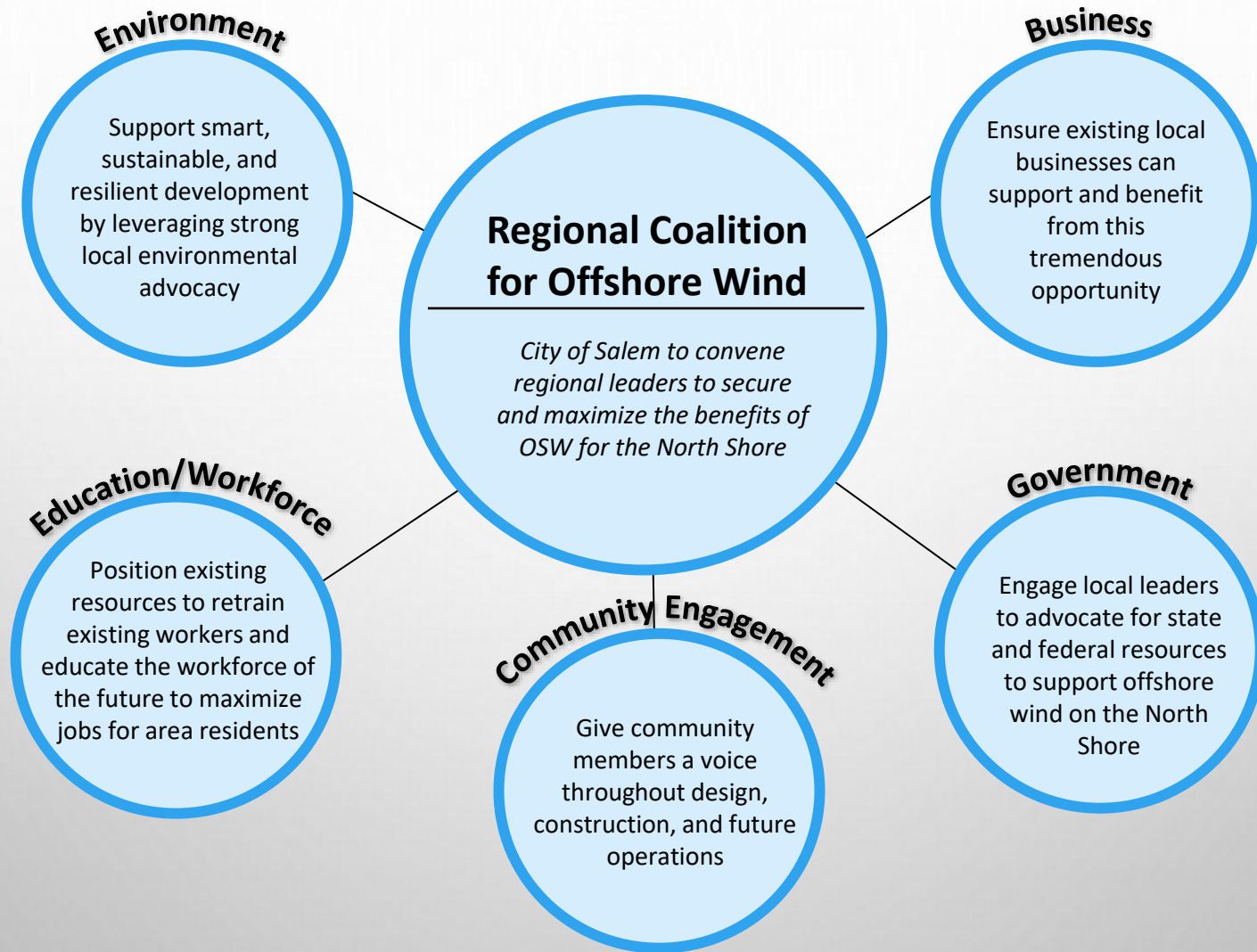
## ► **Port Operation Direct Economic Benefits (2025-2030):**

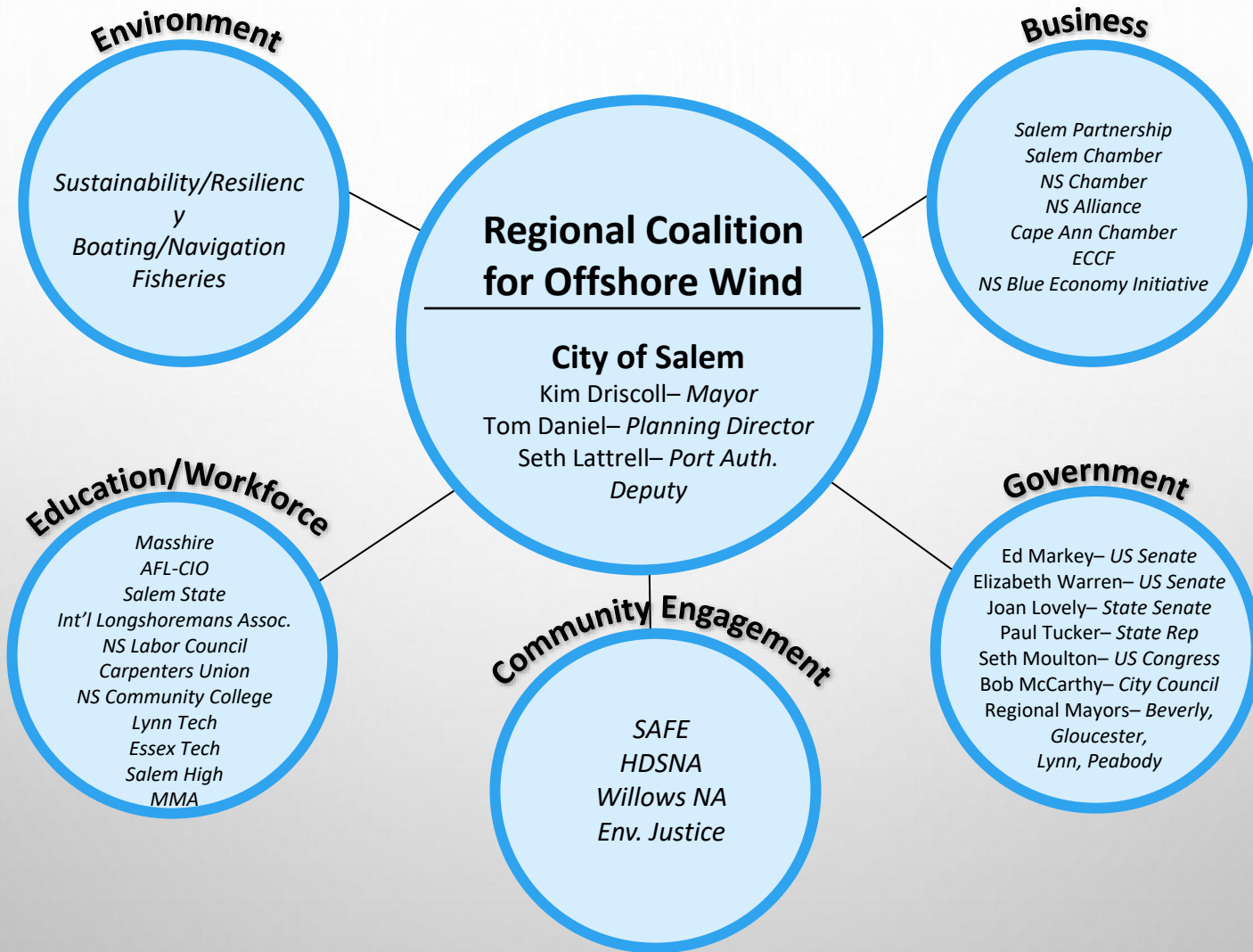
- Up to \$180M in additional investment
- Creation of approximately 500 FTE job years over first 5 years including port operations, wind turbine marshalling, and offshore construction (avg. 100/yr)

## ► **Total Economic Benefit direct and inducted (Up to 2030):**

- Up to approximately 535M in investment
- Creation of up to 1,850 FTE Job Years
- 20-yr projections yield as much as \$1B in economic activity generated by port (assuming 75% utilization)

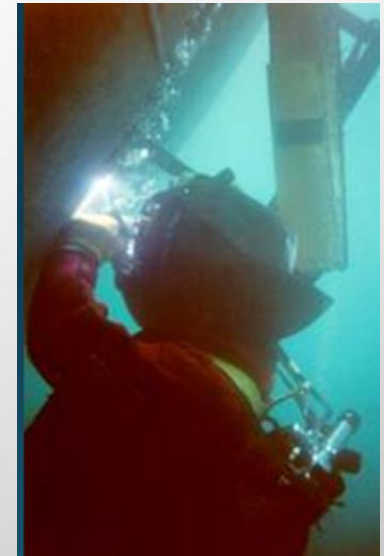
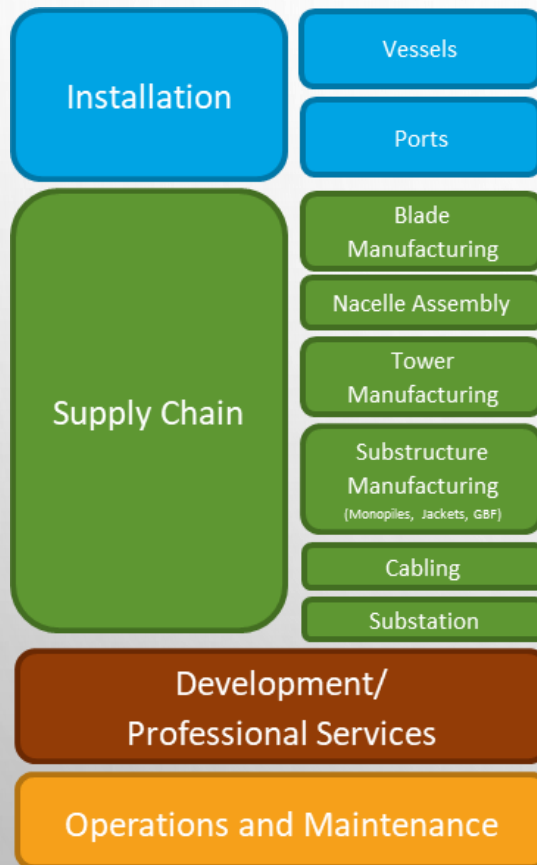








# ANTICIPATED WORKFORCE/LABOR NEEDS



Source: NREL, Offshore Wind Workforce Road Map, Aug 24, 2021



QUESTIONS?

Seth Lattrell

[SLattrell@salem.com](mailto:SLattrell@salem.com)

978.619.5685

# Vessel Workforce, Wind Turbine Installation, WTIV

Role	Category	Number of Engaged Crew
Captain/Master	Marine Crew	1
Mates (Chief/First, Second, Third)	Marine Crew	3
Bosun/Boatswain	Marine Crew	1
Sailors and Marine Oilers (ordinary and able seamen)	Marine Crew	18
Pilot	Marine Crew	1
Ship Engineers (Master/Chief/First, Second, Third, Fourth, Cadet), Electro-technical Officer	Marine Crew	6
Crew Services	Marine Crew	4
Construction Manager/ Engineer	Engineers/Management/Oversight	1
Turbine Package Manager	Engineers/Management/Oversight	1
Project Engineer/ Assistant Engineer	Engineers/Management/Oversight	3
HSE Officer/ Advisor	Engineers/Management/Oversight	3
QC/QA Officer/ Specialist	Engineers/Management/Oversight	3
Main/ Auxiliary Crane Operator	Installation Crew	6
Rigger/ Roustabout	Installation Crew	12
Heavy Lift Supervisor, Surveyor, Monitor	Installation Crew	7
Wind Technicians	Wind Turbine Technicians	9
Total Crew		79

## *Final Cherry Hill Park Report*

### *Primary goals established:*

- *Establishing a direct shuttle or vanpool from the communities of Lynn, Peabody, and Lawrence to the Cherry Hill industrial park.*
- *Explore Micro Transit options that better connect Cherry Hill Park with local destinations like Beverly Depot and nearby shopping, services, and residential areas.*
- *Participate in zoning processes related to the new Multi-Family Zoning Requirement for MBTA Communities.*
- *Conduct an on-site childcare feasibility study for the Cherry Hill Park*

*Next steps: Centennial Park (working with North Shore Alliance for Economic Development)*

## ***Training program updates –***

### **GE Foundation/AMTEP:**

- CNC Machinist program – beginning January 2022
- On-going training into 2025

### **Commonwealth of MA/Career Technical Initiative:**

- HVAC, Welding, Construction Labor – January 2022
- Electro-Mechanical Assembly - February 2022
- Additional Programs Anticipated for two to three years

### **WIOA Training:**

- Multiple training opportunities including; administrative, medical, CDL, IT, Lean Project Management.

### **Healthcare Hub:**

- Medical Assist/Certified Nursing Assist/Bridge to Nursing – through June 2023
- Various Behavioral Health Training Programs for Incumbent Workers in Community-Based Agencies – through December 2022

# Upcoming meeting schedule for FY 2022 – 8:00 AM

*March 10, 2022*

*May 12, 2022*



**NORTH SHORE  
WORKFORCE BOARD**

# Updates from Members

## General Updates/Concerns/Ideas from Members

# Committee Reports

## **Workforce Systems Committee – December meeting updates**

Virtual meeting held

Discussed enhancing goals and objectives to embrace/develop strategies to help employers and job seekers to reskill and grow post-COVID 19 – in particular those who have permanently lost employment

Discussed the Career Technical Initiative (CTI) / Essex Tech – and Career Center involvement

Updated committee members on HUB grant, IT proposal, and regional planning efforts

Shared partners' approach and programming during 'stay at home' order



# Committee Reports

## **Skills Committee – December meeting updates**

Virtual meeting held

Discussed enhancing goals and objectives to embrace/develop strategies to help employers and job seekers to reskill and grow post-COVID 19 – in particular those who have permanently lost employment

Discussed the Career Technical Initiative (CTI)/Essex Tech – and Career Center involvement

Updated committee members on HUB grant, IT proposal, and regional planning efforts

Shared partners' approach and programming during 'stay at home' order

# Committee Reports

## Youth Pipeline Committee – December meeting updates

Virtual meeting held

Discussed committee goals and objectives for upcoming year

Discussed WIOA programming and performance – promoting more of an occupational focus/training, including CTI funding

Reviewed F1rst Jobs and outcomes of virtual and in-person work experiences during summer 2020 and next steps for summer 2021

Reviewed changes (increased \$) in YouthWorks year-round programming

Shared partners' approach and programming during 'stay at home' order