

CITY OF NEWBURYPORT



IN CITY COUNCIL

ORDERED:

March 9, 2020

THAT THE CITY OF NEWBURYPORT, having convened in an open meeting on _____, 2020, prior to the closing date, the City Council of Newburyport, in accordance with its charter, by-laws, and ordinances, has voted to authorize the Superintendent to submit to the Massachusetts School Building Authority the Statement of Interest dated February 28, 2020 for the Newburyport High School located at 241 High Street which describes and explains the following deficiencies and the priority category(ies) for which an application may be submitted to the Massachusetts School Building Authority in the future:

- 1) Roof
- 2) Science labs

And hereby further specifically acknowledges that by submitting this Statement of Interest form, the Massachusetts School Building Authority in no way guarantees the acceptance or the approval of an application, the awarding of a grant or any other funding commitment from the Massachusetts School Building Authority, or commits the City to filing an application for funding with the Massachusetts School Building Authority.

Councillor Jared J. Eigerman



CITY OF NEWBURYPORT
OFFICE OF THE MAYOR
DONNA D. HOLADAY, MAYOR

60 PLEASANT STREET - P.O. BOX 550
NEWBURYPORT, MA 01950
978-465-4413 PHONE
978-465-4402 FAX

To: City Councillors

From: Mayor Donna D. Holaday

Date: March 3, 2020

Re: Statement of Interest

Attached please find the MA School Building Authority's required form, Statement of Interest (SOI), to initiate the process for Newburyport to enter the review process for a new roof and upgrades to the science labs at the Newburyport High School.

Steve Bergholm, Director of Facilities, completed this form and the comprehensive information required by MSBA. Mr. Bergholm will be available for the subcommittee review to answer questions. It typically takes several years to be accepted into MSBA process which is why it makes good sense to begin the process at this juncture. The form must be submitted by April 8th and I request the City Council vote on the SOI at your meeting on March 30th. We anticipate, if accepted into the process, a similar funding percentage from the MSBA as with the Bresnahan new elementary school and renovations to Nock/Molin of approximately 50%. We will not have a detailed plans and true costs until the next step in the process where the city commits funding to complete the feasibility study.

Additional details of the MSBA process may be found at <https://www.massschoolbuildings.org/building>

Thank you

RECEIVED
CITY CLERK'S OFFICE
NEWBURYPORT, MA

Massachusetts School Building Authority

2020 MAR -3 PM 2: 54

School District Newburyport

District Contact Steve Bergholm TEL: (978) 465-4440

Name of School Newburyport High

Submission Date 2/28/2020

SOI CERTIFICATION

To be eligible to submit a Statement of Interest (SOI), a district must certify the following:

- ☒ The district hereby acknowledges and agrees that this SOI is NOT an application for funding and that submission of this SOI in no way commits the MSBA to accept an application, approve an application, provide a grant or any other type of funding, or places any other obligation on the MSBA.
- ☒ The district hereby acknowledges that no district shall have any entitlement to funds from the MSBA, pursuant to M.G.L. c. 70B or the provisions of 963 CMR 2.00.
- ☒ The district hereby acknowledges that the provisions of 963 CMR 2.00 shall apply to the district and all projects for which the district is seeking and/or receiving funds for any portion of a municipally-owned or regionally-owned school facility from the MSBA pursuant to M.G.L. c. 70B.
- ☒ The district hereby acknowledges that this SOI is for one existing municipally-owned or regionally-owned public school facility in the district that is currently used or will be used to educate public PreK-12 students and that the facility for which the SOI is being submitted does not serve a solely early childhood or Pre-K student population.
- ☒ After the district completes and submits this SOI electronically, the district must mail hard copies of the required documentation described under the "Vote" tab, on or before the deadline.
- ☒ The district will schedule and hold a meeting at which the School Committee will vote, using the specific language contained in the "Vote" tab, to authorize the submission of this SOI. This is required for cities, towns, and regional school districts.
- ☒ Prior to the submission of the SOI, the district will schedule and hold a meeting at which the City Council/Board of Aldermen or Board of Selectmen/equivalent governing body will vote, using the specific language contained in the "Vote" tab, to authorize the submission of this SOI. This is not required for regional school districts.
- ☒ On or before the SOI deadline, the district will submit the minutes of the meeting at which the School Committee votes to authorize the Superintendent to submit this SOI. The District will use the MSBA's vote template and the vote will specifically reference the school and the priorities for which the SOI is being submitted. The minutes will be signed by the School Committee Chair. This is required for cities, towns, and regional school districts.
- ☒ The district has arranged with the City/Town Clerk to certify the vote of the City Council/Board of Aldermen or Board of Selectmen/equivalent governing body to authorize the Superintendent to submit this SOI. The district will use the MSBA's vote template and submit the full text of this vote, which will specifically reference the school and the priorities for which the SOI is being submitted, to the MSBA on or before the SOI deadline. This is not required for regional school districts.
- ☒ The district hereby acknowledges that this SOI submission will not be complete until the MSBA has received all of the required vote documentation in a format acceptable to the MSBA. If Priority 1 is selected, your SOI will not be considered complete unless and until you provide the required engineering (or other) report, a professional opinion regarding the problem, and photographs of the problematic area or system. If Priority 3 is selected, your SOI will not be considered complete unless and until you provide a summary of the accreditation report focused on the deficiency as stated in this SOI.

Massachusetts School Building Authority

School District Newburyport

District Contact Steve Bergholm TEL: (978) 465-4440

Name of School Newburyport High

Submission Date 2/28/2020

Note

The following Priorities have been included in the Statement of Interest:

1. ☐ Replacement or renovation of a building which is structurally unsound or otherwise in a condition seriously jeopardizing the health and safety of school children, where no alternative exists.
2. ☐ Elimination of existing severe overcrowding.
3. ☐ Prevention of the loss of accreditation.
4. ☐ Prevention of severe overcrowding expected to result from increased enrollments.
5. ☒ Replacement, renovation or modernization of school facility systems, such as roofs, windows, boilers, heating and ventilation systems, to increase energy conservation and decrease energy related costs in a school facility.
6. ☐ Short term enrollment growth.
7. ☒ Replacement of or addition to obsolete buildings in order to provide for a full range of programs consistent with state and approved local requirements.
8. ☐ Transition from court-ordered and approved racial balance school districts to walk-to, so-called, or other school districts.

SOI Vote Requirement

☒ I acknowledge that I have reviewed the MSBA's vote requirements for submitting an SOI which are set forth in the Vote Tab of this SOI. I understand that the MSBA requires votes from specific parties/governing bodies, in a specific format using the language provided by the MSBA. Further, I understand that the MSBA requires certified and signed vote documentation to be submitted with the SOI. I acknowledge that my SOI will not be considered complete and, therefore, will not be reviewed by the MSBA unless the required accompanying vote documentation is submitted to the satisfaction of the MSBA.

SOI Program: Core

Potential Project Scope: Renovation\ Addition

Is this a Potential Consolidation? No

Is this SOI the District Priority SOI? Yes

School name of the District Priority SOI: Newburyport High

Is this part of a larger facilities plan? Yes

If "YES", please provide the following:

Facilities Plan Date: 3/25/2019

Planning Firm: Newburyport Public Schools/City of Newburyport

Please provide a brief summary of the plan including its goals and how the school facility that is the subject of this SOI fits into that plan:

FY20-24 Capital Improvement Plan: The Newburyport Public Schools, working with the City of Newburyport, updates a 5-year Capital Improvement Plan annually. This plan lists capital needs for all school facilities across the district. The CIP is presented by the Director of Facilities to, and approved by the School Committee before being sent to the Mayor and City Council for prioritization with other capital needs across the city. In recent years the CIP submitted for consideration to the Mayor's Office has included the following for Newburyport High school: exterior woodwork restoration, sidewalk replacements, roof replacement, technology upgrades, energy reduction programs, auditorium sound and lighting system replacement, fire alarm system upgrade, security updates and others. Funding is appropriated as available, and some projects find other sources of funding through grants and/or donations. The current CIP can be found on the city website at: https://www.cityofnewburyport.com/sites/newburyportma/files/uploads/fy20-24_capital_improvement_program_proposed_3-25-19.pdf

Please provide the current student to teacher ratios at the school facility that is the subject of this SOI: 10 students per teacher

Please provide the originally planned student to teacher ratios at the school facility that is the subject of this SOI: 10 students per teacher

Does the District have a Master Educational Plan that includes facility goals for this building and all school buildings in District? Yes

If "YES", please provide the author and date of the District's Master Educational Plan.

The City of Newburyport has a Master Plan that includes an educational component. The development of the Master Plan was spearheaded by members of the Planning Department and was adopted by the Newburyport City Council in December of 2017. The Master Plan can be found on the city website at: <https://www.cityofnewburyport.com/sites/newburyportma/files/uploads/2017-master-plan-final-printed-version-w-adoption-dates.pdf>

Is there overcrowding at the school facility? No

If "YES", please describe in detail, including specific examples of the overcrowding.

Has the district had any recent teacher layoffs or reductions? No

If "YES", how many teaching positions were affected? 0

At which schools in the district?

Please describe the types of teacher positions that were eliminated (e.g., art, math, science, physical education, etc.).

Has the district had any recent staff layoffs or reductions? No

If "YES", how many staff positions were affected? 0

At which schools in the district?

Please describe the types of staff positions that were eliminated (e.g., guidance, administrative, maintenance, etc.).

Please provide a description of the program modifications as a consequence of these teacher and/or staff reductions, including the impact on district class sizes and curriculum.

Does Not Apply

Please provide a description of the local budget approval process for a potential capital project with the MSBA. Include schedule information (i.e. Town Meeting dates, city council/town council meetings dates, regional school committee meeting dates). Provide, if applicable, the District's most recent budget approval process that resulted in a budget reduction and the impact of the reduction to the school district (staff reductions, discontinued programs, consolidation of facilities).

SECTION 6-2: ANNUAL BUDGET MEETING The mayor shall call a joint meeting of the city council and school committee, to include the superintendent of schools, before the commencement of the annual budget process to review the financial condition of the city, revenue and expenditure forecasts, and other relevant information prepared by the mayor in order to develop a coordinated budget. SECTION 6-3: SUBMISSION OF OPERATING BUDGET; BUDGET MESSAGE No later than May 15 of each year, the mayor shall submit to the city council a proposed operating budget for all city agencies, which shall include the school department, for the ensuing fiscal year with an accompanying budget message and supporting documents. The proposed operating budget shall provide a complete fiscal plan of all city funds and activities. The school budget, as adopted by the school committee shall be submitted to the mayor at least 10 days before the submission of the proposed operating budget to the city council. The mayor shall notify the school committee of the date by which the proposed budget of the school committee shall be submitted to the mayor. The mayor and the superintendent of schools shall coordinate the dates and times of the school committee's budget process under the General Laws. Public Hearing - The city council shall publish in at least one (1) local newspaper a notice of the proposed operating budget as submitted by the mayor. The notice shall state (1) the times and places where copies of the entire proposed operating budget are available for inspection by the public, and (2) the date, time and place not less than 14 days after its publication, when a public hearing on the proposed operating budget will be held by the city council. The city council shall adopt the proposed operating budget, with or without amendments, within 45 days following the date the proposed budget is filed with the city clerk. Funding a capital project would likely require an override vote.

General Description

BRIEF BUILDING HISTORY: Please provide a detailed description of when the original building was built, and the date(s) and project scopes(s) of any additions and renovations (maximum of 5000 characters).

Original construction of Newburyport High School was completed in 1937. A complete renovation and addition occurred from 1999 to 2002.

A project to rehabilitate the exterior woodwork on the high school has been ongoing since 2012 as Community Preservation Funds are made available and allocated to the project. This historic restoration has been designed and monitored by an architectural firm with extensive historic restoration experience, and following strict historic restoration standards.

TOTAL BUILDING SQUARE FOOTAGE: Please provide the original building square footage PLUS the square footage of any additions.

215000

SITE DESCRIPTION: Please provide a detailed description of the current site and any known existing conditions that would impact a potential project at the site. Please note whether there are any other buildings, public or private, that share this current site with the school facility. What is the use(s) of this building(s)? (maximum of 5000 characters).

Newburyport High School sits on a 13.3 acre site at the top of a hill in a residential neighborhood.

The site also includes the War Memorial Stadium which was recently renovated (completed 2016) including an artificial turf field. The Stadium is used for various sporting events as well as the site for the high school's graduation ceremony.

There is a concession stand near the Stadium along with a small electrical shed that provides power to the Stadium. A baseball field is also located on the site.

The parking areas are insufficient for the number of staff in the building. Some staff and all students have to park off-site. Any project that requires a lay-down area for materials is challenging when done while school is in session.

ADDRESS OF FACILITY: Please type address, including number, street name and city/town, if available, or describe the location of the site. (Maximum of 300 characters)

Newburyport High School
241 High Street
Newburyport, MA 01950

BUILDING ENVELOPE: Please provide a detailed description of the building envelope, types of construction materials used, and any known problems or existing conditions (maximum of 5000 characters).

Exterior walls of the building are brick. They are in generally good condition.

Most windows are over-sized double-hung wooden sash. The one major exception is the south façade which has aluminum frame windows overlooking the stadium. The size of the double-hung windows make them difficult to operate. Most are in good condition, but there are some, particularly on the northeast side of the building that are showing signs of deterioration due to their exposure to the north-east wind coming off the ocean.

Doors are a combination of wooden historic replica and aluminum store-front style. The wooden doors are sometimes problematic from a security standpoint during wet or humid weather when they swell and do not automatically latch securely. During these times they require regular adjustment.

Over the center main portion of the 1937 portion of the building is an asphalt shingled hip roof. This section of roof is in poor condition, needing regular maintenance to replace shingles that blow off during strong wind storms, and leaking in areas where flashing has apparently failed. This roof was installed in 1995.

The remaining sections on the 1937 portion of the building are flat PVC roofs that were last replaced in 1995 as part of a district-wide roofing project. There have been numerous leaks on all four of these separate sections (Library, Auditorium, East Classroom Wing, West Classroom Wing) as can be seen by the number of patches in these areas and stained ceilings that are visible in areas such as the Auditorium.

The five sections described above are on the Building A section of the high school and are in need of replacement as they are approaching 20 years of age.

The EPDM roof on the 2002 addition is in good condition. A small project was conducted on this roof circa 2011 to correct an issue with the membrane pulling away from the bases of several of the roof top air handling units.

Has there been a Major Repair or Replacement of the EXTERIOR WALLS? YES

Year of Last Major Repair or Replacement:(YYYY) 2002

Description of Last Major Repair or Replacement:

The exterior walls on the original (1937) portion of the building have not had a major repair or replacement other than repointing. The addition that was constructed from 1999 to 2002 replaced an earlier addition that was constructed circa 1960.

Roof Section A

Is the District seeking replacement of the Roof Section? YES

Area of Section (square feet) 6000

Type of ROOF (e.g., PVC, EPDM, Shingle, Slate, Tar & Gravel, Other (please describe))
Shingle

Age of Section (number of years since the Roof was installed or replaced) 24

Description of repairs, if applicable, in the last three years. Include year of repair:

Replacement of shingles that have blown off has occurred in each of the last three years.

Roof Section B

Is the District seeking replacement of the Roof Section? YES

Area of Section (square feet) 35100

Type of ROOF (e.g., PVC, EPDM, Shingle, Slate, Tar & Gravel, Other (please describe))

Flat PVC-this section is made up of four separate areas all last replaced in 1995 including east classrooms, west classrooms, auditorium & library.

Age of Section (number of years since the Roof was installed or replaced) 24

Description of repairs, if applicable, in the last three years. Include year of repair:

Patching has been performed numerous times on this roof over the past three years including most recently December 2019.

Roof Section C

Is the District seeking replacement of the Roof Section? NO

Area of Section (square feet) 18400

Type of ROOF (e.g., PVC, EPDM, Shingle, Slate, Tar & Gravel, Other (please describe))

Flat EPDM over south classroom area addition that was constructed in 1999-2002

Age of Section (number of years since the Roof was installed or replaced) 19

Description of repairs, if applicable, in the last three years. Include year of repair:

Minor patching in 2018 & 2019.

Roof Section D

Is the District seeking replacement of the Roof Section? NO

Area of Section (square feet) 7900

Type of ROOF (e.g., PVC, EPDM, Shingle, Slate, Tar & Gravel, Other (please describe))

Gym-ballasted EPDM installed in 1999-2002 during the renovation and addition project. Proposed addition would be constructed over this section.

Age of Section (number of years since the Roof was installed or replaced) 19

Description of repairs, if applicable, in the last three years. Include year of repair:

None

Roof Section E

Is the District seeking replacement of the Roof Section? NO

Area of Section (square feet) 3500

Type of ROOF (e.g., PVC, EPDM, Shingle, Slate, Tar & Gravel, Other (please describe))

Cafeteria-sloped PVC installed during the renovation and addition project from 1999 to 2002.

Age of Section (number of years since the Roof was installed or replaced) 19

Description of repairs, if applicable, in the last three years. Include year of repair:

Patching of seams in the built-in rain gutter in 2019.

Roof Section F

Is the District seeking replacement of the Roof Section? NO

Area of Section (square feet) 450

Type of ROOF (e.g., PVC, EPDM, Shingle, Slate, Tar & Gravel, Other (please describe))

Standing seam metal roofing over "connector" areas between the original building and the addition that was constructed in 1999-2002. This includes 9 small separate roof areas.

Age of Section (number of years since the Roof was installed or replaced) 19

Description of repairs, if applicable, in the last three years. Include year of repair:

Patching of seams and flashing along rising brick walls 2018 & 2019.

Window Section A

Is the District seeking replacement of the Windows Section? NO

Windows in Section (count) 374

Type of WINDOWS (e.g., Single Pane, Double Pane, Other (please describe))

Wooden double-hung, double pane windows.

Age of Section (number of years since the Windows were installed or replaced) 19

Description of repairs, if applicable, in the last three years. Include year of repair:

Miscellaneous sash replacements 2017/2018 and two scheduled for replacement in 2020.

Window Section B

Is the District seeking replacement of the Windows Section? NO

Windows in Section (count) 60

Type of WINDOWS (e.g., Single Pane, Double Pane, Other (please describe))

Aluminum double pane

Age of Section (number of years since the Windows were installed or replaced) 19

Description of repairs, if applicable, in the last three years. Include year of repair:

None

Window Section C

Is the District seeking replacement of the Windows Section? NO

Windows in Section (count) 14

Type of WINDOWS (e.g., Single Pane, Double Pane, Other (please describe))

Large wood-frame fixed glass double pane (library & auditorium)

Age of Section (number of years since the Windows were installed or replaced) 19

Description of repairs, if applicable, in the last three years. Include year of repair:

Exterior trim board replacement on one window in 2019

MECHANICAL and ELECTRICAL SYSTEMS: Please provide a detailed description of the current mechanical and electrical systems and any known problems or existing conditions (maximum of 5000 characters).

Both the mechanical and electrical systems were updated as part of the renovation and addition project between 1999 and 2002.

Heat is provided to the school by two natural gas-fired Smith Boilers which provide hot water to various terminal devices throughout the school including nine interior air handling units and three roof-top air handling units which provide fresh air throughout the building. Heat to the classrooms is provided by ceiling mounted fan coil units, and offices generally receive their heat via variable air volume boxes and baseboard radiant heat.

Two Trane chillers provide chilled water for air conditioning to about 90% of the building.

Both boilers are fully operational and receive regular preventive maintenance from in-house staff with assistance from contractors from time to time. The interior fire walls of one boiler were rebuilt approximately three years ago, and the second boiler is in currently in need of that repair.

All mechanical equipment is operational and is in a condition that would be expected at this stage of its life cycle. Mechanical equipment receives regular preventive maintenance from in-house staff with assistance from contractors from time to time.

The entire electrical system from the main switch gear to all branch circuit wiring was replaced during the renovation and addition project from 1999-2002. The main electrical service is 480/277 volt, 4000 amp, three phase. The switch gear and all distribution panels were manufactured by General Electric.

A 250KW Kohler generator provides backup power to selected equipment and emergency lighting.

Lighting throughout the building is a combination of T-8 and compact fluorescent as well as recently converted LED fixtures.

Boiler Section 1

Is the District seeking replacement of the Boiler? NO

Is there more than one boiler room in the School? YES

What percentage of the School is heated by the Boiler? 100

Type of heating fuel (e.g., Heating Oil, Natural Gas, Propane, Other)

Natural gas

Age of Boiler (number of years since the Boiler was installed or replaced) 19

Description of repairs, if applicable, in the last three years. Include year of repair:

Interior fire brick replaced 2013

Boiler Section 2

Is the District seeking replacement of the Boiler? NO

Is there more than one boiler room in the School? YES

What percentage of the School is heated by the Boiler? 100

Type of heating fuel (e.g., Heating Oil, Natural Gas, Propane, Other)

Natural gas

Age of Boiler (number of years since the Boiler was installed or replaced) 19

Description of repairs, if applicable, in the last three years. Include year of repair:

Interior fire brick replaced 2018

Boiler Section 3

Is the District seeking replacement of the Boiler? NO

Is there more than one boiler room in the School? YES

What percentage of the School is heated by the Boiler? 0

Type of heating fuel (e.g., Heating Oil, Natural Gas, Propane, Other)

Natural gas (domestic hot water)

Age of Boiler (number of years since the Boiler was installed or replaced) 19

Description of repairs, if applicable, in the last three years. Include year of repair:

None

Boiler Section 4

Is the District seeking replacement of the Boiler? NO

Is there more than one boiler room in the School? YES

What percentage of the School is heated by the Boiler? 0

Type of heating fuel (e.g., Heating Oil, Natural Gas, Propane, Other)

Electricity (domestic hot water for kitchen)

Age of Boiler (number of years since the Boiler was installed or replaced) 19

Description of repairs, if applicable, in the last three years. Include year of repair:

Replaced

Boiler Section 5

Is the District seeking replacement of the Boiler? NO

Is there more than one boiler room in the School? YES

What percentage of the School is heated by the Boiler? 0

Type of heating fuel (e.g., Heating Oil, Natural Gas, Propane, Other)

Electricity (domestic hot water for science labs)

Age of Boiler (number of years since the Boiler was installed or replaced) 19

Description of repairs, if applicable, in the last three years. Include year of repair:

Replaced

Has there been a Major Repair or Replacement of the HVAC SYSTEM? YES

Year of Last Major Repair or Replacement:(YYYY) 2002

Description of Last Major Repair or Replacement:

All mechanical equipment was replaced during the renovation and addition project from 1999 to 2002.

Has there been a Major Repair or Replacement of the ELECTRICAL SERVICES AND DISTRIBUTION SYSTEM? YES

Year of Last Major Repair or Replacement:(YYYY) 2002

Description of Last Major Repair or Replacement:

All electrical equipment was replaced during the renovation and addition project from 1999 to 2002.

BUILDING INTERIOR: Please provide a detailed description of the current building interior including a description of the flooring systems, finishes, ceilings, lighting, etc. (maximum of 5000 characters).

Interior walls are generally constructed of metal studs and gypsum wall board and finished with an egg-shell paint.

Most floors are vinyl composite tile with carpeting in offices, the auditorium and library. Most ceilings areas are suspended grids with acoustical ceiling tile, with some gypsum wall board ceilings in select areas.

Lighting is typically T-8 and compact fluorescent with some recently converted LED fixtures in some areas such as the gym, auditorium, cafeteria, stairways and parking lots.

PROGRAMS and OPERATIONS: Please provide a detailed description of the current grade structure and programs offered and indicate whether there are program components that cannot be offered due to facility

constraints, operational constraints, etc. (maximum of 5000 characters).

Newburyport High School serves grades nine through twelve and the curriculum is designed around two interconnected premises. First, students will acquire and demonstrate competencies in areas of academics, career options, personal/social relationships and wellness. Second, a major aspect of demonstrating those competencies is successful completion of a core curriculum and elective course work to earn the minimum of 110 credits to be eligible for graduation.

Courses are offered in art and theater, English, math, history/social studies, science and technology, world language, wellness and physical education, and special education.

The one area that is most restricted by facility constraints at Newburyport High School is the Science, Technology and Engineering program. A shortage of teaching and lab space limits the amount of lab time that each class can be allotted.

EDUCATIONAL SPACES: Please provide a detailed description of the Educational Spaces within the facility, a description of the number and sizes (in square feet) of classrooms, a description of science rooms/labs including ages and most recent updates, a description of the cafeteria, gym and/or auditorium and a description of the media center/library (maximum of 5000 characters).

9 Math classrooms average approximately 750 sq. ft.
 9 Social Studies classrooms average approximately 750 sq. ft.
 6 English classrooms average approximately 800 sq. ft.
 6 Science classrooms average approximately 850 sq. ft. (most recent updates 2002)
 4 Science Labs average approximately 750 sq. ft.
 6 World Language classrooms and one language lab each average approximately 800 sq. ft.
 5 Special Education classrooms range from 750 to 1200 sq. ft. The Nutrition Lab is 1350 sq. ft.
 One computer lab is 800 sq. ft. and the other was recently converted to a general classroom.

The Distance Learning Lab is a 1200 Sq. Ft. lecture hall

The Art Suite includes 2 classrooms at 1600 & 1800 sq. ft, Photo Lab at 280 sq. ft. and Graphic Arts Computer Lab at 900 sq. ft.

The Library is 6600 sq. ft. and includes a PC Lab, Mac Lab, and quiet study area.
 (the Library was renovated in 2012 including new carpeting, paint, furniture & technology)

The Auditorium is 6600 sq. ft. and seats approximately 660 people.
 The Theater Program has a 900 sq. ft. room adjacent to the Auditorium
 Theater also operates the TV Production Lab (580 sq. ft.) and TV Studio (340 sq. ft.) The Band Room is 1580 sq. ft.
 The 2300 sq. ft. Wood Shop is shared by the Theater group and other programs

The Gym is 12,670 sq. feet including a fitness room
 Three sets of bleachers can seat approximately 600 people
 The Gym includes a full basketball court along with two smaller side courts
 There is a walking track around the perimeter of the gym
 The PE Department also has a 1200 sq. ft. Wellness Classroom

The Cafeteria is approximately 8800 sq. ft. and can seat approximately 300 students. There are currently three lunch periods served by a full kitchen of approximately 1500 sq. ft. Next year we will be transitioning to two lunch periods and accommodating additional students in a room adjacent to the cafeteria.

CAPACITY and UTILIZATION: Please provide the original design capacity and a detailed description of the current capacity and utilization of the school facility. If the school is overcrowded, please describe steps taken by the administration to address capacity issues. Please also describe in detail any spaces that have been converted from their intended use to be used as classroom space (maximum of 5000 characters).

Newburyport High School currently serves about 800 students. While there are always challenges to find space for all of the programs and services that are offered, the school is not considered to be overcrowded.

The original Television Production Room is now used as an office for the Technology Department. The Television Production program was relocated into a room that is also used by a Music Technology class.

One computer lab was converted to a general classroom since the lab setting was no longer required due to technological advances.

MAINTENANCE and CAPITAL REPAIR: Please provide a detailed description of the district's current maintenance practices, its capital repair program, and the maintenance program in place at the facility that is the subject of this SOL. Please include specific examples of capital repair projects undertaken in the past, including any override or debt exclusion votes that were necessary (maximum of 5000 characters).

The Newburyport Public School Facilities Department consists of a Director of Facilities, Head of Maintenance, two Maintenance Technicians, one Groundskeeper and 17 Custodians serving the three buildings in the district. Service contractors are used to supplement the Facilities Department staff typically working under service contracts for regular predictable maintenance needs on equipment such as emergency generators, fire sprinkler systems, fire alarm systems and several others.

The Facilities Department utilizes the School Dude Maintenance Direct CMMS for all routine maintenance requests. Faculty and Staff are asked to submit requests for any maintenance or custodial needs through School Dude. The requests are routed to the Director of Facilities and Head of Maintenance, and then assigned to appropriate personnel for completion. The Technicians and Custodians mark the work requests complete, and they are then reviewed by the Director of Facilities before being closed.

Preventive maintenance is also scheduled through School Dude, utilizing the PM Direct program. Schedules are developed and maintained for equipment needing regular service. The program then creates a work request when maintenance comes due, and it gets assigned to the appropriate Technician or service contractor. Completion and close-out follows the same procedure as above.

The Newburyport Public Schools, working with the City of Newburyport, updates a 5-year Capital Improvement Plan annually. This plan lists capital needs for all facilities across the district. The CIP is presented by the Director of Facilities to, and approved by the School Committee before being sent to the Mayor and City Council for prioritization with other capital needs across the city. Funding is appropriated as available.

This process has led to a number of projects at the schools, most notably construction of the new Bresnahan School, renovation of the Nock-Molin School and renovation of the War Memorial Stadium at Newburyport High School. Other projects at Newburyport High School that have gone through this process and found funding from various sources include the ongoing Exterior Woodwork Restoration Project, sound and lighting upgrades in the Auditorium, replacement of the fire alarm panel, security upgrades and exterior masonry work to prevent water infiltration which was causing a serious problem with efflorescence.

Priority 5

Question 1: Please provide a detailed description of the issues surrounding the school facility systems (e.g., roof, windows, boilers, HVAC system, and/or electrical service and distribution system) that you are indicating require repair or replacement. Please describe all deficiencies to all systems in sufficient detail to explain the problem.

The roof sections that are included in this SOI are on the Building A section of Newburyport High School. This is the original portion of the building that was constructed in 1937. The current roofing was installed in 1995, just prior to the major renovation that was undertaken on the high school between 1999 and 2002. We identify these roofs as Pitched Roof, East Classrooms, West Classrooms, Auditorium and Library.

As one of the highest structures in Newburyport, and within close proximity to the ocean, the Pitched Roof section on the high school is often subjected to very strong winds. It is not uncommon for pieces of shingle to be found on the lower roofs and the grounds surrounding the building. Additionally, this section of roof is penetrated by two large air intake and exhaust ducts in the back center of the roof, and other ductwork out of the east and west ends. These areas have been frequently problematic as can be seen by the stained ceiling areas in the attic. The cupola also projects from this roof section, but recent work on the cupola has resolved problems associated with that.

As a part of the renovation and addition project several pieces of mechanical equipment, as well as some skylights were removed from the flat roof sections of Building A. Additionally, other mechanical equipment was installed, and the increase in foot traffic, equipment and materials on these roofs during the construction project caused additional wear and tear, and numerous issues. This has resulted in a patch-worked roof with many potential infiltration points.

As the roof has continued to age, many of shoe patches have begun to detach. Water has found its way under the membrane taking its toll on the insulation and causing it to compact in areas, interrupting the drain channels that were initially built into the roof when it was installed. Ponding can now be seen in many areas with the water unable to reach the drains.

Water has made its way into classrooms and hallways (most recently in the area of Room 340) on the third floor, but has also found its way through wall cavities and come out on the first floor near the Student Support offices. Water stains and falling plaster indicate leaks in the auditorium and on the stage. Intermittent leaking occurs around the skylights in the library.

Priority 5

Question 2: Please describe the measures the district has already taken to mitigate the problem/issues described in Question 1 above.

Patching each of these roof sections has been an ongoing task since the completion of the renovation and addition project in 2002. This has been done by both in-house staff and roofing contractors including CJ Phoenix, Hurley Roofing and Garland.

In 2011 Gale Associates assisted with a project to repair leaks around the ductwork on the east and west ends of the pitched roof.

As part of the Exterior Woodwork Project-Phase 3, the cupola was restored which solved several water infiltration issues on and around the cupola.

Hurley Roofing spent two full days patching and repairing areas of the four flat roof section in 2016 that are included in this SOI, and they are called back periodically as new leaks appear.

The Newburyport City Council approved \$20,000 to be used for high school roof repairs in November of 2017. Much of this funding has been utilized.

The Director of Facilities conducts roof inspections on a regular basis. The most recent inspection was conducted on September 26, 2019.

Priority 5

Question 3: Please provide a detailed explanation of the impact of the problem/issues described in Question 1 above on your district's educational program. Please include specific examples of how the problem prevents the district from delivering the educational program it is required to deliver and how students and/or teachers are directly affected by the problem identified.

Leaks sometimes cause the need for teachers to find another space in which to conduct their class, or choose to arrange students around barrels and buckets that are catching water from an active leak. If a class is moved to another space the teacher may not have all of the resources and teaching aids that they would normally work with in their home classroom, thus diminishing the quality of the lesson on that particular day.

Additionally, poor air quality is always a concern when building components become damp from an active leak. If the leak has gone on unnoticed for a period of time before the water actually makes it into a classroom, there could be concerns with mold growth on certain building materials, and it becomes imperative to dry them out as quickly as possible.

Leaks can and have caused damage to teaching materials and other items in classrooms. This causes the need for the teacher to reproduce or replace these items, taking time away from other tasks more directly associated with teaching.

Priority 5

Question 4: Please describe how addressing the school facility systems you identified in Question 1 above will extend the useful life of the facility that is the subject of this SOI and how it will improve your district's educational program.

A new roof will provide protection for these sections of Newburyport High School for the next 25 to 30 years. This in turn will free up both manpower and financial resources that are now being used on roof related issues, to be allocated to other issues throughout the facility. A new roof would also likely provide an improved R-value for the roof, saving on energy costs.

Please also provide the following:

Have the systems identified above been examined by an engineer or other trained building professional?:

NO

If "YES", please provide the name of the individual and his/her professional affiliation (maximum of 250 characters):

Steve Bergholm, Director of Facilities

Newburyport Public Schools

The date of the inspection:

A summary of the findings (maximum of 5000 characters):

PITCHED ROOF

-some missing/broken asphalt shingles

-water stains around duct penetrations

EAST CLASSROOMS

-standing water cannot reach drains

-loose flashing and exposed edge of membrane

-soft spots noticed in insulation beneath membrane

-small gouge noted

WEST CLASSROOMS

-standing water

-soft spots noted in insulation beneath membrane

-roof fastener poking up beneath membrane

LIBRARY

- minor ponding
- soft spots in insulation noticed beneath membrane
- some patched failing
- missing mortar above windows in rising walls

AUDITORIUM

- minor ponding noted
- soft spots in insulation beneath membrane
- small gouge noted
- failing mortar in wall rising above roof section