



WINTHROP VISIONING 2030 a two-part online open house

ONLINE VISIONING OPEN HOUSE - 30 MAY 2020



**HOUSING - ECONOMIC DEVELOPMENT - TRANSPORTATION -
OPEN SPACE - EDUCATION - FACILITIES & ENERGY -
CLIMATE RESILIENCE - OPERATIONAL SERVICES**

Kindly wait while "Part 1: A Real-time Zoom event" begins shortly.

**THIS COMMUNITY OPEN HOUSE ZOOM EVENT IS BEING RECORDED AND WILL BE SHARED ONLINE
FOR THE BENEFIT OF COMMUNITY MEMBERS WHO WERE UNABLE TO PARTICIPATE.**

winthrop visioning 2030

a two-part online open house workshop

ONLINE VISIONING OPEN HOUSE – 30 MAY 2020

**HOUSING
TRANSPORTATION
SCHOOLS/EDUCATION
CLIMATE CHANGE RESILIENCE**

**JOBS & ECONOMIC DEVELOPMENT
OPEN SPACE
FACILITIES & ENERGY USE
OPERATIONAL SERVICE DELIVERY**

This community open house Zoom event is being recorded and will be shared online for the benefit of community members who were unable to participate.

Thank you for joining us during this challenging time. This visioning process is aimed at having collective ideas and next steps in place for when a sense of normalcy returns.



INTRODUCTION & AGENDA

PURPOSE

1st public visioning forum
8 planning topics
community visioning
for actions & planning

WHO?

Town of Winthrop
Win2030 Steering Committee
MAPC consultants
Community participants

A TWO-PART ONLINE OPEN HOUSE

Part 1: A real-time Zoom event
Part 2: Online open house “room”
through June 2020 at
mapc.ma/winthrop2030



INTRODUCTION & AGENDA

WIN2030 TEAM & COMMITTEE



Austin Faison
Town Manager



Carlos J. Montañez
Principal Planner & Project Manager



Christian Brandt
Community Engagement Coordinator



Ralph Willmer, FAICP
Principal Planner & TAP Manager



Julie Curti
Senior Clean Energy & Climate Planner



Sasha Shyduroff
Clean Energy & Climate Planner II



Courtney Lewis
Regional Land Use Planner



Mark Racicot
Land Use Planning Director

COMMITTEE MEMBERS

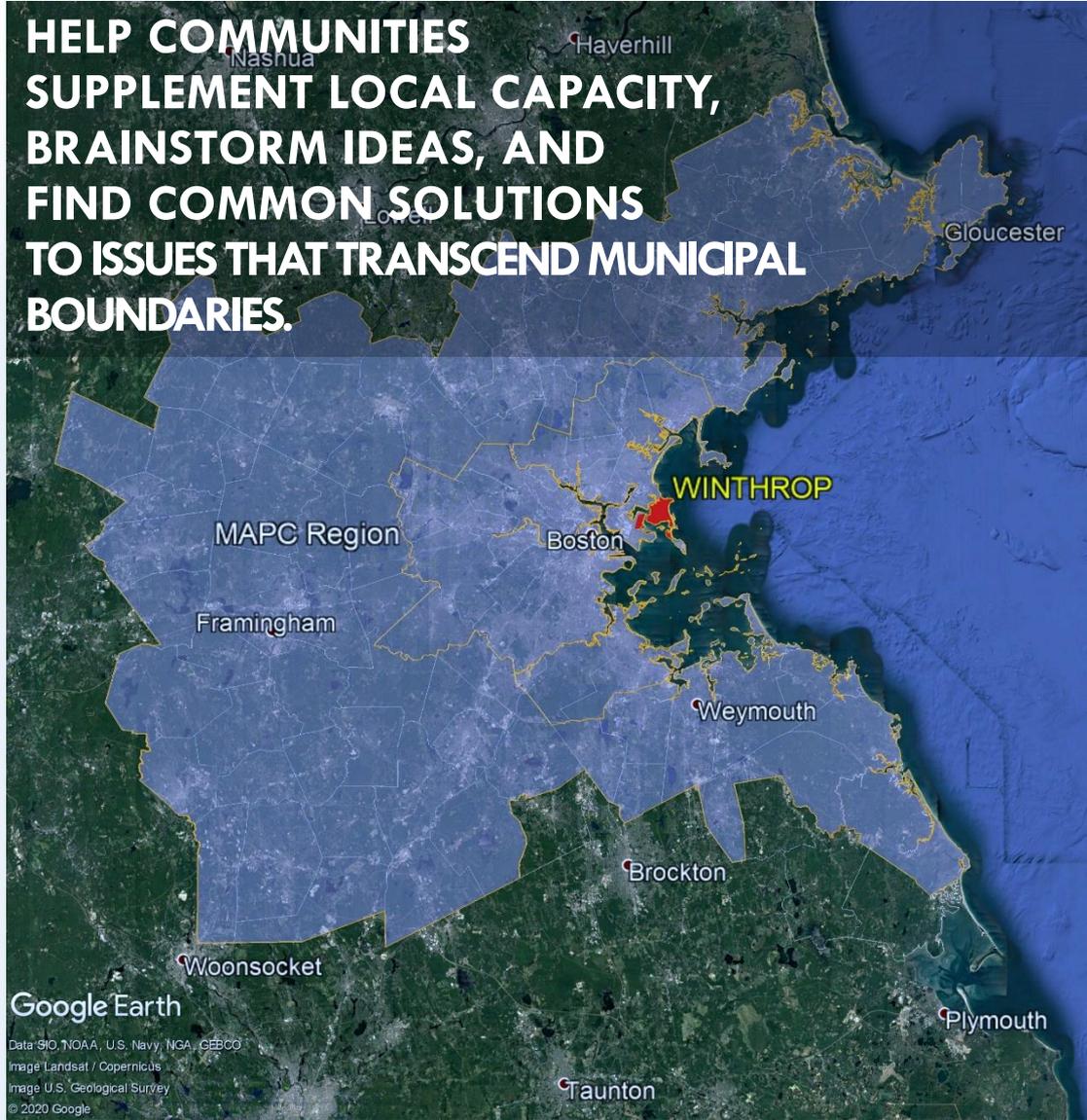
Peter Christopher
Wendy Millar Page
Jennifer Powell
Betsy Shane

Robert Carroll
Julia Wallerce
Ron Vecchia

and community participants like you

BACKGROUND – REGIONAL PERSPECTIVE

**HELP COMMUNITIES
SUPPLEMENT LOCAL CAPACITY,
BRAINSTORM IDEAS, AND
FIND COMMON SOLUTIONS
TO ISSUES THAT TRANSCEND MUNICIPAL
BOUNDARIES.**



Google Earth

Data: GIO, NOAA, U.S. Navy, NGA, GEBCO
Image: Landsat / Copernicus
Image: U.S. Geological Survey
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REGIONAL PLANNING AGENCY

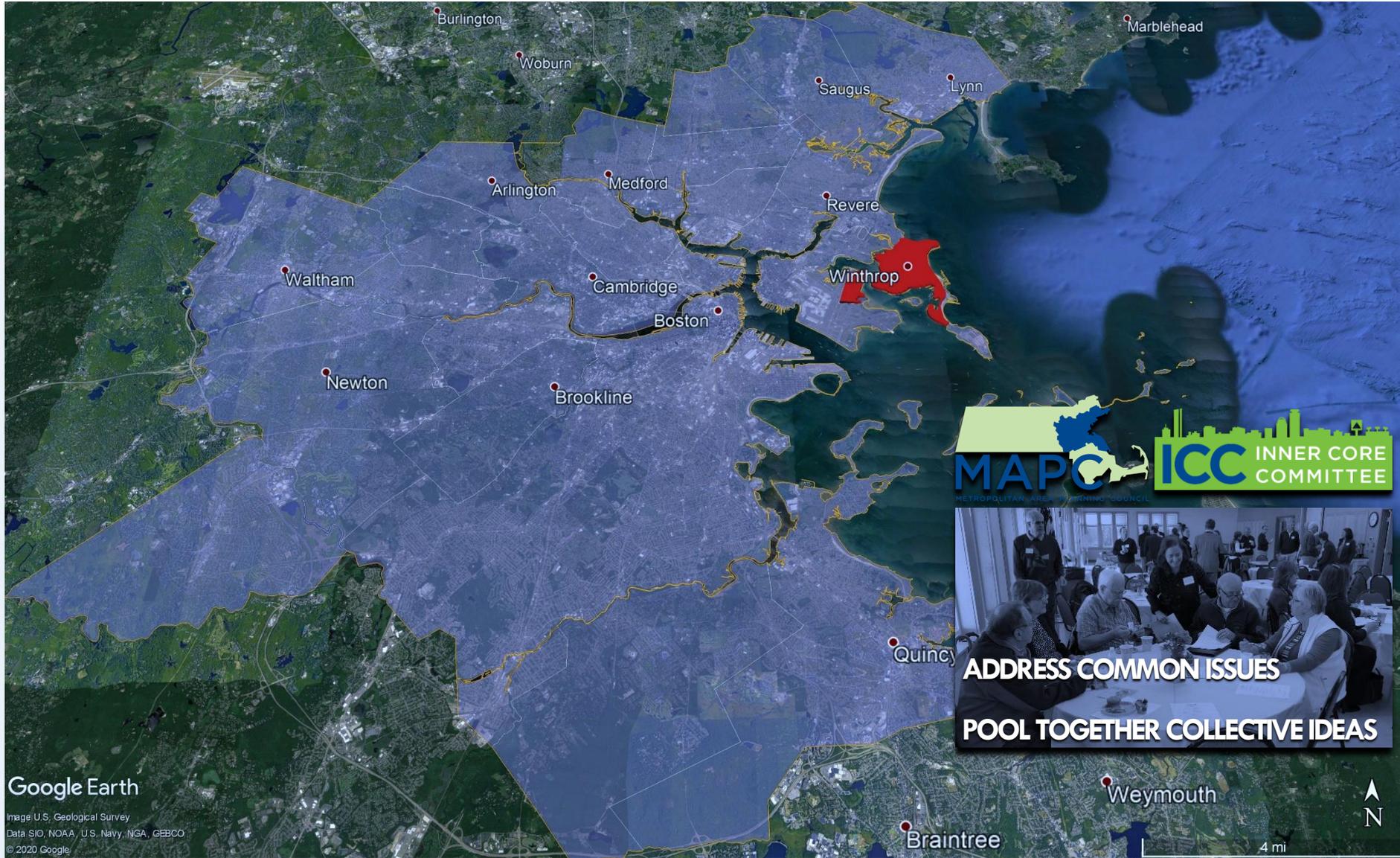
**PUBLIC CONSULTANCY,
TECHNICAL ASSISTANCE
RESOURCES AND SERVICES**



20 mi



BACKGROUND – SURROUNDING COMMUNITIES

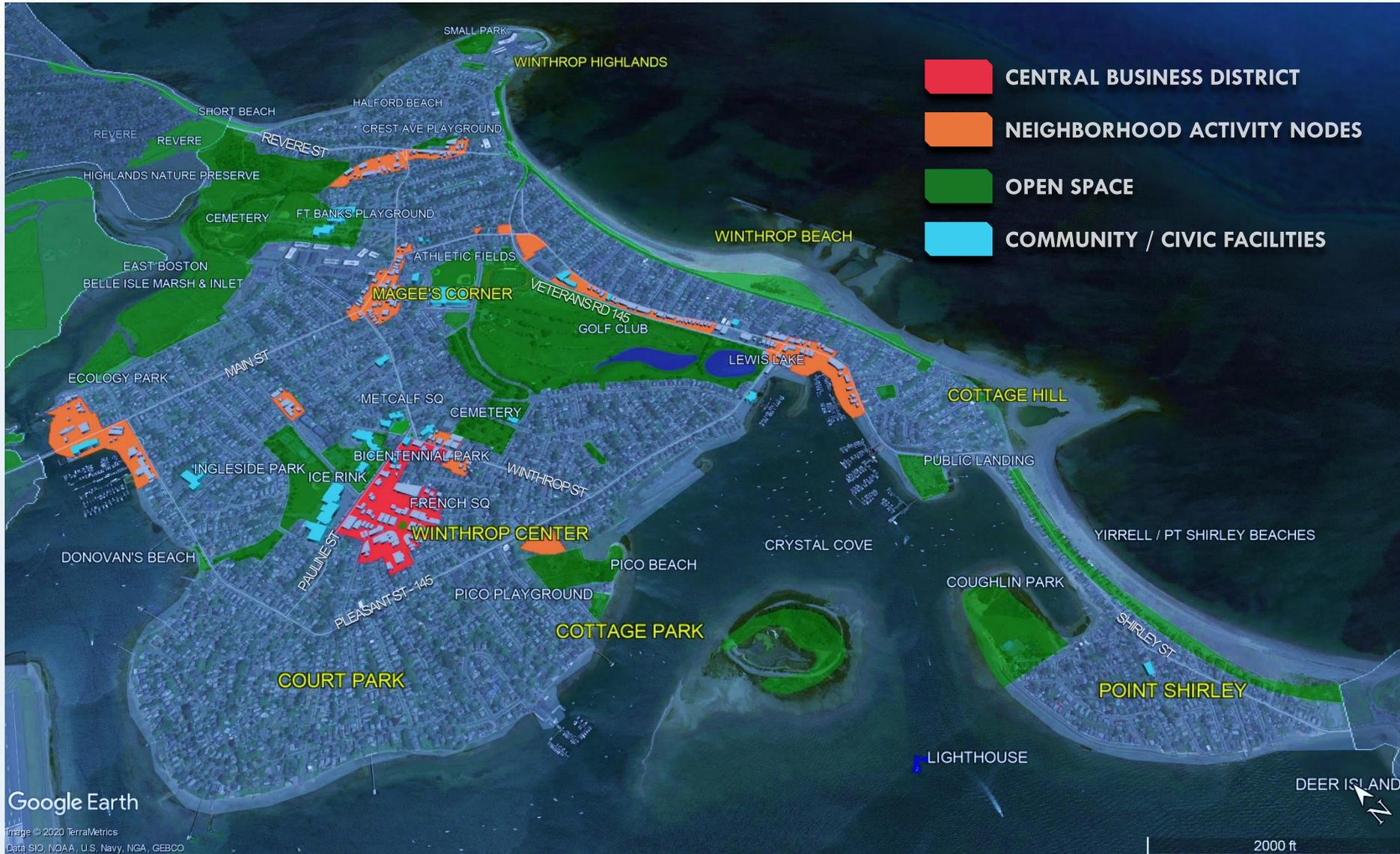


Google Earth

Image U.S. Geological Survey
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
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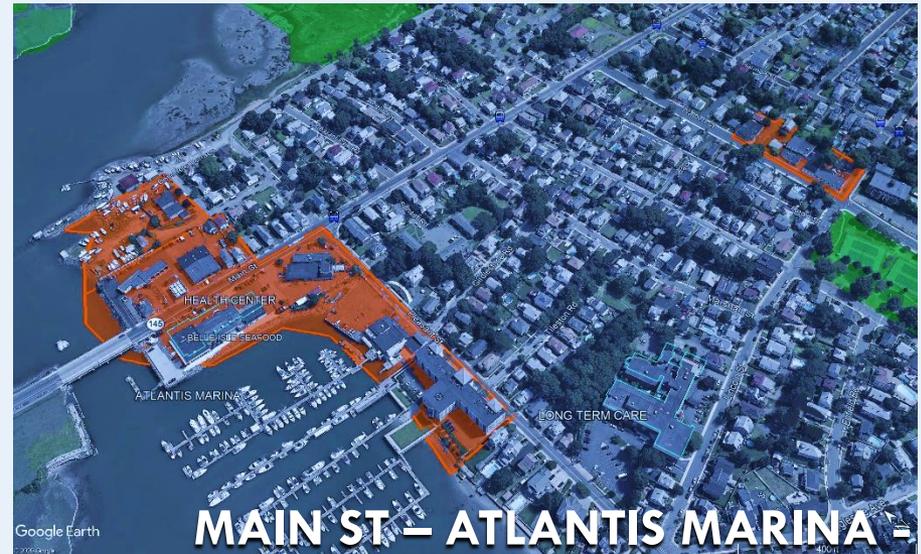
TOWN OVERVIEW

BUSINESS/ACTIVITY NODES, OPEN SPACES, MAJOR ROADS



TOWN OVERVIEW – BUSINESS / ACTIVITY NODES

NEIGHBORHOOD ANCHORS – CIVIC, SHOPPING, JOBS, SOCIAL



TOWN OVERVIEW

land area

1.6 square miles

distinct neighborhoods, village activity centers, coastal community
multifamily homes, smaller apartment buildings

OUTSTANDING PHYSICAL ENVIRONMENT, scenic landscape

MANY UNDERUTILIZED COMMERCIAL PROPERTIES

building value less than land value - **GENERATES LIMITED REVENUE**

population

DECLINING WHILE AGING

17,487 – US Census 2010

94% white, 2% black, 3% latino, 1% asian

19% – 65 years and over - ACS 2019

median age rose from 33 to 44 (1960-2010)



income

lower than State average

7% - ACS 2012

median household income

\$68,322

median family income

\$93,201

median non-family income

\$37,457 - ACS 2014-2018

educ. attainment

lower than State average – 11% v. 17%

lower high school diploma, & bachelor's degree and above

TOWN OVERVIEW

transportation

HIGHER PUBLIC TRANSP. USE - than State average

SHORTER TRANSIT COMMUTES TIMES - than comparison communities

economy

LOWER LOCAL JOBS RATIO – 0.2 jobs per resident in labor force

daytime population declines, impacts local businesses

challenge/opportunity – strategies to attract & grow

LOST 41% or 1,100 local jobs - 1990-2010

OPPOSITE TREND OF COMPARISON WATERFRONT COMMUNITIES

68% RETAIL LEAKAGE

residents' spending on retail goods out of town - \$204M – UMassBoston 2014

most residents work in: management, business, science, arts, sales and office

most local jobs: educational/health services, leisure/hospitality, trade/transportation/utilities

COMMITTED, SMALL BUSINESS COMMUNITY

WHY CREATE A COMMUNITY VISION?



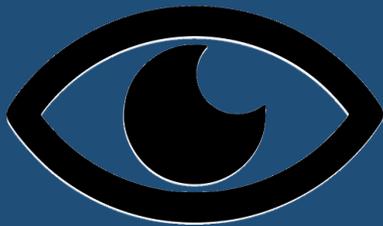
**COMMUNITY
INPUT**



**GOALS &
RECOMMENDATIONS**
specific & actionable



CONSISTENCY



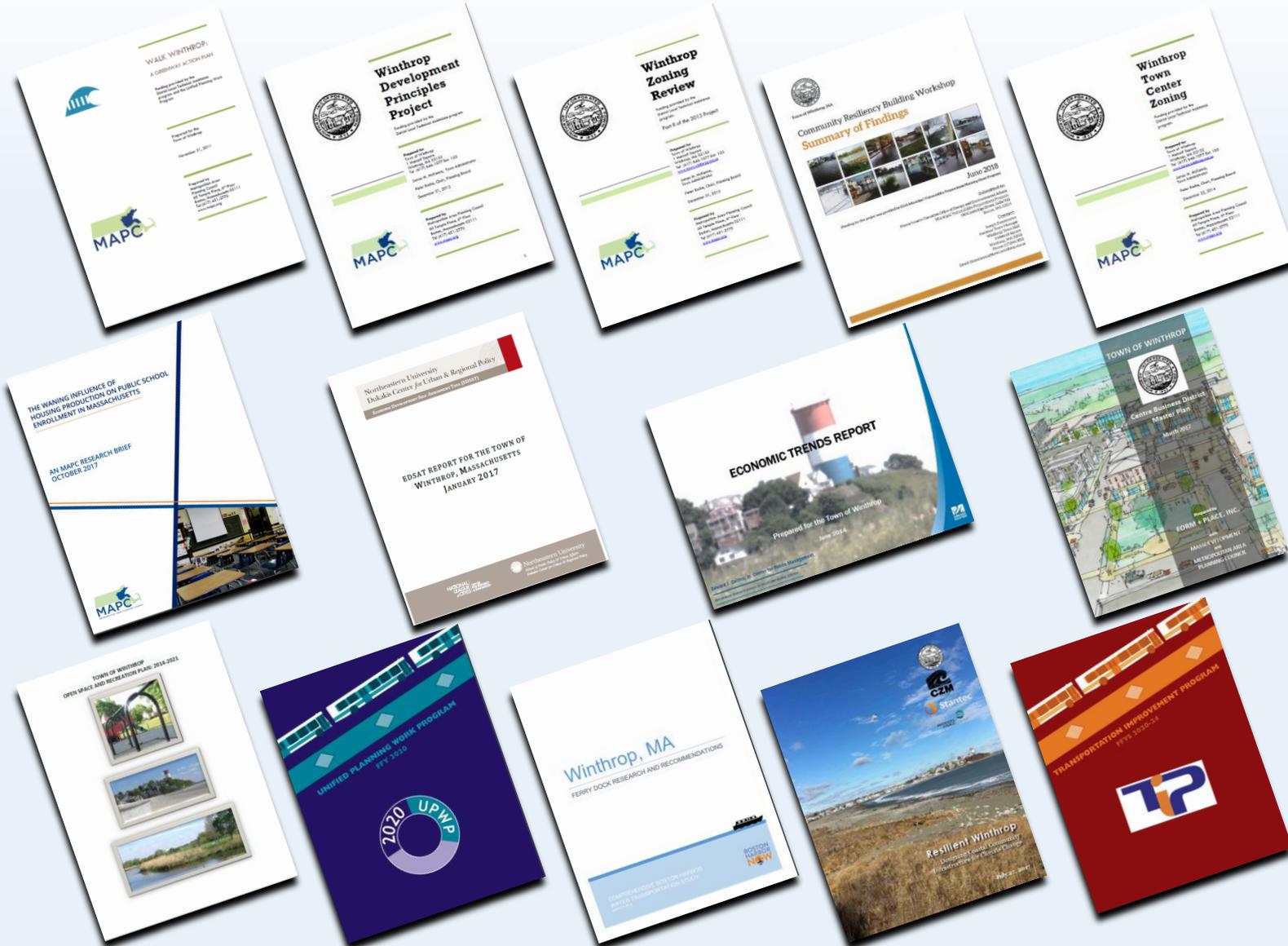
**VISION
STATEMENT**



**DECISIONS &
ACTIONS**
zoning, investment, marketing

BACKGROUND - PRIOR STUDIES

PERTINENT KEY INSIGHTS ONLY – BROAD OVERVIEW TO INFORM DISCUSSION



OPEN HOUSE FORMAT

PART 1

TODAY'S ZOOM EVENT

BACKGROUND INFO

WORKSHOP TOPICS

informational slides
with poll questions

BREAKOUT GROUPS

small group discussions

PART 2

OPEN HOUSE "ROOM"

at mapc.ma/winthrop2030
until June 2020

Opportunity for

those unable to participate
during today's
5.30.2020 Zoom event

for you to review
at your own pace

Share link
with friends and family

VISIONING TOPICS INFORMATION

HOUSING
OPEN SPACE
SCHOOLS/EDUCATION
CLIMATE CHANGE RESILIENCE

JOBS & ECONOMIC DEVELOPMENT
TRANSPORTATION
FACILITIES & ENERGY USE
OPERATIONAL SERVICE DELIVERY

Thank you for joining us during this challenging time.

The following topics are aimed at having collective ideas and next steps in place for when a sense of normalcy returns.



HOUSING

residential areas & housing choices?

HOUSING CHALLENGES & OPPORTUNITIES?

AGING-POPULATION

51% of cost-burdened households with head of households 65 and over (1,107 - ACS 2013-2017)

19% – 65 years and over - ACS 2019
median age rose from 33 to 44 (1960-2010)

COST-BURDENED

44% households – spend >30% ACS 2014-2018
23% spend more than 50% on housing
37% owner-occupied v. 53% renter-occupied

HOUSING STOCK

36% single-family	5%	5 to 9 units
27% two-family	4%	10 to 19 units
13% 3 to 4 units	14%	20 units & over

HOUSEHOLDS

57% family households
43% non-family households

TOWN SHI COMPLIANCE

7.7% in Town Subsidized Housing Inventory - below minimum 10%
41 to 83 min. annual units for Ch. 40B relief
proactive local siting of suitable areas?
annual production targets for local control

for consideration?

Vertical, in-fill redevelopment opportunities to accommodate housing demand?

Flexibility with residential regulations to accommodate accessory dwellings?

Address housing challenges as an interconnected economic development strategy related to population and business loss?

Options for downsizing, seniors, cost-burdened?

HOUSING – CONNECTION TO OTHER GOALS? CHALLENGES & OPPORTUNITIES?

ACCESSORY DWELLINGS?

Legalize for safety and compliance?

Strategy for addressing affordability & demand?



MIXED-USE STRATEGY?

Leverage potential redevelopment infill opportunity sites for both housing and economic development goals?

Upper-story residential over businesses?

Small parcel sizes remain a challenge for redevelopment. Lot consolidation?



FLOOD RESILIENCY?

For homes' ground floors, and basement/garden-levels?



HOUSING – MIDDLE SCHOOL SITE AS A CATALYST?

MIDDLE SCHOOL FEASIBILITY STUDY

SIGNIFICANT OPPORTUNITY

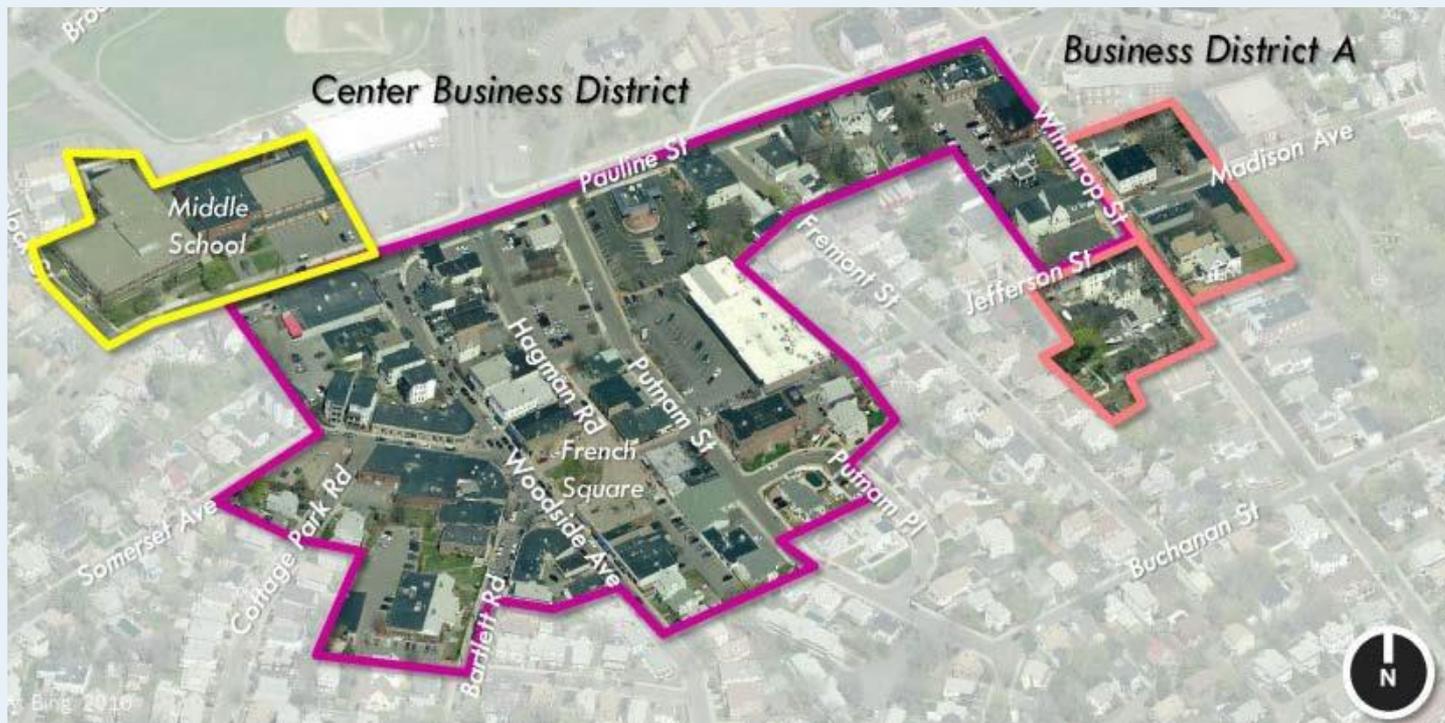
2.5 acre site - **potential for 45 to 100 residential units**

as part of 100,000 to 150,000 GSF
mixed-use redevelopment

building re-use cost issues related to building code upgrades

new construction redevelopment has
potential revenue benefits to Town
initial \$4M payment, then \$365K annually

**4 different redevelopment
schemes studied**



HOUSING

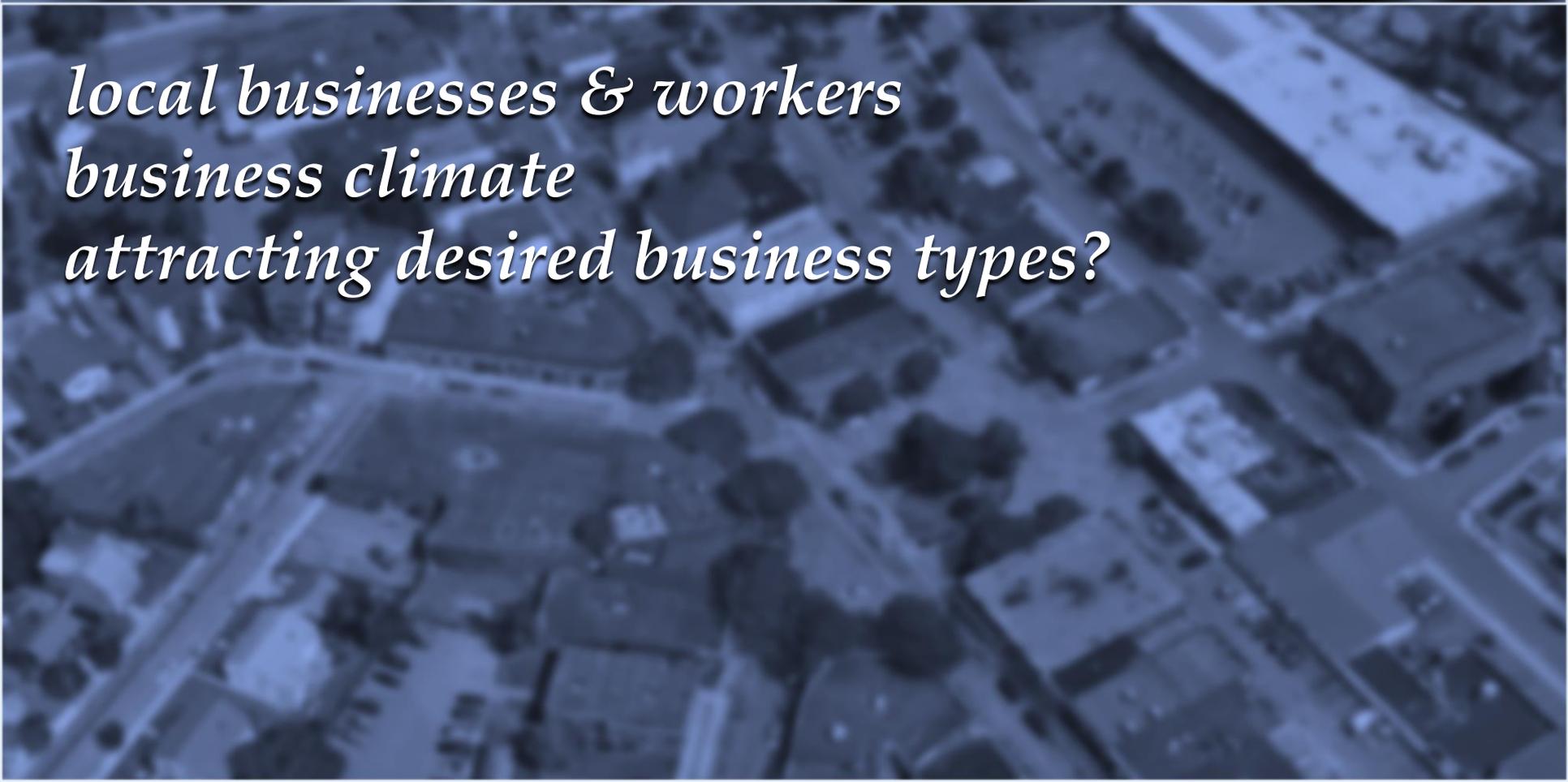
POLLING QUESTIONS

Which should be addressed in the **SHORT** term? (select all that apply)

- A. Legalize accessory dwellings units for safety, compliance and affordability
- B. Mixed-use redevelopment strategy for upper-story residential options
- C. Residential groundfloor flood resiliency zoning and building code facilitation



JOBS & ECONOMIC DEVELOPMENT



*local businesses & workers
business climate
attracting desired business types?*

JOBS & ECONOMIC DEVELOPMENT

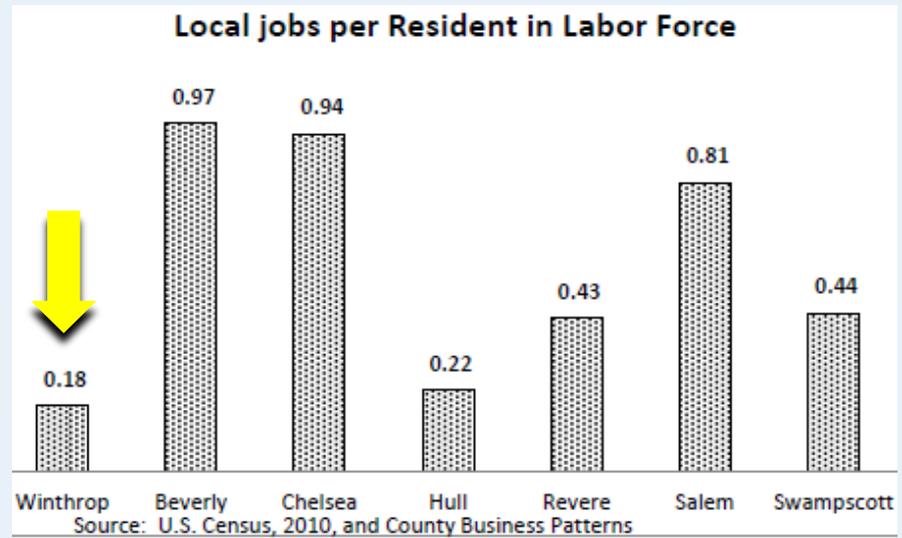
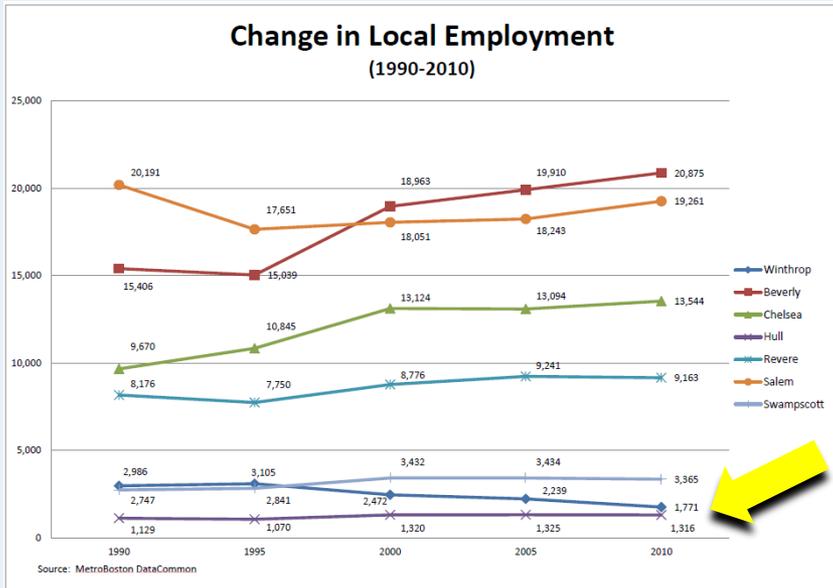
JOBS OVERVIEW

LOST LOCAL JOBS

LOST 41% or 1,100 local jobs from 1990-2010
 from 2,986 to 1,771 in 2010 - increased to 2,112 in 2017
 opposite trend of comparison waterfront communities

LOWER LOCAL JOBS RATIO

0.2 jobs per resident in labor force
 daytime population declines, impacts local businesses

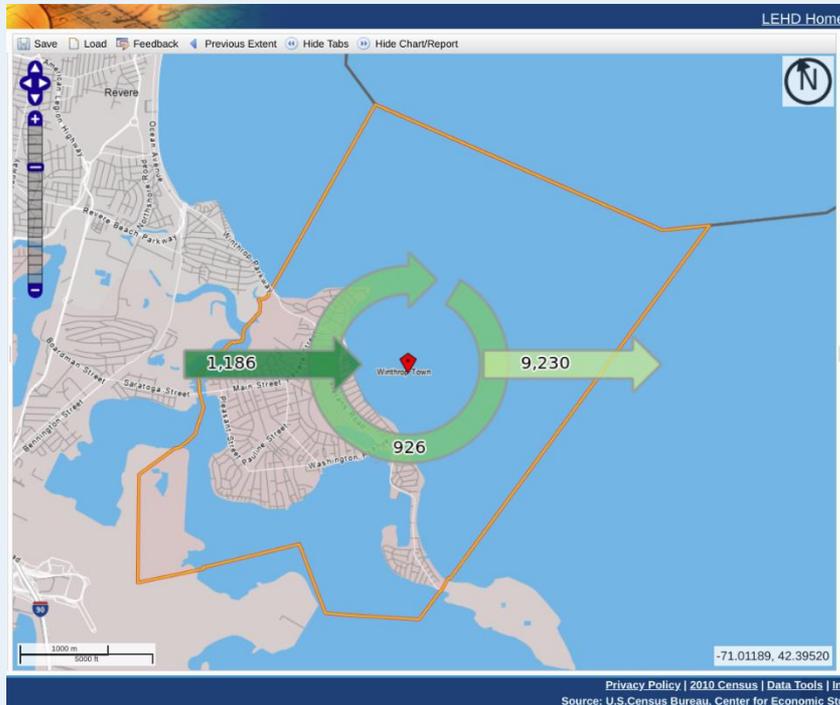


JOBS & ECONOMIC DEVELOPMENT

JOBS OVERVIEW

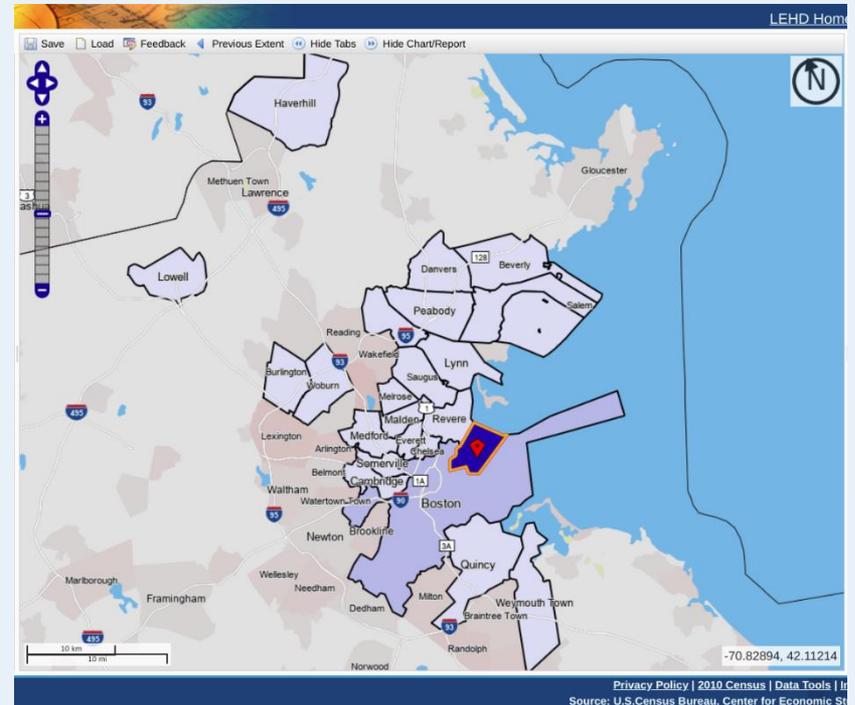
INFLOW/ OUTFLOW

926 LIVE AND WORK IN TOWN
1,186 COMMUTE INTO TOWN FOR WORK
9,230 RESIDENTS WORK OUT OF TOWN
2,112 JOBS IN TOWN – 2017 US CES



WHERE WORKERS IN TOWN LIVE

44% LIVE IN WINTHROP - 926
8% BOSTON
6% REVERE
4% LYNN
3% SAUGUS



JOBS & ECONOMIC DEVELOPMENT

JOBS OVERVIEW

MOST COMMON RESIDENTS' OCCUPATIONS

16%	OFFICE & ADMINISTRATIVE SUPPORT	1,484 RESIDENTS
13%	MANAGEMENT OCCUPATIONS	1,182
10%	SALES & RELATED	883
7%	education, training & library	609
6%	food prep. & serving related	575
6%	business & financial operations	571

JOBS & ECONOMIC DEVELOPMENT

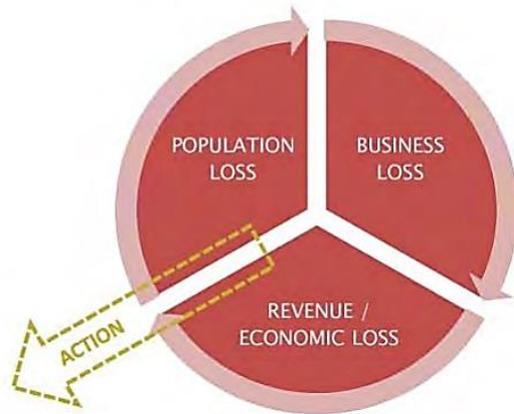
ECONOMIC DEVELOPMENT CHALLENGES & OPPORTUNITIES

RETAIL LEAKAGE

68% residents' spending on retail goods outside of town

\$240M dollars – 2014 UMass Boston

Breaking the Cycle

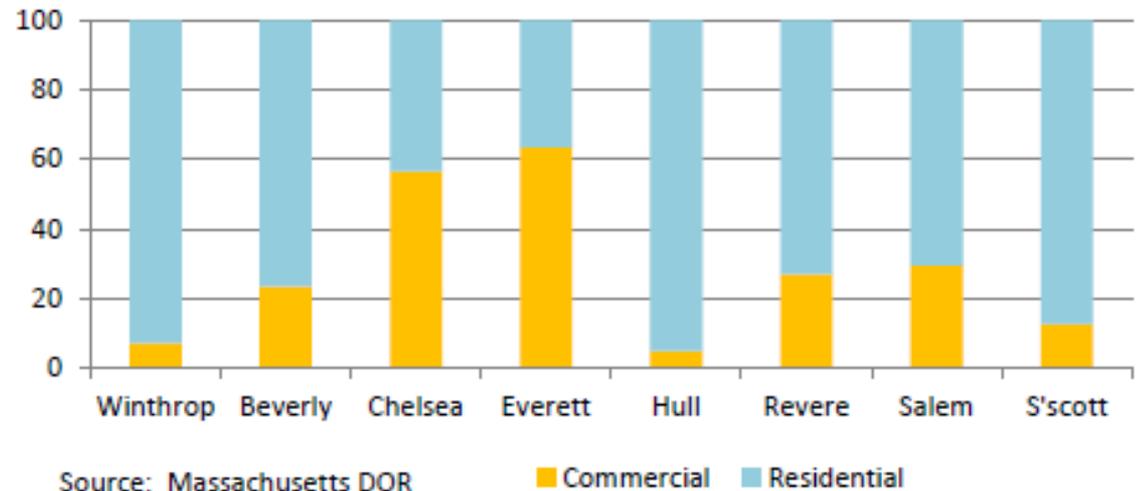


UNDERUTILIZED COMMERCIAL PROPERTIES

7% property tax revenues in FY2013 generated by commercial property

many underutilized commercial properties
building value less than land value

Property Tax Revenues by Source (FY2013)



JOBS & ECONOMIC DEVELOPMENT

ECONOMIC DEVELOPMENT - CHALLENGES

2017 EDSAT SELF-ASSESSMENT

LONGER PERMIT REVIEW

HIGHER ENERGY COSTS

LACKING OFFICE SPACE

WATER & SEWER CAPACITY

CBD SEWER IMPROVEMENTS UNDERWAY

Replace failing sewer mains,
reduce maintenance
and increase capacity

Replace undersized and
aging storm drains

Replace unlined cast iron water mains



Winthrop's Weaknesses and Potential "Deal-Breakers"

Despite the competitive advantages listed above, Winthrop has a number of apparent weaknesses that could pose challenges to successful development. The factors in the *Very Important* group are the ones that the town should consider addressing first because they are the most critical potential "deal-breakers." Again, the town should next consider those in the *Important* group, and finally those the *Less Important* group.

Weaknesses among Very Important Location Factors

TIMELINESS OF APPROVALS: In most categories, the permit review process for new projects takes longer in Winthrop than in comparison cities.

INFRASTRUCTURE: Winthrop's water supply and public sewer systems have capacity for current needs only, and your town's energy costs for residential and commercial users are higher than comparison towns.

RENTS: Winthrop has little to no office or industrial space available for rent. Where available, rent for existing space is similar to the CGM. The town lacks a wide range of office space quality and affordability, with no existing Class A space.



JOBS & ECONOMIC DEVELOPMENT

TRANSFORMATIVE POTENTIAL OF WINTHROP CENTER OPPORTUNITY SITES

UNDERUTILIZED COMMERCIAL

many underutilized commercial properties

1 to 2 stories in height

small parcel sizes

more parking than buildings for people

NEW ZONING IN PLACE

new CBD zoning allows mixed-use infill redevelopment

4 stories & 48 feet – expedited, simplified permitting

design guidelines for enhancing Center



VIEW OF SOUTH SIDE OF PAULINE STREET – FROM CBD MASTER PLAN

JOBS & ECONOMIC DEVELOPMENT

from challenges to opportunities

*recently explored ideas
for your consideration*

JOBS & ECONOMIC DEVELOPMENT

TRANSFORMATIVE POTENTIAL OF WINTHROP CENTER OPPORTUNITY SITES

CONNECT, LEVERAGE ASSETS

Ingleside Park is visually & physically disconnected

French Sq redesign for usability & boost nearby retail

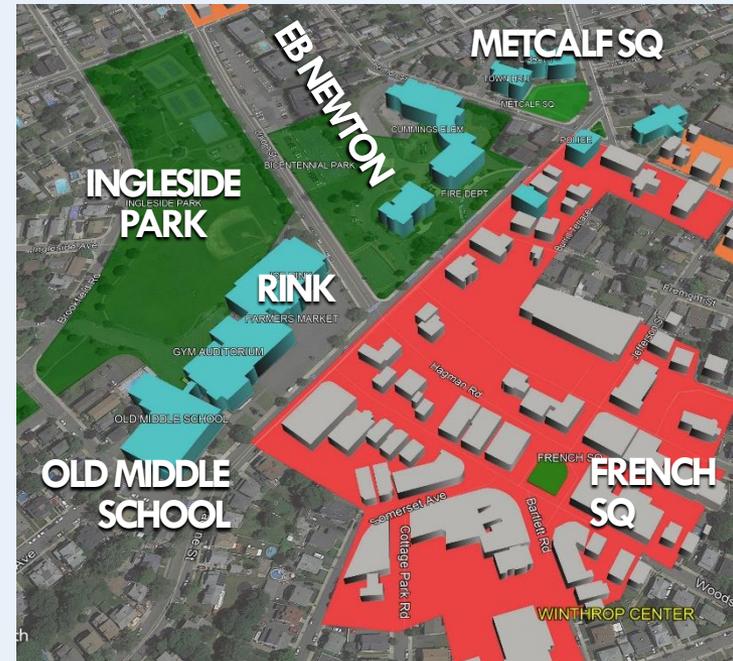
**FRENCH SQ
CBD IMPROVEMENTS
UNDERWAY**



FRENCH SQ DESIGN & USABILITY



**INGLESIDE PARK CUT OFF FROM WINTHROP CENTER
BY MIDDLE SCHOOL & RINK**



JOBS & ECONOMIC DEVELOPMENT

TRANSFORMATIVE POTENTIAL OF WINTHROP CENTER OPPORTUNITY SITES

CONNECT, LEVERAGE ASSETS

EB Newton Center as anchor for even more events for foot traffic

Metcalf Sq for events, and focal point for potential nearby Winthrop St opportunity sites



EB NEWTON CULTURAL CENTER CULTURAL, PROGRAMMING ASSET

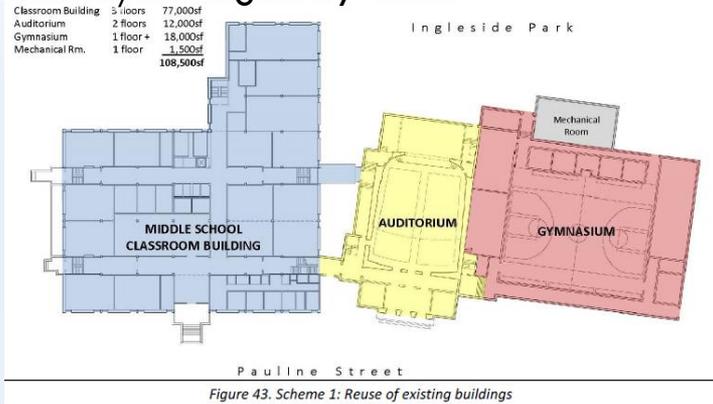


JOBS & ECONOMIC DEVELOPMENT – OLD MIDDLE SCHOOL

SINGLE-MOST CATALYTIC OPPORTUNITY SITE – POTENTIAL FOR MORE BUSINESSES & JOBS

SCHEME 1 – REUSE OF CLASSROOM ONLY

Doesn't advance other CBD Master Plan goals
 Building code upgrading costs – office space
 leased/managed by Town



SCHEME 2 – CLASSROOM BLDG MAINLY

Begins to redefine Pauline St – retains
 gymnasium & auditorium - 46 residential units –
 2-story community center covering gym façade



SCHEME 3 – CLASSROOM & AUDITORIUM

Tremendous potential for CBD Master Plan goals – 60
 residential units – outdoor dining – outdoor amphitheater
 – Ingleside Park connection



SCHEME 4 – ENTIRE SITE

102 residential units – 6 townhouses & 102 condo/apts –
 groundfloor commercial & community uses – 5 stories
 requires flexibility – Ingleside Park connection



JOBS & ECONOMIC DEVELOPMENT

FRENCH SQUARE REVITALIZATION

“RECONCEIVED” SQUARE – PHASE 3 - MOST USABLE SPACE & CATALYTIC

Triples the square’s green space – incorporates a parcel – new visual corridors for currently vacant retail spaces – public realm improvements entice adjacent private redevelopment under CBD zoning



Figure 55. A re-imagined French Square - a new focal point for the CBD

JOBS & ECONOMIC DEVELOPMENT

PROPOSED CENTRAL BUSINESS DISTRICT (CBD) EXPANSION

BUILD UPON 2014 CBD REZONING?

To further middle school site revitalization?

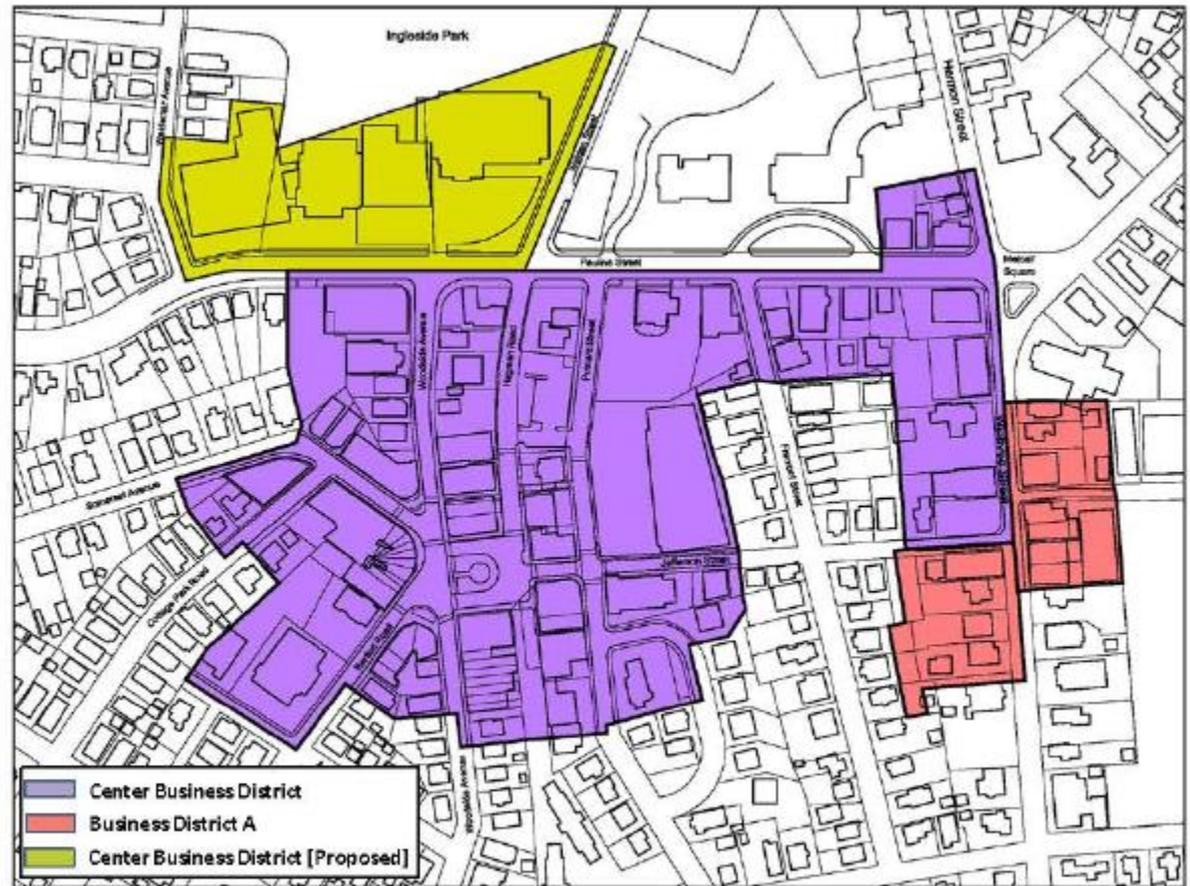
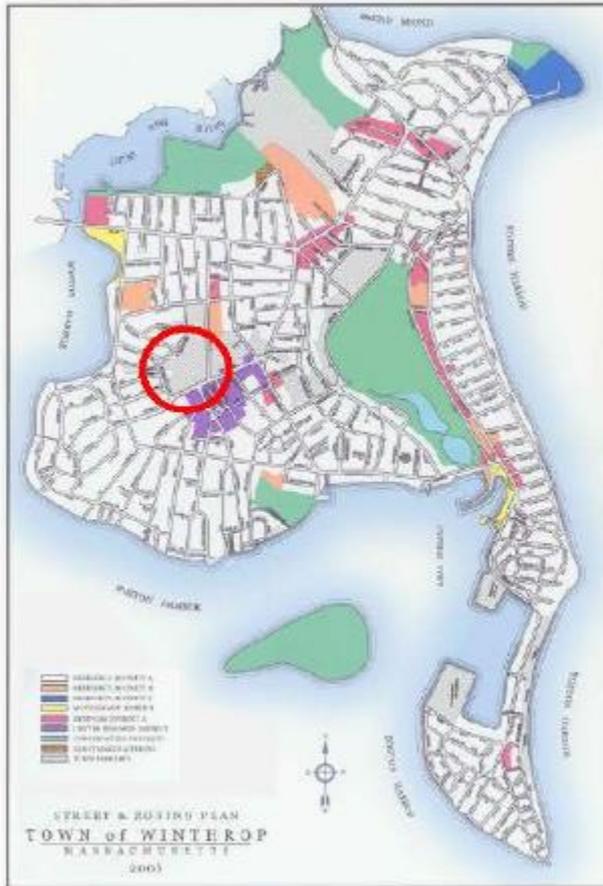


Figure 71. Proposed CBD expansion (in yellow)

JOBS & ECONOMIC DEVELOPMENT

POLLING QUESTIONS

Which should be addressed in the **SHORT term? (select up to three)**

- A. Reduce length of project review process
- B. Encourage office & commercial/industrial (re)developments
- C. Enhanced ferry service for commuting residents and outside workers
- D. Encourage mixed-use/commercial property redevelopment
- E. Pursue transformative redevelopment projects in Winthrop Center CBD on opportunity sites

Which former **Middle School redevelopment scheme do you like? (select one)**

- A. Scheme 1 – Reuse of existing classroom for solely office space
- B. Scheme 2 – Classroom building redevelopment primarily
- C. Scheme 3 – Classroom & auditorium redevelopment
- D. Scheme 4 – Entire site

TRANSPORTATION

mobility options
work commutes
leisure

TRANSPORTATION

OVERVIEW

3 EXTERNAL CONNECTIONS

Main Street (Route 145) to East Boston along the harborside
Revere Street (Route 145) to Revere along the oceanside
Valkyrie Ferry to Aquarium, Seaport, Quincy (seasonal)
on Shirley Street Public Landing

PUBLIC TRANSPORTATION

Two bus routes to Orient Heights Station for MBTA Blue Line service
Town ferry service – seasonal to Boston and Quincy

EVOLVING WALK/BIKE NETWORK

Public bike docking stations
Biking network and route alternatives being discussed

TRANSPORTATION

OVERVIEW

RESIDENTS' COMMUTES

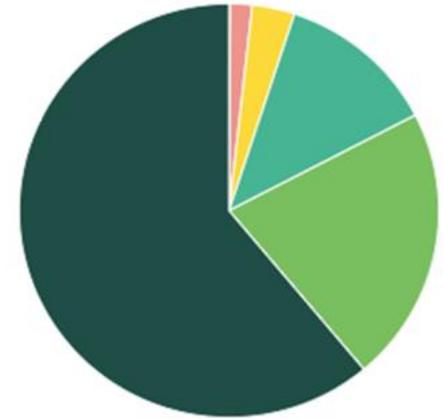
61-67% drive alone to work

18-22% public transit

9-12% carpool

high level of public transportation use compared to State average & comparison coastal communities

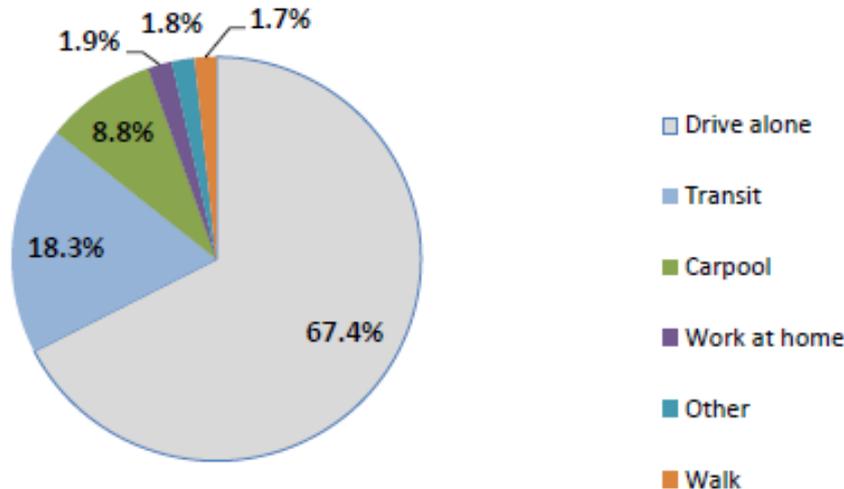
Commute to Work



- Drive alone to work 61.1%
- Carpool 12.3%
- Public transportation 21.5%
- Motorcycle 0.0%
- Bicycle 0.0%
- Walk 3.3%
- Taxi 0.1%
- Other 1.7%

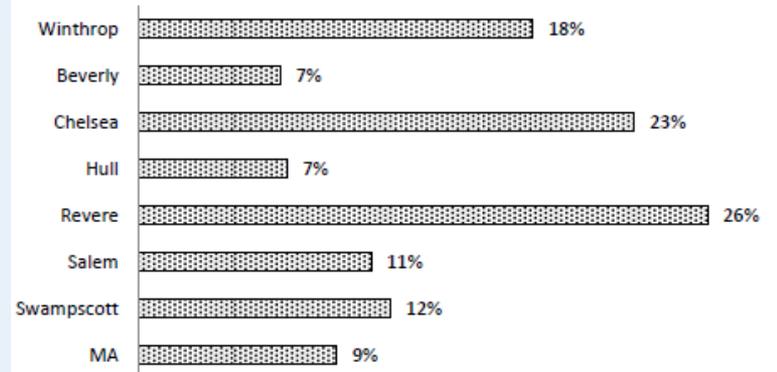
Source: American Community Survey Years: 2012-2016 5-Year Estimates
Link to: [Transportation to Work from Residence \(Municipal\)](#)

Transport to Work - Winthrop Only



Source: U.S. Census, American Community Survey (2008-2012)

% of Res Using Public Transport to Work



Source: U.S. Census, American Community Survey (2008-2012)

TRANSPORTATION

PLANNED MULTIMODAL STREETSCAPE IMPROVEMENTS

WINTHROP & REVERE STREETS

Pedestrian and bike safety improvements

Sidewalk & intersection improvements

\$4.5M federal funding requested FY2023



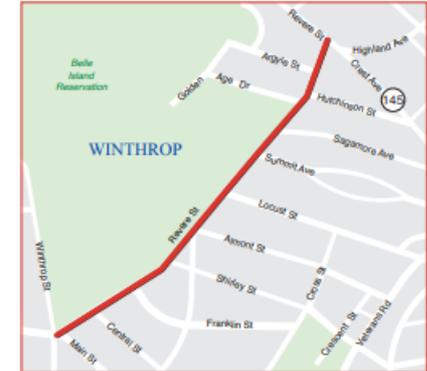
Winthrop: Reconstruction and Related Work along Winthrop Street and Revere Street Corridor

Proponent: Winthrop

ID Number: 607244

Project Type: Complete Streets

Cost: \$5,644,800



Scoring Summary

Category	Safety	Sys Pres	CM/M	CA/SC	TE	EV	Total
Score	11 out of 30	14 out of 29	12 out of 29	8 out of 16	4 out of 12	5 out of 18	54 out of 134

Project Description

This project will include pavement reconstruction and reclamation, sidewalk reconstruction and intersection improvements at key locations along the corridor. Improvements to the bicycle and pedestrian conditions will be implemented.

Source	(FFY) 2020	2021	2022	2023	2024	Total
Federal Funds	---	---	---	\$4,515,840	---	\$4,515,840
Non-Federal Funds	---	---	---	\$1,128,960	---	\$1,128,960
Total Funds	---	---	---	\$5,644,800	---	\$5,644,800

TRANSPORTATION

BUS SERVICE

ENHANCE FOR RESIDENTS & BUSINESSES?

encourage increased public transit commuting by residents?

frequency

weekdays	~5am to 1am	~20-30 minutes
saturdays	~5am to 1am	~20-30 minutes
sundays	~7am to 1am	~40 minutes

support businesses by making customer trips

by bus convenient and easy?

existing routes working well?

712•713

Effective March 15, 2020

Point Shirley-Orient Heights

Serving

- Winthrop Highlands
- Winthrop Center
- Winthrop Beach
- Winthrop Ferry Terminal
- Blue Line

Logan Airport

WINTHROP

Point Shirley

T Massachusetts Bay Transportation Authority

massDOT Massachusetts Department of Transportation

TRANSPORTATION

EXISTING FERRY SERVICE & POTENTIAL

WINTHROP'S VALKYRIE FERRY

73 seat vessel

seasonally May to October

peak commute times – limited weekend service

Aquarium/Rowes Wharf – Seaport – Quincy/Marina Bay



ASSET WITH GREAT POTENTIAL

two studies highlighted potential & challenges

(2017 Economic Development, & 2019 Water Transportation)

growing annual ridership since May 2016 start

commuter demand lower to downtown Boston and Seaport

\$6 one-way fares

potential for tourism

Evaluation

Pros: Existing Winthrop service has been established and is growing ridership annually. Future service may be leveraged to serve additional locations if a separate Quincy service is established.

Cons: The commuter demand to Downtown is in the lowest 10% of sites profiled as is commuter demand to the Seaport. Although the ferry offers time travel savings compared with a car in traffic to these locations, the number of possible riders may be insufficient to support more frequent service.

Next Steps: The flexibility offered by the town owning and operating the ferry will allow for iterative improvements that respond to resident demands as the service continues to evolve.

Winthrop, MA

FERRY DOCK RESEARCH AND RECOMMENDATIONS

⁷ Sources: Google Maps, KPFF

COMPREHENSIVE BOSTON HARBOR WATER TRANSPORTATION STUDY March 2019



Winthrop's Strengths and Potential "Deal-Makers"

The following three lists of Winthrop's strengths are its powerful economic development assets. The town should build upon these assets and promote them to prospective businesses and developers. Winthrop should first consider those in the *Very Important* group, then the *Important*, and finally the *Less Important* group. Please note that strengths are **not listed in any particular order** within each list.

WATER TRANSPORTATION: Winthrop's private commuter ferry to Rowe's Wharf in Boston is potentially a positive factor for tourism as well as an attractive amenity for Winthrop residents and workers. [Note: Color code should appear green to indicate this as a strength. We regret the computer error.]

TRANSPORTATION

POLLING QUESTIONS

Which should be addressed in the **SHORT term? (select up to two)**

- A. More bike facilities (incl. shared lanes, public docking stations, public rentals)
- B. Enhanced ferry service for commuting residents and outside workers
- C. Enhanced bus service to MBTA Blue Line for residents and reduce incoming traffic
- D. Partially subsidized MBTA passes to encourage transit use and reduce traffic

Which should be addressed in the **LONG term? (select up to two)**

- A. More bike facilities (incl. shared lanes, public docking stations, public rentals)
- B. Enhanced ferry service for commuting residents and outside workers
- C. Enhanced bus service to MBTA Blue Line for residents and reduce incoming traffic
- D. Partially subsidized MBTA passes to encourage transit use and reduce traffic

OPEN SPACE & RECREATION

parks, natural areas, facilities?

*passive recreation
children, youth, seniors*

*active recreation
indoor facilities*

OPEN SPACE & RECREATION

OVERVIEW

COASTAL RESOURCES

5 Town beaches - 7.5 acres
1 DCR beach - 23.5 acres
Snake Island
Fishermen's Bend
Public Landing
Crystal Cove Jetty

OTHER

School facilities – 24 acres
2 private yacht clubs

PARKS, PLAYGROUNDS & FACILITIES

81.5 acres
incl. Ingleside Park, Bicentennial Park,
Winthrop Golf Course, ice rink, basketball courts,
neighborhood playgrounds



OPEN SPACE & RECREATION

OPEN SPACE PLAN 2014-2021 SUMMARY

RESOURCE PROTECTION NEEDS

- Beach re-sanding
- Lewis Lake dredging & phragmites
- Overall tree planting
- Town-wide flooding
- Coughlin Park erosion

COMMUNITY NEEDS

- Community gardens *More walking paths*
- Dog park
- More playing fields
- Community sailing
- Miller Field improvements
- Beach improvements
- Seniors & ADA accessibility



OPEN SPACE & RECREATION

BICYCLING FOR LEISURE & HEALTH

129 bicycle parking spaces installed in 24 locations

5 proposed bike share stations – Orient Heights, French Square, Winthrop Beach, Ferry Terminal, Point Shirley

Future FY24 bike improvements - Revere Street near Winthrop St

Evolving walk/bike path network – gaps needs to be closed – “sharrow” markings?

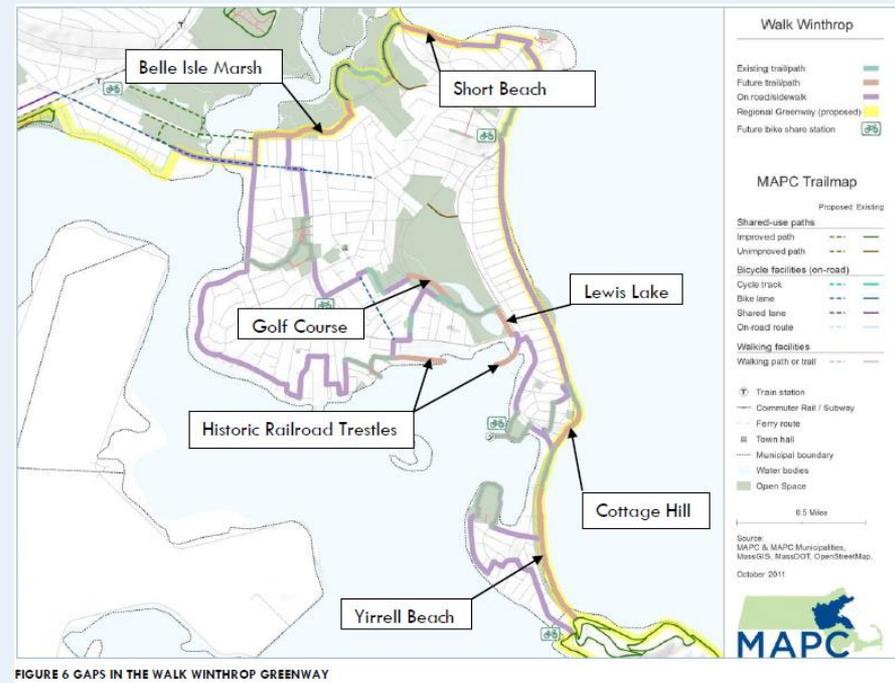
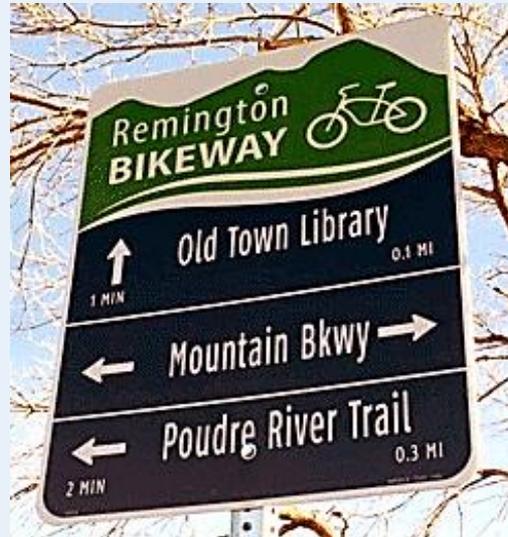


FIGURE 6 GAPS IN THE WALK WINTHROP GREENWAY

OPEN SPACE & RECREATION

IDEAS FOR WAYFINDING, SIGNAGE, BRANDING & PROGRAMMING?



OPEN SPACE & RECREATION

POCKET PARKS? BOLSTER RETAIL SHOP FOOT TRAFFIC?



OPEN SPACE & RECREATION

POLLING QUESTIONS

Which resources issues should be addressed in the short term? (select up to two)

- A. Coastal re-sanding & erosion
- B. Tree plantings
- C. Address flooding of parks for climate resilient open space
- D. Lewis Lake dredging

Which community needs should be addressed in the short term? (select up to three)

- A. Community gardens
- B. Dog park
- C. More playing fields
- D. Community sailing
- E. More walking paths
- F. More biking facilities
- G. More pocket parks
- H. Amenities for seniors & those with limited mobility
- I. Better signage and community promotion/branding

SCHOOLS & EDUCATION

*primary K-12 education
community development &
adult education opportunities?*

SCHOOLS & EDUCATION OVERVIEW

overall, meeting State expectations

2 elementary - 1 middle - 1 high school

pre-K: 50 enrolled

1,965 enrollment

88% four-year graduation rate

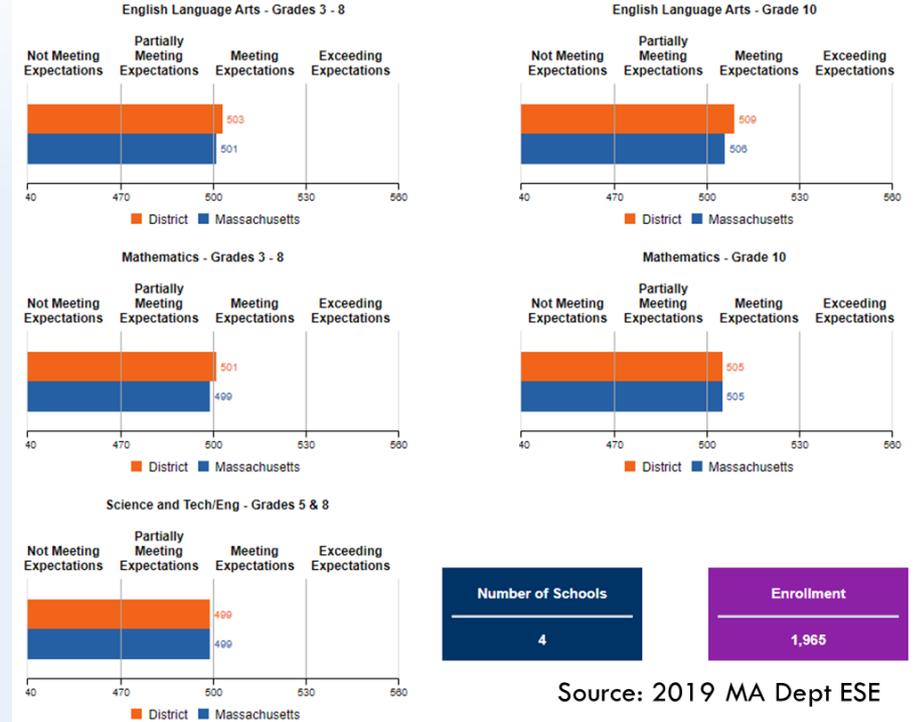
80% lower-income graduation rate

Teachers in neighboring

Revere make 6% more

2019 Student Achievement

Next Generation MCAS (Average Scaled Score)



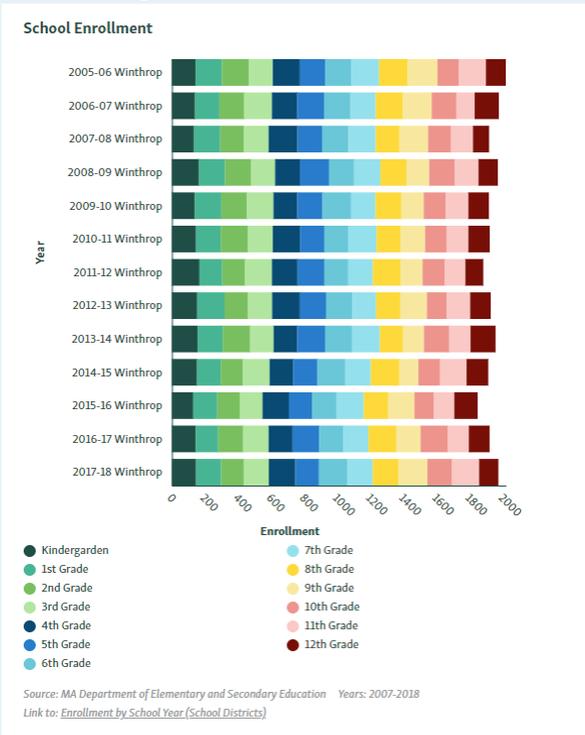
BELLE ISLE MARSH
MARINE ECOLOGY PARK
 outdoor learning center
underway

SCHOOLS & EDUCATION OVERVIEW

enrollment is relatively stable

from 2,052 2005-06
 1,935 2011-12
 to 2,022 2017-18

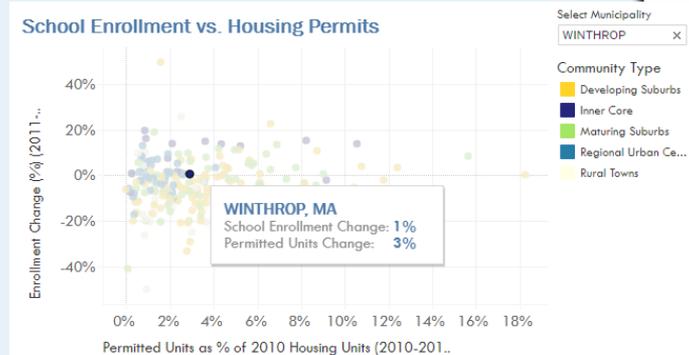
Winthrop Enrollment 2005-2017



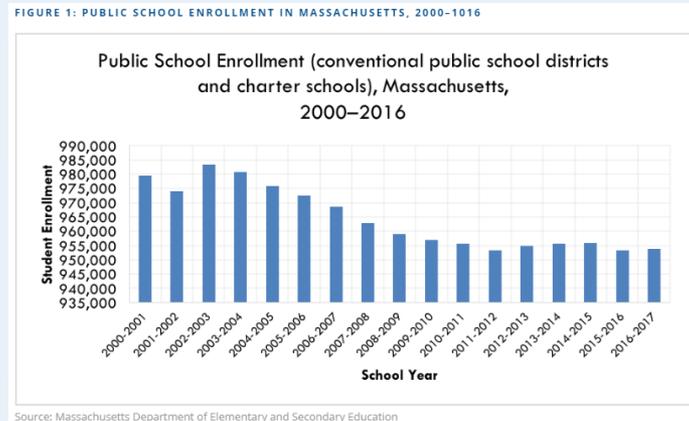
WINTHROP, MA
 School Enrollment Change: **1%**
 Permitted Units Change: **3%**



Winthrop: Enrollment v. Housing Permits 2000-2016



Massachusetts Enrollment 2000-2016



SCHOOLS & EDUCATION

WORKFORCE TRAINING & ADULT EDUCATION

WORKFORCE TRAINING: In contrast to the comparison group, Winthrop currently has no support for public-private partnerships to provide workforce training. Residents do not have ready access to adult education, as they do in the comparison jurisdictions. The town currently does not work with any career training centers or vocational schools to help develop skills for incoming industries. The town does, however, participate in the Wakefield Regional Vocational Technical School district, potentially enhancing local workforce readiness.



LICENSING PROGRAMS – TRADE PREPARATION – APPRENTICE PROGRAMS

Mission Statement - Northeast Metropolitan Regional Vocational High School prepares working adults for success in an evolving workplace. Northeast provides academic and vocational excellence in a time-efficient, cost effective setting. We will further education through an environment conducive to achievement in specialized career and technical programs with affordable lifelong learning opportunities.

SCHOOLS & EDUCATION

POLLING QUESTIONS

Which should be improved sooner? (select up to two)

- A. Increase teacher pay to be competitive with neighboring communities, and improve education.
- B. More resources toward addressing lower-income graduate rates.
- C. Pursue niche WPS curriculum anchored in Belle Isle Marsh marine ecology outdoor learning center
- D. Pursue new or increased adult learning and workforce training programs – remote or local

Which could be done in the long term? (select up to two)

- A. Increase teacher pay to be competitive with neighboring communities, and improve education.
- B. More resources toward addressing lower-income graduate rates.
- C. Pursue niche WPS curriculum anchored in Belle Isle Marsh marine ecology outdoor learning center
- D. Pursue new or increased adult learning and workforce training programs – remote or local

FACILITIES & ENERGY USE

encourage green building features?

“green” public buildings?

FACILITIES & ENERGY USE

FOR PUBLIC BUILDINGS?

Require green building features?

This could involve green roofs, solar panels, rain gardens, and other low impact design features. The Town can “lead by example”.

FOR FUTURE REDEVELOPMENTS?

Encourage through zoning & development review for medium and larger scale projects?

This could involve green roofs, solar panels, rain gardens, and other low impact design features.



RAIN GARDEN



ELECTRIC VEHICLE CHARGING STATION



GREEN ROOF



PERVIOUS ASPHALT & CONCRETE

FACILITIES & ENERGY USE

Municipal Energy Use Reduction:

- Designated a Green Community in 2012
- Developed a **Municipal Energy Reduction Plan** with goal of reducing energy by 20%
- Adopted the **Energy Stretch Code**
- Since 2012 have received over **\$900,000 to implement energy conservation measures** at municipal facilities and schools.



FACILITIES & ENERGY USE

Renewable Energy:

- Designated SolSmart Bronze in 2017 (US DOE)
- Adopted solar friendly zoning allows rooftop solar by-right
- Streamlined solar permitting
- Ran Solarize Winthrop to help home-owners install rooftop solar



FACILITIES & ENERGY USE

POLLING QUESTION

What initiatives should the Town prioritize to reduce energy usage and carbon pollution? (pick up to 2):

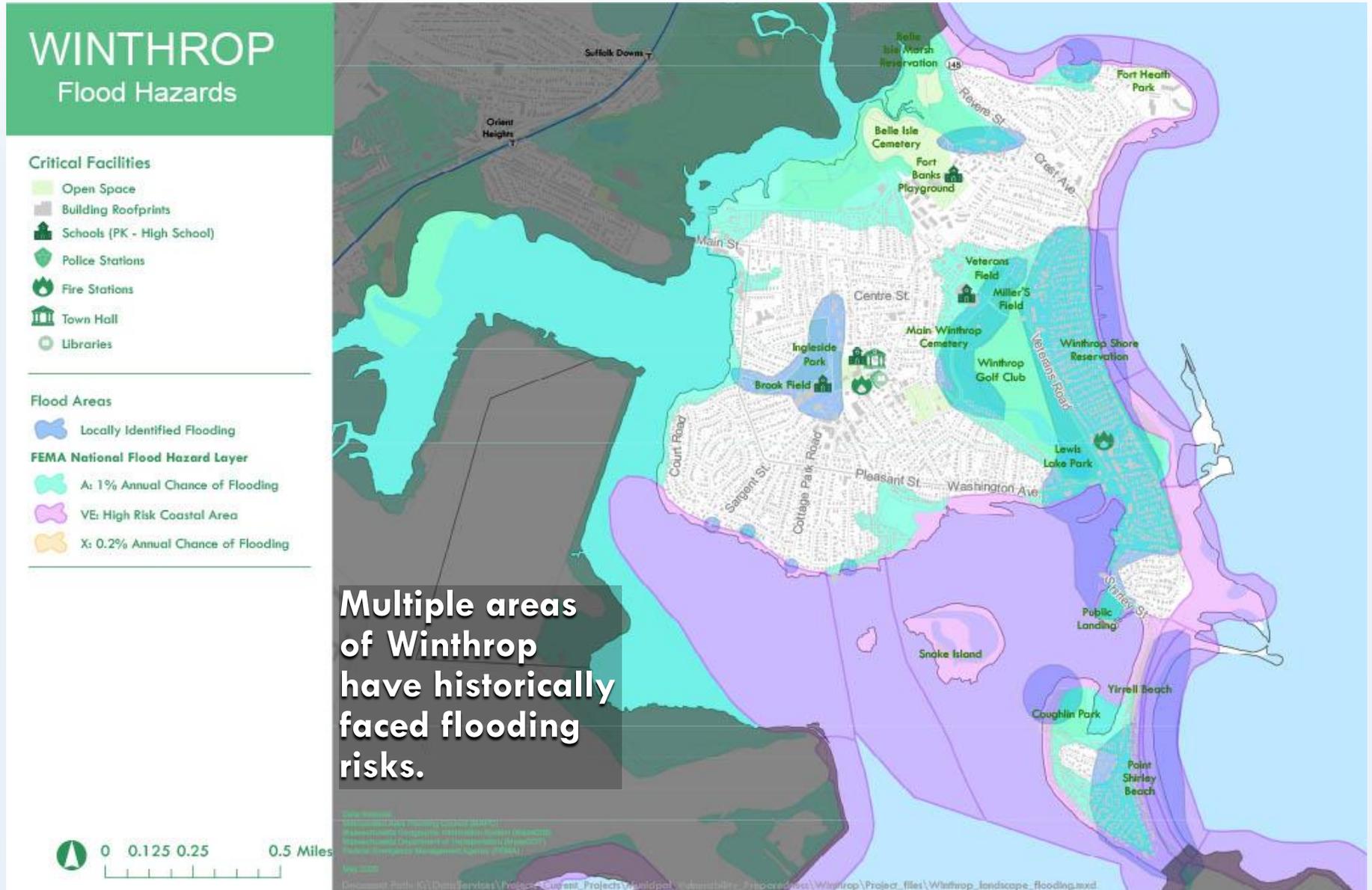
- A. Continue to reduce municipal energy usage
- B. Provide programs and education to reduce residential and commercial energy usage
- C. Install solar on municipal buildings
- D. Increase access to renewable energy for residents and businesses
- E. Install electric vehicle (EV) charging stations at municipal facilities

CLIMATE CHANGE & RESILIENCE

*vulnerability of
residents, homes, public facilities, critical
facilities, and businesses*

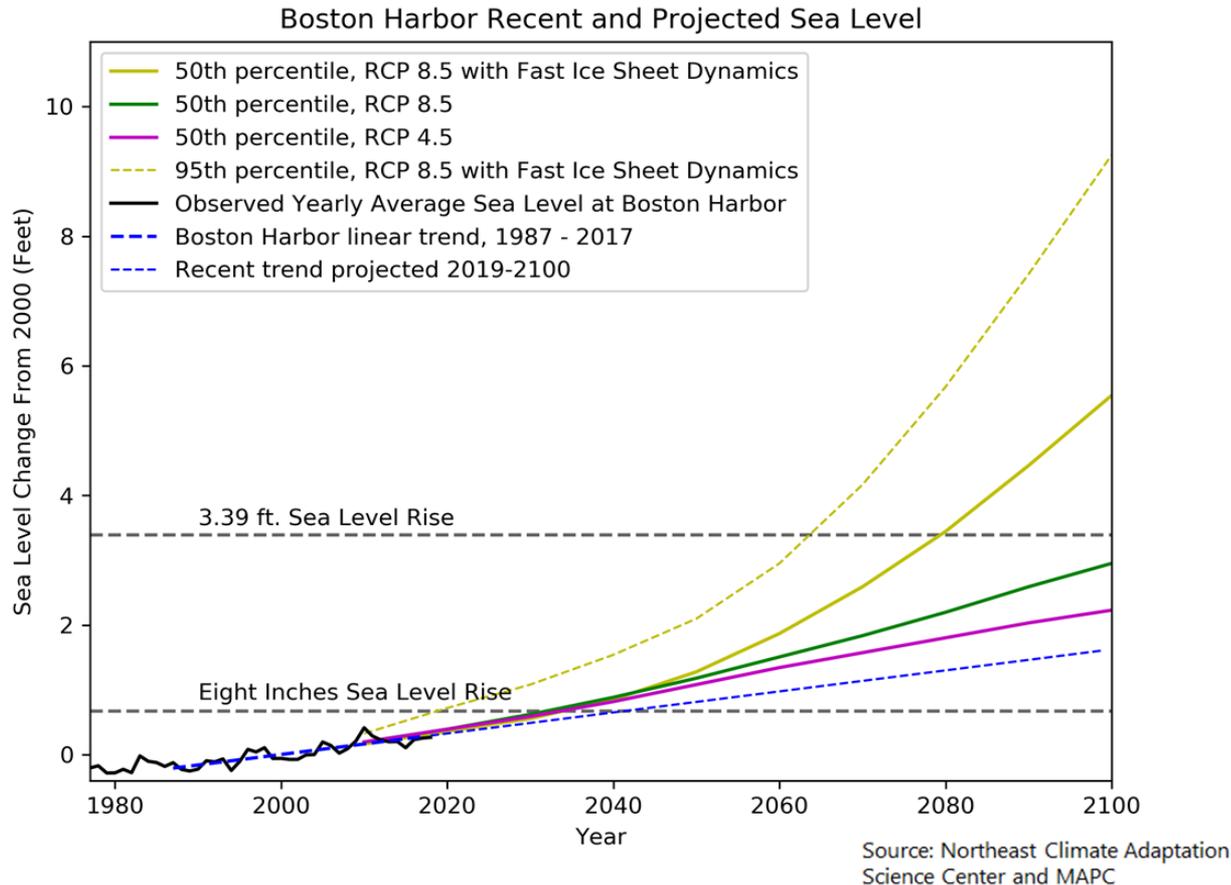
CLIMATE CHANGE & RESILIENCE

CURRENT FLOOD RISK (FEMA DATA)



CLIMATE CHANGE & RESILIENCE

RECENT AND PROJECTED SEA LEVEL FOR BOSTON HARBOR



Increasing greenhouse gas (GHG) emissions in the atmosphere are causing sea levels to rise. This chart shows a range of sea level rise projections for Boston Harbor based on different global GHG emissions scenarios.

CLIMATE CHANGE & RESILIENCE

SEA LEVEL RISE PROJECTIONS

WINTHROP

Sea Level Rise

Critical Facilities

- Open Space
- Building Roofprints
- Schools (PK - High School)
- Police Stations
- Fire Stations
- Town Hall
- Libraries

Mean Higher High Water Lines

- Sea Level Rise (1 ft.)
- Sea Level Rise (3 ft.)
- Sea Level Rise (6 ft.)
- Sea Level Rise (10 ft.)

This map shows areas projected to experience flooding, at least once, on average, in a 24-hour period based on different levels of sea level rise ranging from one foot to ten feet.



CLIMATE CHANGE & RESILIENCE

STORM SURGE PROJECTIONS

WINTHROP

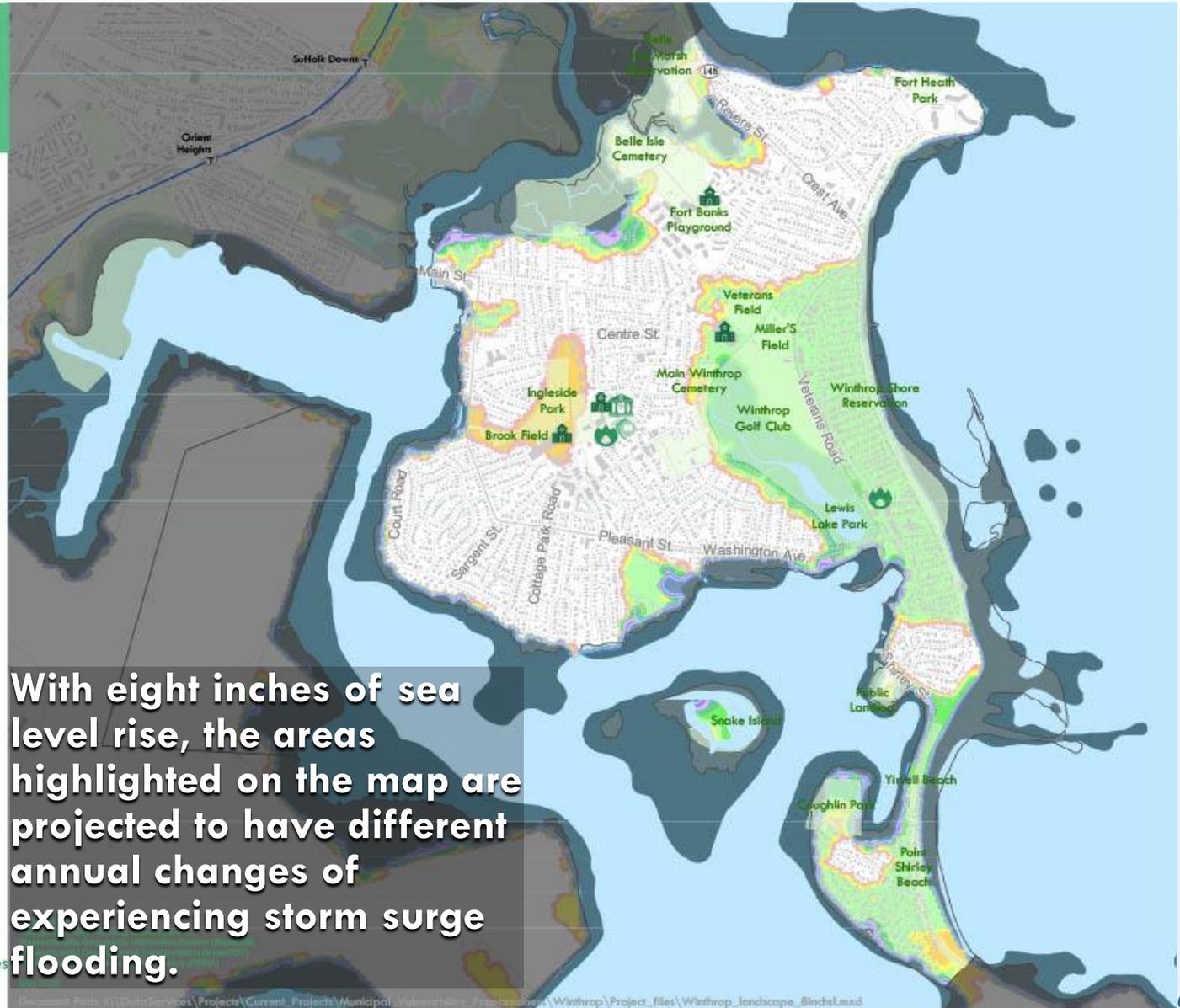
Surge Risk
8" Sea Level Rise

Critical Facilities

- Open Space
- Building Roofprints
- Schools (PK - High School)
- Police Stations
- Fire Stations
- Town Hall
- Libraries

Annual Chance of Surge Flooding

- Dry
- 0.1%
- 0.2%
- 0.5%
- 1%
- 2%
- 5%
- 10%
- 20%
- 25%
- 30%
- 50%
- 100%



With eight inches of sea level rise, the areas highlighted on the map are projected to have different annual chances of experiencing storm surge flooding.

CLIMATE CHANGE & RESILIENCE

CURRENT HEAT ISLANDS

WINTHROP Heat Islands

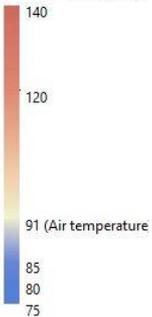
Critical Facilities

- Open Space
- Building Roofprints
- Schools (PK - High School)
- Police Stations
- Fire Stations
- Town Hall
- Libraries

Hazards

- Hot Spots*

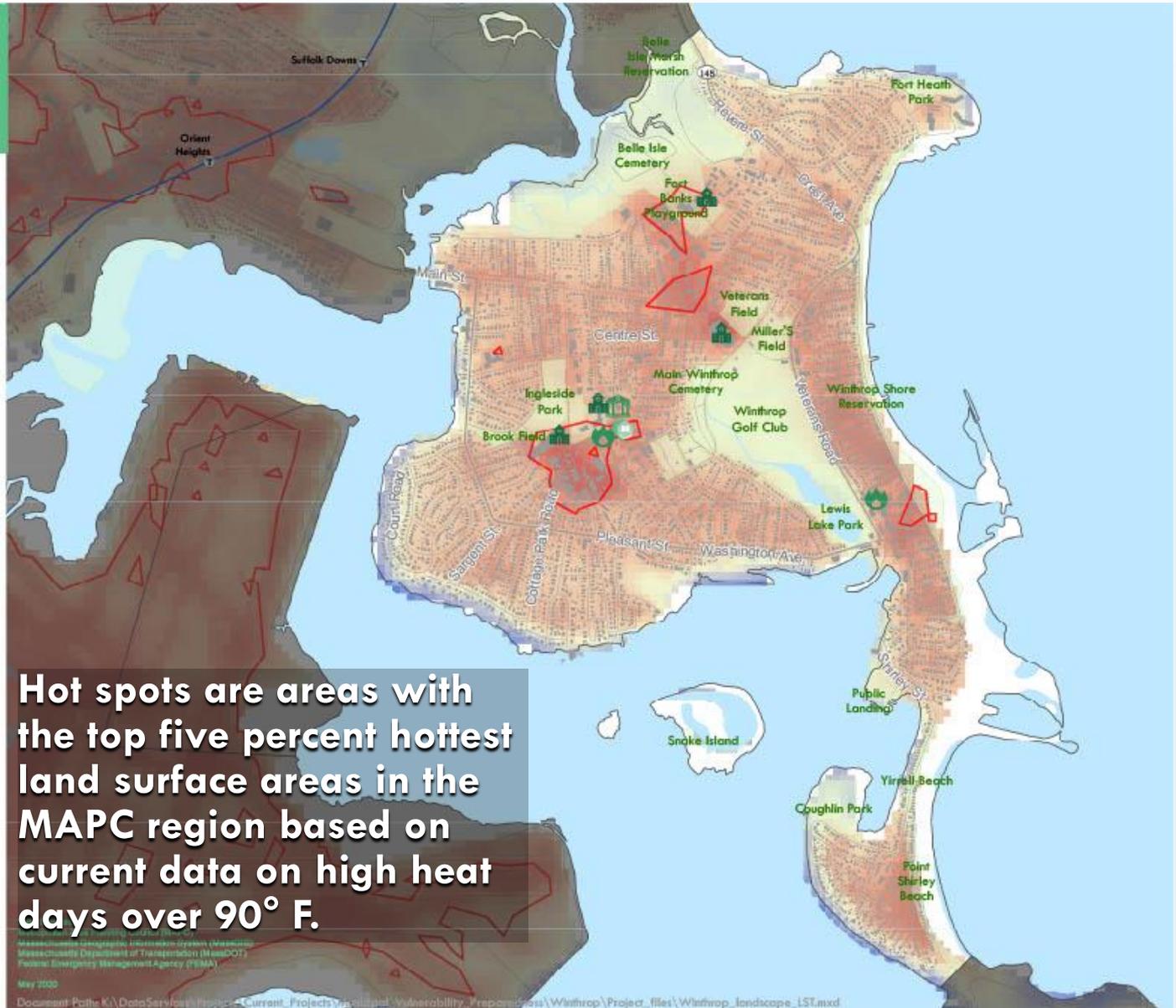
Land Surface Temperature**



*Hot Spots delineate the 5% hottest land area in the MAPC region.

**Blue areas denote land surface that is cooler than air temperature. Red areas denote land surface that is warmer than air temperature.

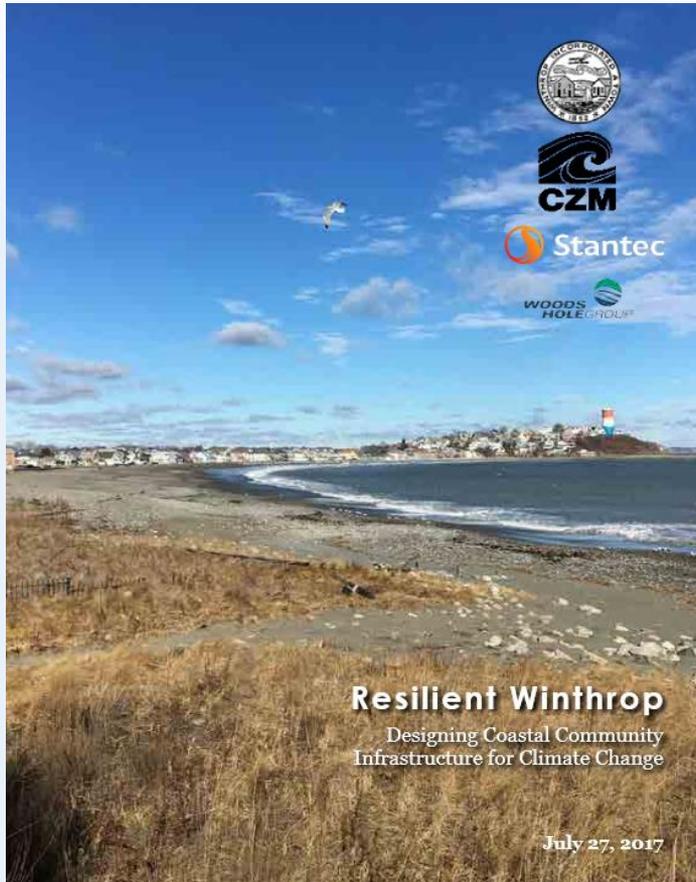
Data from July 2016; Air temperature at Logan Airport was 91 Fahrenheit when imagery taken.



Hot spots are areas with the top five percent hottest land surface areas in the MAPC region based on current data on high heat days over 90° F.

CLIMATE CHANGE & RESILIENCE

WINTHROP CRITICAL INFRASTRUCTURE



Winthrop has been working to build climate change resilience, including completing a study of critical community infrastructure in 2017.



This map and legend show town-identified critical public infrastructure locations from the 2017 study.

- | | |
|--------------------------------------|--|
| Ⓐ Beach Fire Station | Ⓘ Pressure Reducing Valve Station (Bayview Ave) |
| Ⓑ Belle Isle Bridge | Ⓝ Pressure Reducing Valve Station (Revere St) |
| Ⓒ Loring Rd. Boat Ramp | Ⓚ Pressure Reducing Valve Station (Underhill St) |
| Ⓓ Main Street (evacuation route) | Ⓛ Public Landing |
| Ⓔ Pico Sewer Pump Station | Ⓜ Revere St. Sewer Pump Station |
| Ⓕ Pleasant Court Sewer Pump Station | Ⓝ Shirley Street (evacuation route) |
| Ⓖ Pleasant Street (evacuation route) | Ⓞ Washington Street (evacuation route) |
| Ⓗ Power Substation (Argyle Street) | Ⓟ Winthrop High School |

CLIMATE CHANGE & RESILIENCE

MUNICIPAL VULNERABILITY PREPAREDNESS (MVP)

WORKSHOP FINDINGS: TOP RECOMMENDATIONS



Town of Winthrop, MA

Community Resiliency Building Workshop Summary of Findings



June 2018

(Funding for this project was provided by EEA's Municipal Vulnerability Preparedness Planning Grant Program)

Submitted to:

Massachusetts Executive Office of Energy and Environmental Affairs
Municipal Vulnerability Preparedness Program
100 Cambridge Street, Suite 900
Boston, MA 02114

Contact:

Joseph Domelowicz
Assistant Town Manager
Winthrop Town Hall
1 Metcalf Square
Winthrop, MA 02152
Phone: 617.846.1852
Email: jdomelowicz@town.winthrop.ma.us

- Clean, maintain, and upgrade **sewer and drainage infrastructure** and seek additional storage capacity
- Maintain, replace, and upgrade **seawalls** throughout Winthrop
- Pursue natural and **green infrastructure solutions** and **low-impact development**
- Develop a new **public safety building**
- Maintain and protect **Belle Isle Marsh, Coughlin Park, and beaches**
- **Identify funding** for projects to increase resilience
- Develop an **evacuation and/or shelter in place plan** for storm events

CLIMATE CHANGE & RESILIENCE

CATEGORIES FOR POTENTIAL FLOOD RISK REDUCTION SOLUTIONS

- **Infrastructure and Buildings**

- Dry and wet floodproofing
- Perimeter barriers and elevation of buildings and utilities
- Green and gray infrastructure
- Floodable infrastructure and elevating infrastructure

- **Policy and Planning**

- Zoning tools to account for future floodplain projections
- Resilience checklist for new development and retrofits
- Voluntary design guidelines for new development and retrofits

- **Community Programs**

- Programs to increase personal/family and business resiliency and preparedness
- Updated emergency response plan

CLIMATE CHANGE & RESILIENCE

POLLING QUESTIONS

How urgent do you feel flooding issues are for Winthrop? *(select one)*

- A. Very urgent
- B. Urgent
- C. Somewhat urgent
- D. Not urgent

What categories of flood risk reduction strategies would you like to see in Winthrop? *(select all that apply)*

- A. Building-level interventions (e.g. floodproofing, perimeter barriers, elevation)
- B. Infrastructure improvements (e.g. living shorelines, seawalls, elevation, floodable infrastructure)
- C. Policy and planning approaches (e.g. zoning updates, resilience checklist, design guidelines)
- D. Community programs (e.g. programs to increase family and business resiliency, updated emergency response plan)

OPERATIONAL SERVICE DELIVERY

delivering daily administrative services
inspectional services
emergency response
public works

OPERATIONAL SERVICE DELIVERY

INSPECTIONAL SERVICES – EMERGENCY RESPONSE – PUBLIC WORKS

JANUARY 2017 ASSESSMENT – EDSAT REPORT

“DEAL-MAKERS”

promote these assets to prospective investors

Predictable permitting

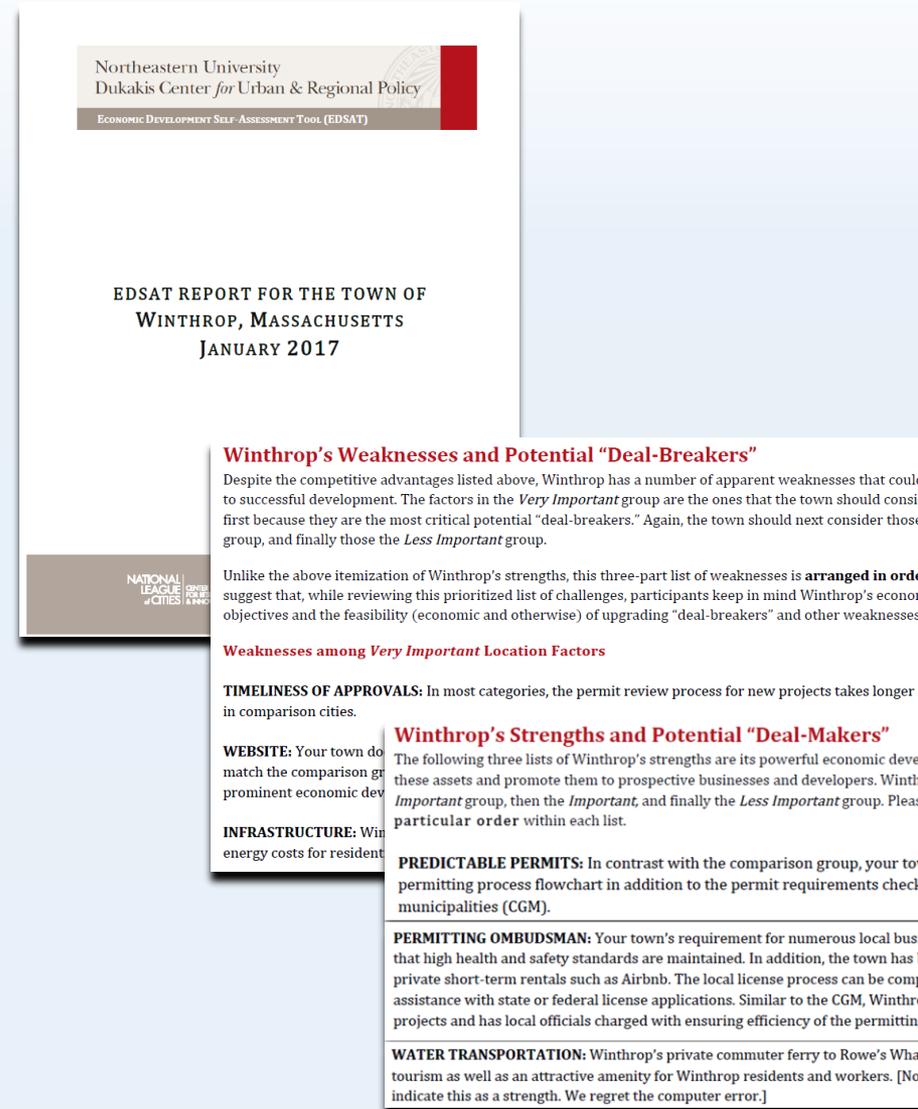
development handbook & process flowchart
permit checklist

Permitting ombudsman (or equivalent)

licensing requirements for high standards
clarification of regulations,
e.g. short-term rentals AirBnBs
local licensing process is short
assists with state/federal licenses

Water transportation

private ferry positive for tourism
attractive amenity for residents & workers



OPERATIONAL SERVICE DELIVERY

INSPECTIONAL SERVICES – EMERGENCY RESPONSE – PUBLIC WORKS

JANUARY 2017 ASSESSMENT – EDSAT REPORT

“DEAL-BREAKERS”

can impede private investment

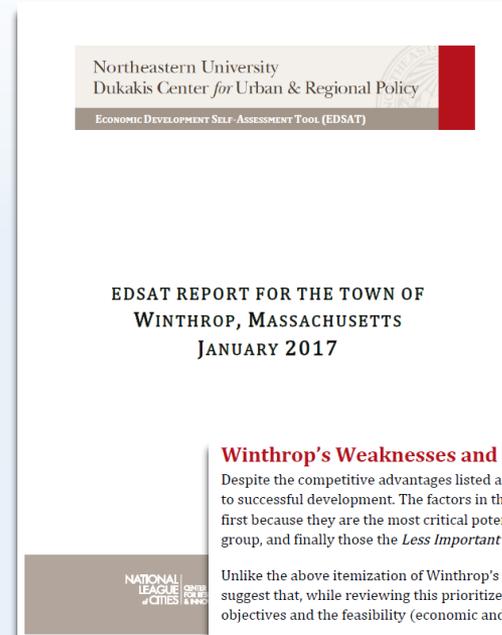
Timeliness of approvals

Website

- need dedicated webmaster
- more user-friendly navigation
- more prominent econ dev portal

Infrastructure

- energy costs higher
- water & sewer for current needs only
- CBD SEWER PROJECT UNDERWAY**



Winthrop's Weaknesses and Potential "Deal-Breakers"

Despite the competitive advantages listed above, Winthrop has a number of apparent weaknesses that could impede successful development. The factors in the *Very Important* group are the ones that the town should consider first because they are the most critical potential "deal-breakers." Again, the town should next consider those in the *Important* group, and finally those the *Less Important* group.

Unlike the above itemization of Winthrop's strengths, this three-part list of weaknesses is **arranged in order of importance**. The factors in the *Very Important* group are the ones that the town should consider first because they are the most critical potential "deal-breakers." Again, the town should next consider those in the *Important* group, and finally those the *Less Important* group.

Weaknesses among *Very Important* Location Factors

TIMELINESS OF APPROVALS: In most categories, the permit review process for new projects takes longer in Winthrop than in comparison cities.

WEBSITE: Your town does not match the comparison group in terms of website. A more prominent economic development website is needed.

INFRASTRUCTURE: Winthrop's energy costs for residential use are higher than those of comparison municipalities.

Winthrop's Strengths and Potential "Deal-Makers"

The following three lists of Winthrop's strengths are its powerful economic development assets and promote them to prospective businesses and developers. Winthrop should first consider the *Very Important* group, then the *Important*, and finally the *Less Important* group. Please note the particular order within each list.

PREDICTABLE PERMITS: In contrast with the comparison group, your town has a clear permitting process flowchart in addition to the permit requirements checklist for comparison municipalities (CGM).

PERMITTING OMBUDSMAN: Your town's requirement for numerous local business licenses that high health and safety standards are maintained. In addition, the town has been successful in securing private short-term rentals such as Airbnb. The local license process can be complex and costly. Assistance with state or federal license applications. Similar to the CGM, Winthrop has a permitting ombudsman and has local officials charged with ensuring efficiency of the permitting process.

WATER TRANSPORTATION: Winthrop's private commuter ferry to Rowe's Wharf is a valuable asset for tourism as well as an attractive amenity for Winthrop residents and workers. [Not included in this report as a strength. We regret the computer error.]

OPERATIONAL SERVICE DELIVERY

INSPECTIONAL SERVICES – EMERGENCY RESPONSE – PUBLIC WORKS

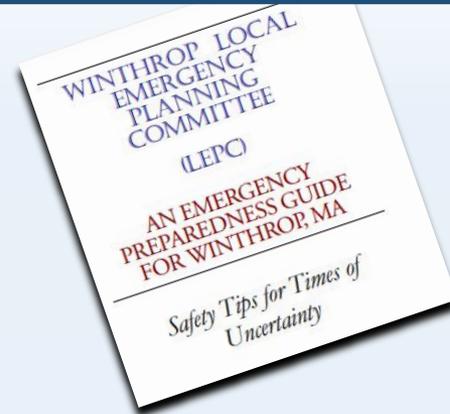
YOUR IDEAS FOR IMPROVEMENTS?

COMBINED POLICE & FIRE



Winthrop
Public Safety

HURRICANE PREPAREDNESS



311 SERVICE REQUESTS?

TRASH & RECYCLING? STREET SWEEPING?



OPERATIONAL SERVICE DELIVERY

INSPECTIONAL SERVICES – EMERGENCY RESPONSE – PUBLIC WORKS

POLLING QUESTIONS

Which should be improved sooner? (*select one*)

- A. Increased ferry service for residents' commutes
- B. Website overhaul
- C. Faster new projects review periods and/or processes
- D. Energy costs reduction, e.g., weatherization, & upgrades to HVAC systems

Which could be done in the long term? (*select one*)

- A. Increased ferry service for residents' commutes
- B. Website overhaul
- C. Faster new projects review periods and/or processes
- D. Energy costs reduction, e.g., weatherization, & upgrades to HVAC systems

BREAKOUT GROUPS

small discussion groups

In a few minutes, we will be breaking out into small groups for deeper discussion.

You will receive a notification that will prompt you to join a Zoom breakout room.

Please confirm that you want to join a breakout room (otherwise you will remain in the main room by yourself).

Once there, MAPC staff will initiate a conversation about the information you have just seen.

winthrop visioning 2030

a two-part online open house workshop

ONLINE VISIONING OPEN HOUSE – 30 MAY 2020

HOUSING

OPEN SPACE

SCHOOLS/EDUCATION

CLIMATE CHANGE RESILIENCE

JOBS & ECONOMIC DEVELOPMENT

TRANSPORTATION

FACILITIES & ENERGY USE

OPERATIONAL SERVICE DELIVERY

thank you

ALL WINTHROP COMMUNITY MEMBERS ARE ENCOURAGED TO PARTICIPATE AT
AT **MAPC.MA/WINTHROP2030**
THROUGHOUT ALL OF JUNE 2020





Google Earth

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