

Environmental Justice Screening Form

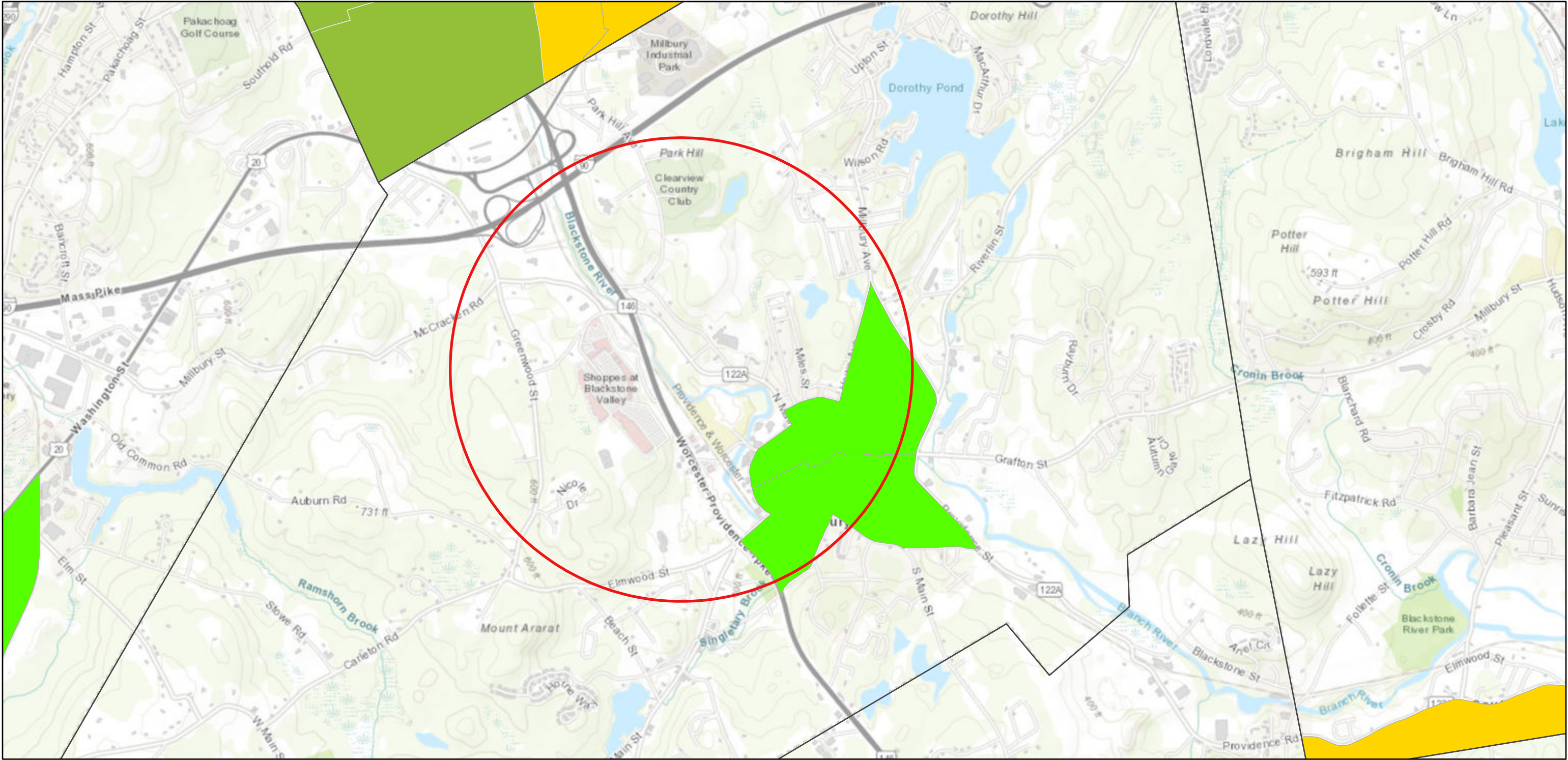
Project Name	Jacques Sand and Gravel Aquifer Wellfield
Anticipated Date of MEPA Filing	August 15, 2026
Proponent Name	Aquarion Water Company of Millbury
Contact Information (e.g., consultant)	Peter Newton, P.G. pgn@h2olsonengineering.com 508-965-2037
Public website for project or other physical location where project materials can be obtained (if available)	10 Riverside Drive Suite #103 Lakeville, MA 02347
Municipality and Zip Code for Project (if known)	Millbury, MA 01527
Project Type* (list all that apply)	Water Supply – New Source
Is the project site within a mapped 100-year FEMA flood plain? Y/N/unknown	Yes
Estimated GHG emissions of conditioned spaces (click here for GHG Estimation tool)	0 tpy (tons per year), no structures proposed

Project Description

1. Provide a brief project description, including overall size of the project site and square footage of proposed buildings and structures if known. The proposed project involves the construction of a new wellfield at the existing Jacques Drinking Water Treatment Plant at 173 Main Street in Millbury, Massachusetts. The new wellfield will be constructed on the same site as the existing treatment building and the Jacques #1 and Jacques #2 Wells, two wells owned and operated by the Aquarion Water Company to supply water to the Town of Millbury. Construction will include the connecting of four new wells to the existing treatment system; Well 22A, Well 22B, Well 22C, and Well 22D, which will be utilized in addition to the existing Jacques Wells. The proposed withdrawal rates are 105 gpm, 65 gpm, 74 gpm, and 55 gpm for Wells 22A through 22D respectively, or 300 gpm combined.
2. List anticipated MEPA review thresholds (301 CMR 11.03) (if known) <u>301 CMR 11.03(4)(b)1.</u> – New withdrawal or Expansion in withdrawal of 100,000 or more gpd from a water source that requires New construction for the withdrawal.
3. List all anticipated state, local and federal permits needed for the project (if known) MEPA Secretary's Certificate (EEOEA) Massachusetts Historical Commission Review (MHC) BRP WS 20 – Approval to Construct a Source of 70 Gallons per Minute or Greater (MassDEP) BRP WM-02 Water Management Act Permit Amendment (MassDEP)

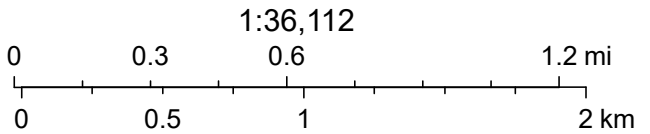
4. Identify EJ populations and characteristics (Minority, Income, English Isolation) within 5 miles of project site (can attach map identifying 5-mile radius from EJ Maps Viewer in lieu of narrative) EJ populations within 5 miles of the project site include block groups identified for Minority, Income, and English Isolation, with block groups identified for Income being located within 1 mile of the project site. Languages identified within 5 miles of the project site include Spanish and Spanish Creole, Vietnamese, Chinese, Portuguese and Portuguese Creole, other Asian languages, other Indo-European languages, and other Indic languages. A map depicting this information is attached to this form.
5. Identify any municipality or census tract meeting the definition of “vulnerable health EJ criteria” in the DPH EJ Tool located in whole or in part within a 1 mile radius of the project site. The only municipality within 1 mile of the project site is the Town of Millbury. According to the DPH EJ Tool, the town meets the definition of “vulnerable health EJ criteria”. The Town meets the criteria for heart attacks.
6. Identify potential short-term and long-term environmental and public health impacts that may affect EJ Populations and any anticipated mitigation. The new wellfield for Public Water Supply is not anticipated to result in any short-term public health impacts for EJ populations. Construction period impacts including noise, dust, and emissions will be minimal and are only expected to impact areas immediately adjacent to the Site. These impacts will be mitigated in accordance with local, state, and federal requirements. The construction is not anticipated to result in any long-term public health impacts.
7. Identify project benefits, including “Environmental Benefits” as defined in 301 CMR 11.02, that may improve environmental conditions or public health of the EJ population. The project will increase the access to and reliability of clean, safe, public drinking water to all customers serviced by Aquarion Water Company of Millbury, and all members of the general public that make use of the businesses and facilities which use or serve public drinking water.
8. Describe how the community can request a meeting to discuss the project, and how the community can request oral language interpretation services at the meeting. Specify how to request other accommodations, including meetings after business hours and at locations near public transportation. The community can request a meeting to discuss the project by contacting Peter Newton at the contact information listed above. In this request, the community can note other accommodations needed such as meetings after business hours, or meetings at locations near public transportation.

2020 Environmental Justice Neighborhoods



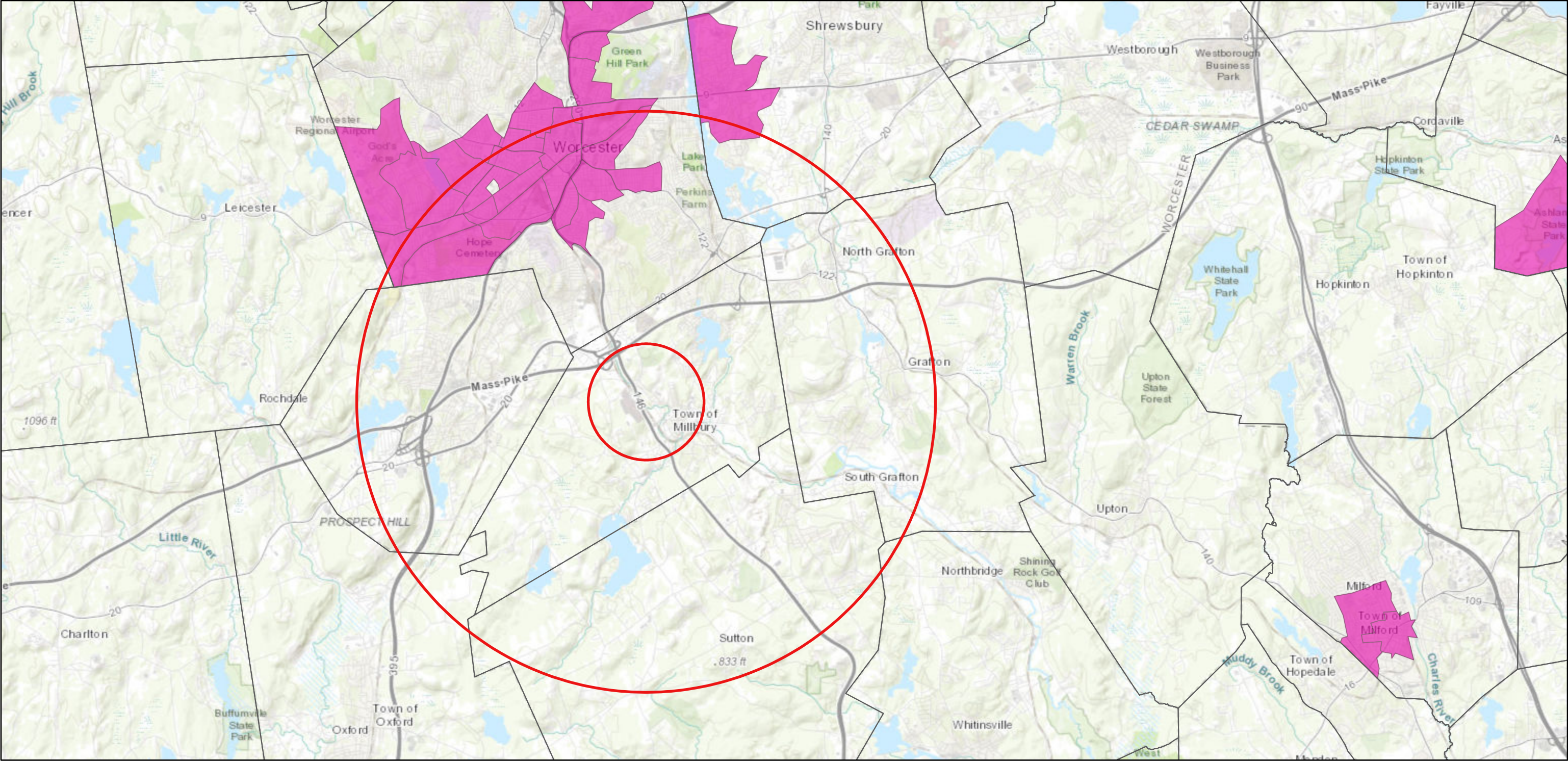
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- MA 2020 Environmental Justice Block Groups
- Override 1
 - Minority: the block group minority population is $\geq 40\%$, or the block group minority population is $\geq 25\%$ and the median household income of the municipality the block group is in is $< 150\%$ of the Massachusetts median household income
 - Income: the block group median household income is 65% or less than the state median household income
 - Minority and Income



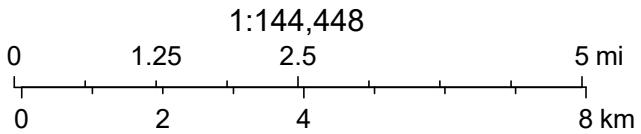
MassGIS, Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

Languages spoken in Massachusetts



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- Override 1
- 2015 ACS: Languages spoken by at least 5% of population in the census tract who do not speak English very well, by tract



MassGIS, Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

MA EPHT Environmental Justice Community Snapshot Report for Millbury

Environmental Justice (EJ) is based on principles that support people’s protection from environmental pollution and the ability to live in and enjoy a clean and healthy environment, regardless of race, color, income, class, handicap, gender identity, sexual orientation, national origin, ethnicity or ancestry, religious belief, or English language proficiency.

The DPH Massachusetts Environmental Public Health Tracking (EPHT) EJ Tool incorporates data on EJ populations and specific health criteria into an interactive data mapping tool to help understand the populations and neighborhoods most impacted by environmental burdens, and most likely to suffer from negative health conditions exacerbated by climate change.

The purpose of the EJ Community Snapshot report is to share community level information to help people see where health disparities exist and make informed decisions. This report provides a summary of EJ criteria alongside vulnerable health EJ indicators as defined by the MA EOEEA EJ Policy.

Millbury EJ Report

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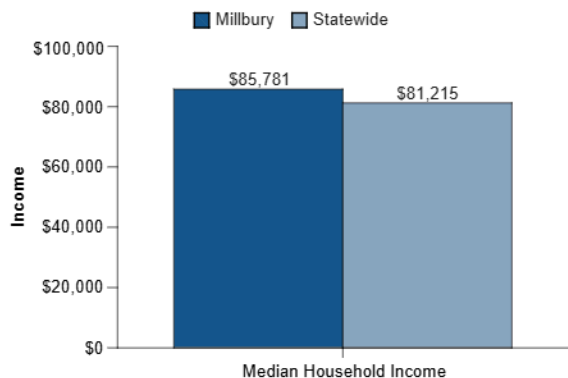
In Massachusetts, EJ populations are defined as neighborhoods (U.S. Census block groups) that meet at least 1 of the following criteria:

- 1. The annual median household income is 65 percent or less of the statewide annual median household income
- 2. Minorities make up 40 percent or more of the population; or minorities make up 25 percent or more of the population and the annual median household income of the municipality in which the neighborhood is located does not exceed 150 percent of the statewide annual median household income.
- 3. 25 percent or more of households identify as speaking English less than "very well".

Number of EJ neighborhoods in Millbury: 2

Percentage of population living in EJ neighborhoods for Millbury: 12.7%

Median Household Income



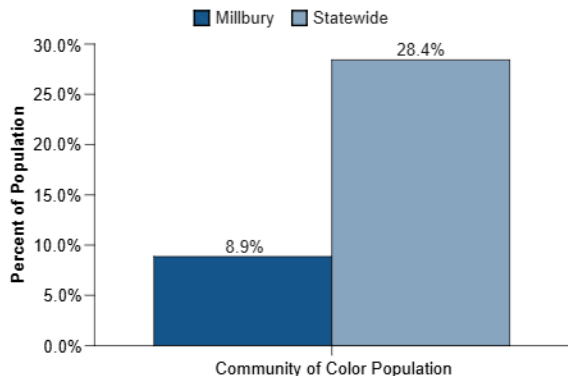
Meets Income EJ Criteria: **Yes**

Millbury’s overall annual median household income is higher than 65% of the statewide median household income.
22.2% of Millbury neighborhoods meet the Income EJ criteria.

EJ Criteria	Millbury	Massachusetts
Median Household Income	\$85,781	\$85,843

Source: American Community Survey 2015-2019 5-year estimates
Neighborhood = U.S. Census block group

Community of Color Population



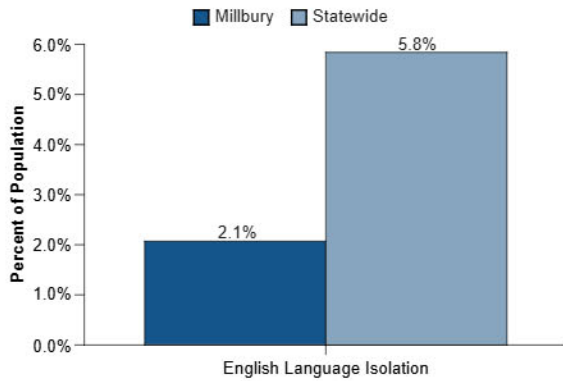
Meets Community of Color EJ Criteria: **No**

No neighborhoods in Millbury meet the Community of Color EJ criteria. 8.9% of Millbury’s total population identify as people of color.

EJ Criteria	Millbury	Massachusetts
Community of Color Population	8.9% of population	28.4% of population

Source: 2020 Census Redistricting Data (C)
Neighborhood = U.S. Census block group

English Language Isolation



Meets English Isolation EJ Criteria: **No**

No neighborhoods in Millbury meet the English Isolation EJ criteria. 2.1% of the households in Millbury reported having no one over age 14 that speaks only English, or English "very well."

EJ Criteria	Millbury	Massachusetts
English Language Isolation	2.1% of households	5.8% of households

Source: American Community Survey 2015-2019 5-year estimates
Neighborhood = U.S. Census block group

Millbury Vulnerable Health EJ Report

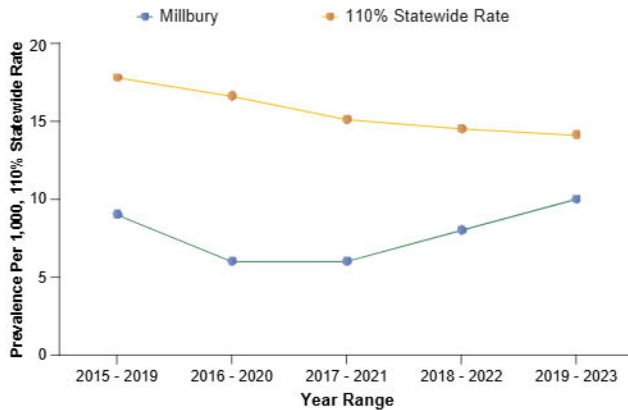
Environmental Justice communities meet the Vulnerable Health EJ criteria if the 5-year average age-adjusted rates are equal to or greater than 110% of the state average for at least 1 of the following:

- Heart attack hospitalizations
- Childhood blood lead levels
- Low-birth Weight
- Childhood asthma emergency department visits (ages 5-14)

These health criteria are not meant to define new EJ populations, but instead, be used as a secondary screening step to evaluate existing health burdens among EJ populations that have greater vulnerability to environmental exposures and climate impacts.

This following graphs and tables show the vulnerable health EJ rates for Millbury, the green line in the chart, and 110% of the overall Massachusetts Heart Attack rate, the yellow line in the charts, over five 5-year periods.

Childhood Blood Lead

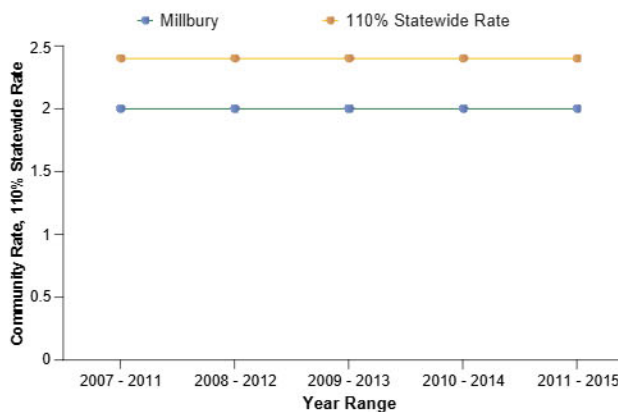


None of Millbury's EJ neighborhoods meet the VH EJ criteria for Childhood Lead Poisoning.

Year Range	Meets Vulnerable Health EJ Criteria	BLL ≥5 ug/dL Prevalence per 1,000	Stability
2015 - 2019	No	9	Stable
2016 - 2020	No	6	Unstable
2017 - 2021	No	6	Unstable
2018 - 2022	No	8	Stable
2019 - 2023	No	10	Stable

Use the [custom mapping tool](#) to further explore data for childhood blood lead at the census tract level.
Source: MA DPH Childhood Lead Poisoning Prevention Program

Low Birth Weight

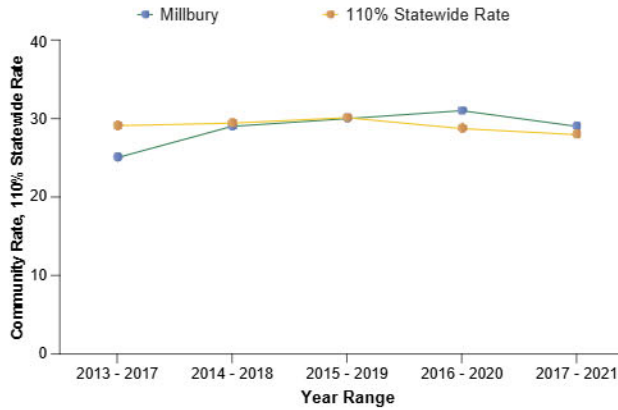


None of Millbury's EJ neighborhoods meet the VH EJ criteria for Low Birth Weight.

Year Range	Meets Vulnerable Health EJ Criteria	Rate per 100	Stability
2007 - 2011	Yes	2	Unstable
2008 - 2012	No	2	Unstable
2009 - 2013	No	2	Unstable
2010 - 2014	No	2	Unstable
2011 - 2015	No	2	Unstable

Use the [custom mapping tool](#) to further explore data for low birth weight at the census tract level.
Source: Massachusetts Registry of Vital Records and Statistics

Heart Attack

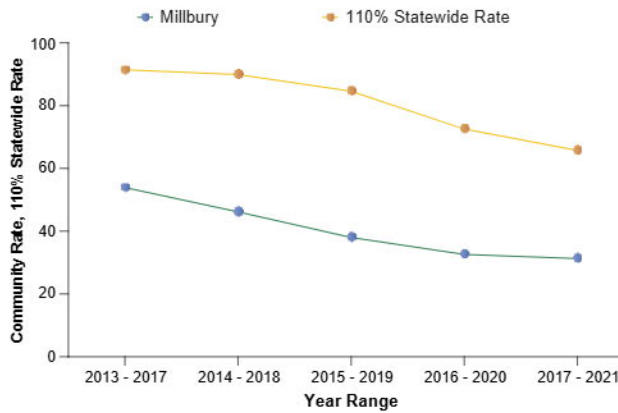


At least 1 of Millbury's EJ neighborhoods meets the VH EJ criteria for Heart Attack.

Year Range	Meets Vulnerable Health EJ Criteria	Age-adjusted Rate per 10,000	Stability
2013 - 2017	No	25	Stable
2014 - 2018	No	29	Stable
2015 - 2019	No	30	Stable
2016 - 2020	Yes	31	Stable
2017 - 2021	Yes	29	Stable

Heart attack hospital hospitalization data are not currently available for geographies below the city or town level
Source: Massachusetts Center for Health Information and Analysis

Childhood Asthma



None of Millbury's EJ neighborhoods meet the VH EJ criteria for Childhood Asthma.

Year Range	Meets Vulnerable Health EJ Criteria	Crude Rate per 10,000	Stability
2013 - 2017	No	54	Unstable
2014 - 2018	No	46	Unstable
2015 - 2019	No	38	Unstable
2016 - 2020	No	33	Unstable
2017 - 2021	No	31	Unstable

Childhood asthma emergency department visits data are not currently available for geographies below the city or town level
Source: Massachusetts Center for Health Information and Analysis

Use the [custom mapping tool](#) to further explore vulnerable health EJ data for Millbury.

NS = not shown due to [small numbers](#)

Stability refers to the reliability of the rate; when there are too few cases in a city or town, the rate is unstable and considered unreliable.

Learn more about why these health criterion were chosen in the page.