Name of School	Nauset Regional High

Massachusetts School Building Authority

School District Nauset

District Contact James Nowack TEL: (508) 255-8800

Name of School Nauset Regional High

Submission Date 3/29/2016

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 sign the required certifications and submit one signed original hard copy of the SOI to the MSBA, with all 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 hard copy 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 and certification signatures in a format acceptable to the MSBA. If Priority 1 is selected, your Statement of Interest 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.

Chief Executive Officer *	**School Committee Chair**	**Superintendent of Schools**
Thomas M. Conrad	John OReilly	Thomas M. Conrad
Superintendent of Schools		
Thos M. Conrad		Thos M. Conrad
(signature)	(signature)	(signature)
Date 3-31-16	Date 3-31-16	Date 3-31-16

* Local chief executive officer: In a city or town with a manager form of government, the manager of the municipality; in other cities, the mayor; and in other towns, the board of selectmen unless, in a city or town, some other municipal office is designated to the chief executive office under the provisions of a local charter. Please note, in districts where the Superintendent is also the Local Chief Executive Officer, it is required for the same person to sign the Statement of Interest Certifications twice. Please do not leave any signature lines blank.

Massachusetts School Building Authority

School District Nauset

District Contact James Nowack TEL: (508) 255-8800

Name of School Nauset Regional High

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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.

Potential Project Scope: Renovation/ Addition

Is this SOI the District Priority SOI? YES

School name of the District Priority SOI: 2016 Nauset Regional High

Is this part of a larger facilities plan? YES

If "YES", please provide the following:

Facilities Plan Date: 10/12/2012

Planning Firm: Habeeb & Associates Architects, Inc.

Please provide an overview of the plan including as much detail as necessary to describe the plan, its goals and how the school facility that is the subject of this SOI fits into that plan:

In order to assess the physical needs of the District school buildings, the Nauset Regional School District commissioned a Capital Asset Assessment that was performed by Habeeb & Associates Architects, Inc. (HAAI). HAAI's report was presented to the School Committee on October 2012. This assessment broke down the individual projects into a timeline for completion and estimated budget costs over the next 10 years. The report also assigned each project into one of three classes: Class 1 Projects recommended for the continued operation of the building and to protect the assets. These projects included repair and replacement of failed building systems and items which may pose a risk of life safety issues which could ultimately cause injury to the occupants. Class 2 Projects recommended to extend the life of the building systems or bring systems up to current standards. Class 3 Projects recommended to improve the general appearance of the facilities. The assessment was then used by the Capital Asset Subcommittee to develop the District's 5 year capital plan. (See Attachment A)

Please provide the current student to teacher ratios at the school facility that is the subject of this SOI: 12 students per teacher

Please provide the originally planned student to teacher ratios at the school facility that is the subject of this SOI: 12 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.

NAUSET ADMINISTRATIVE TEAM Dr. Richard Hoffmann, Superintendent Dr. Bonny Gifford, Assistant Superintendent Dr. Ann Caretti, Director of Student Services Giovanna Venditti, Director of Finance & Operations Barbara Lavoine, Director of Technology PRINCIPALS: Thomas Conrad, High School Dr. Maxine Minkoff, Middle School ELEMENTARY PRINCIPALS: Denise Fronius, Stony Brook School Keith Gauley, Eddy School Scotti Finnegan, Eastham Mary Beth Rodman, Wellfleet All 5 SCHOOL COMMITTEES August 2012

Is there overcrowding at the school facility? YES

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

There is currently overcrowding within the Nauset High School facility buildings. The buildings date to 1972 and 1995 respectively and teaching methods and styles have changed dramatically since then. Modern teaching methods require more than four mortar walls and a chalkboard. The buildings are not conducive to twenty-first century teaching and learning. Classrooms are currently utilized one hundred percent of available time. There are several traveling teachers (no assigned room) that move around the school and use other teacher's assigned classrooms when not in use. This poses an enormous inconvenience to the teaching staff since staff is not in a permanent classroom during the course of the school day. Teachers must carry all their instructional materials and their technology equipment with them at all times. This is an inefficient, use of professional staff time. Staff time should be spent on educating our students and not moving throughout the campus grounds. The District has converted 7 student locker areas into small instructional classrooms. All classrooms are occupied and space is nonexistent. The District is utilizing every available space possible within Town legal constraints. Four temporary classrooms were condemned and removed 5 years ago and have not been replaced.

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.

None

Please provide a detailed description of your most recent budget approval process including a description of any budget reductions and the impact of those reductions on the district's school facilities, class sizes, and educational program.

Budget Development Process Sept/Oct Principal works with the Director of Finance and Operations to review enrollment, program and service needs of students and seeks input from staff & School Council. Oct - School Committee discusses budget format & timeline. Oct - Principal submits DRAFT budget to Superintendent. Nov/Feb - School Committee reviews line item budgets at SC meetings. Feb 11, 2016 School Committee holds Public Hearing & discusses any changes needed to the budget expenses or revenues. Feb/Mar - School Committee votes to certify FY17 Budget. Mar - Superintendent submits certified budget to Member Towns.

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).

The original Nauset campus was built in 1972 and consists of 6 buildings. In 1995 a 7th building was added which included a major renovation replacing all original building roofs, upgrading the electrical distribution panels, and rearranging the existing building spaces to create more classrooms. In the summer of 2012 all roofs and windows were replaced in all campus buildings.

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

178058

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).

Current site is comprised of 7 buildings which are situated on 72 acres of land in the Town of Eastham. There are no known conditions which exist that would impact potential projects at this site. The Town of Eastham will be sharing the site to supply drinking water to the Town. The main water line starts at the back of the property and runs under our driveway to Cable Road. The Town will be constructing a 400 sq ft concrete building that will house pumping equipment and generator for Town water.

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)

100 Cable Road Eastham, MA 02651

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).

The building envelope is structural reinforced concrete for the 1972 campus buildings and structural steel framing for the 1995 addition. All campus buildings have decorative vertical cedar board siding that needs replacing.

Has there been a Major Repair or Replacement of the EXTERIOR WALLS? NO
Year of Last Major Repair or Replacement:(YYYY) 1972
Description of Last Major Repair or Replacement:
The exterior walls have not been repaired since the original construction in 1972.

Roof Section A
Is the District seeking replacement of the Roof Section? NO
Area of Section (square feet) 111100
Type of ROOF (e.g., PVC, EPDM, Shingle, Slate, Tar & Gravel, Other (please describe)
PVC
Age of Section (number of years since the Roof was installed or replaced) 3
Description of repairs, if applicable, in the last three years. Include year of repair:
Replaced entire roof in 2012.

Window Section A

Is the District seeking replacement of the Windows Section? NO
Windows in Section (count) 654
Type of WINDOWS (e.g., Single Pane, Double Pane, Other (please describe))
Type C rated impact aluminum with thermally broken frames in combination of fixed and open-out projection units with insulated metal faced panels and laminated glass.
Age of Section (number of years since the Windows were installed or replaced) 3
Description of repairs, if applicable, in the last three years. Include year of repair:
Replaced all windows in 2012.

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).

The electrical panels were updated in the 1995 addition and renovation; however, additional outlets are still needed. Interior lighting is fluorescent with T-8 lamps should be updated. Exterior lighting needs to be updated and expanded. The fire alarm system is old and needs updating. The public address sound system and Clock Program System are functioning but dated and in need of replacement. Theatrical lighting and sound systems are inadequate and should be replaced. Security cameras are not functional and the system is inoperable and in need of replacement. The hot water heater and surrounding plumbing is old, inefficient, and should be replaced. Bathrooms are original to the building and need refurbishing. Only half the showers are functional and the plumbing fixtures have calcified. There are two original sewage ejector pumps one is non working the other is antiquated, and both should be replaced. Heating pipes in the utility tunnels are original and need replacement. Thermostats in classrooms are failing; pneumatic valves are also failing, and many heating units are inoperable. Upgrading of HVAC DDC controls need to be replaced as well as the exhaust fans.

Boiler Section 1
Is the District seeking replacement of the Boiler? YES
Is there more than one boiler room in the School? NO
What percentage of the School is heated by the Boiler? 100
Type of heating fuel (e.g., Heating Oil, Natural Gas, Propane, Other)
Converted to natural gas in 2006.
Age of Boiler (number of years since the Boiler was installed or replaced) 44
Description of repairs, if applicable, in the last three years. Include year of repair:
New controls were installed in 2011.

Boiler Section 2
Is the District seeking replacement of the Boiler? YES
Is there more than one boiler room in the School? NO
What percentage of the School is heated by the Boiler? 100
Type of heating fuel (e.g., Heating Oil, Natural Gas, Propane, Other)
Converted to natural gas in 2006.
Age of Boiler (number of years since the Boiler was installed or replaced) 44
Description of repairs, if applicable, in the last three years. Include year of repair:
New controllers were installed in 2011

Has there been a Major Repair or Replacement of the HVAC SYSTEM? YES
Year of Last Major Repair or Replacement:(YYYY) 1995
Description of Last Major Repair or Replacement:
In the 1995 renovation we replaced 38 roof exhaust fans, refurbished 26 cabinet heaters, 15 H&V units, 53 UV units 53 Controls, and CR's exhausters.

Has there been a Major Repair or Replacement of the ELECTRICAL SERVICES AND DISTRIBUTION SYSTEM? YES
Year of Last Major Repair or Replacement:(YYYY) 1995

Description of Last Major Repair or Replacement:
Installation of new panels, new transformers, and replacement of some wiring and the addition of some outlets. Updated the fire alarm, security, clock and intercom systems. New cabling and communication systems - fiber optics & twisted pair. Renovations to the emergency generator.

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).

The floors, stairs, walls, and ceilings of the original 6 buildings constructed in 1972 are concrete. The concrete floor surfaces and stairs are showing excessive wear and in dire need of repair and repainting. Ceilings and walls throughout the structures are in need of repair and painting. The gym hardwood floor is in need of refurbishing and the synthetic gym flooring is showing signs of wear and is in need of replacement. The carpeted areas throughout the campus have been replaced; however, other areas still need replacement. These original 6 buildings do not meet current MAAB compliance for the following: stair railings, doors, restrooms, class sinks, and ramps. The auditorium is too small for the current enrollment and has poor acoustical, lighting, accessibility issues, and inoperable partitions which are in disrepair. The cafeteria kitchen is in need of electrical updating, a more efficient design and replacement of antiquated equipment. In the 1995 addition, hallway flooring and stair treads are warn and cracked, posing a life safety issue to staff and students and need to be replaced. The internal fire doors stick and do not close easily. The exterior doors to the courtyard also stick and do not close easily in the 1995 addition. There is a major lack of storage space for any department throughout the campus. New greenhouse needed to replace old no longer existing greenhouse.

PROGRAMS and OPERATIONS: Please provide a detailed description of the current programs offered and grades served, and indicate whether there are program components that cannot be offered due to facility constraints, operational constraints, etc. (maximum of 5000 characters).

The Nauset Regional HS currently serves grades 9-12 and offers the following programs:
Mathematics - Advanced Algebra, Advanced Algebra 2, Geometry, Pre-Calculus, College Prep, Algebra, Integrated Math, Statistics, Probability and Statistics, Calculus, all offered in various levels A, B, Honors, and AP.
Science - Intro to Physics, Biology, Anatomy & Physiology, Environmental Science, Freshwater Ecosystems, Saltwater Ecosystems, Chemistry, Physics, Robotics, Forensic Science, Oceanography, Botany, Cape Cod Science History, all offered at various levels A, B, Honors, and AP.
English - English 9, 10,11, Senior AP English, Film & Literature, Reading, Creative Writing, Home & Away, Junior AP English, Senior Honors English-British Lit, Journalism, Junior Honors English, Sophomore Honors, Animals and Literature.
Social Studies - American Politics, Western Civilization II, AP Economics, AP US History, Cultural Anthropology, AP Art History, Western Civilization Honors, Western Civilization, US History, AP Psychology, AP Government and Politics, Civics and Government Honors, Western Civilization I, Humanities.
World Language - English as a Second Language, French I, II, III, IV, German I, II, III, IV, Facing History & Ourselves, French IV Honors, AP French, Spanish I, II, III, American Sign Language I, II, III, honors, Latin I, II, III, Mandarin Chinese.
Business and Technology - Criminology, Intro to Business, Intro to Law, Personal Finance, Web Design, Advanced Video Production, Editing, Intro to Video Production, Intro to C++, Intro to Java, Java Part A, AP Computer Science.
Fine and Applied Arts - Band, Honors Band, Beginning Guitar, Jazz Ensemble, Honors Jazz, Music Technology, Orchestra, Honors Orchestra, Beginning Piano, Concert Chorus, Honors Chorus, Music Live!, Music Theory, Trebel Chorus, Drawing I, II, Painting I, II, Photography I, II, Studio Art, Culinary Arts I, Exploring Differences I, II, World Cultures II, Art Metal I, II, Jewelry I, II, Acoustic Guitar Building, Electric Guitar Building, Intro to Wood, Wood II, Intro to Computerized Manufacturing, Clay I, II, Sculpture, Wheel Throwing, Child Psychology, Fashion Design I, II, advanced, Graphic Design, Yearbook, AP Art History, Art Enrichment, Art Therapy, Portfolio Art, Printmaking, Studio Art II. Culinary I, II, Pastry and Baking.
Dramatic Arts - Drama I, Drama Production, Honors Acting, Shakespeare.
Special Needs - Life Skills Current Events, Reading, Western Civilization,English Literacy, English Wilson Reading, Study Skills, Literacy Support, Freshman & Sophomore English, English Inclusion, Academic Support, Biology, General Science, Social Skills, Intermediate Math I, Adaptive PE, Culture and Arts, Math, Vocabulary Work.

Physical Education - Freshman, Sophomore PE, Wellness, Junior Health, Rackets Clubs and Balls, Fitness Center, Intro to Athletic Training, Advanced Athletic Training, Junior PE, Fitness for Females, Fitness Training.
Access Program - Designed to prevent students from leaving school prior to graduation its goal is to provide students with a program that fits the needs of these students.
School Within a School - emphasizes humanistic, student-centered learning in a creative, supportive atmosphere. SWS focuses on accommodating individual learning styles, within a heterogeneous non-traced grouping. Most courses extend classroom learning to the surrounding community and beyond. A high level of student commitment and initiative is essential.

The District continuously strives to provide students with the best educational programs available within financial boundaries; however, the current facilities are not conducive to twenty-first century teaching and learning. Over the years, space that has been and is currently being utilized for teaching and learning that is not what the original or current intent should be. Current facilities are less than ideal for teaching and learning and in some cases are dangerous to the students and staff. The District has converted 7 student locker bay areas into small instructional classrooms. Classrooms are currently utilized one hundred percent of available time. There are several traveling teachers (no assigned room) that move around the school and use other teachers' assigned classrooms when not in use. All classrooms are occupied and space is nonexistent. The District is utilizing every available space possible within Town legal constraints.
The current campus design cannot adequately provide space designed specifically for programs relating to all sciences, biochemistry, engineering, robotics, CAD and CAD design offerings. Ideally this would encompass dedicated space for 3D printing and computer labs for computer science. This void impacts students' learning horizons. Ultimately, this will impact their ability to compete with other students who have these resources available to them.The current auditorium design does not meet the needs of the students and faculty.

CORE EDUCATIONAL SPACES: Please provide a detailed description of the Core 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).

The following are all general classrooms:
(Math, English, Social Studies, Foreign Language, Special Needs,Business, Computer):
29 @ 800 SF
8 @ 1,000-1,200 SF
2 @ 650 SF
(Science):
8 @ 1,536 SF
1 @ 896 SF
1 @ 1,088 SF
(Shops and Art):
3 @ 2,304 SF
2 @ 1,024 SF
1 @ 1,716 SF
(Other):
3 areas previously used as student locker areas have been converted into small instructional areas @ 320 SF
3 individual instruction rooms @ 120 SF
5 Music practice rooms @ 100 SF
Library is 4900 SF....
Gym - can be separated into 3 areas (A) Locker room & offices 9,408 all in the basement, (B) Wellness Center has strength training and cardiovascular equipment 2,776 SF, (C) Gym has a general exercise area, hardwood floor area, and a rubber floor area totaling 19,440 SF
Cafeteria/Kitchen 7,068 SF
Auditorium 6,216 SF that seats 600

CAPACITY and UTILIZATION: Please provide 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).

The original construction was to house a maximum of 800 students. The addition in 1995 was to accommodate an additional 200 for a maximum of 1,000 students. There is currently overcrowding within the Nauset High School facility buildings. The buildings date to 1972 and 1995 respectively and teaching methods and styles have changed dramatically since then. Modern teaching methods require more than four mortar walls and a chalkboard. The buildings are not conducive to twenty-first century teaching and learning. The District has converted 7 student locker areas into small instructional classrooms that are no more than large alcoves open to the hallway (no doors) unheated and without ventilation. Classrooms are used one hundred percent of available time. There are several itinerant teachers (no assigned room) that move around the campus and use other teachers' assigned classrooms when not in use. This poses an enormous burden on all teachers because there is no professional space on campus so finding private space to meet with parents, students, or other staff is impossible. No space for private phone calls to parents, student extra help, or for students to makeup tests. Teachers generally do their prep/grading in a room while another class is taking place.

The current campus design cannot adequately provide space designed specifically for programs relating to all sciences, biochemistry, engineering, robotics, CAD and CAD design offerings. Ideally this would encompass dedicated space for 3D printing, computer labs for computer science. This void impacts students' learning horizons. Ultimately, this will impact students' ability to compete with other students who have these resources available to them.

The current auditorium design does not meet the needs of the students and faculty. Current design does not allow for more than one class grade in the auditorium at any time due to a limitation in the seating capacity. School wide assemblies for all classes cannot be convened due to seating limitations. In addition, the lack of seating capacity limits larger meetings for parents and staff. The acoustics in the auditorium are poor thus limiting the musical and drama performances of students' musical and drama programs. The stage area is not large enough to house all of our musicians and choral students for major performances. This limitation does not allow for one performance but the need to have several performances on multiple evenings for parents, students, staff and guests. The lighting and control room equipment is antiquated and compromises the quality of the students' performances. Overall, the current auditorium is not conducive to current twenty-first century educational needs. Much more could be accomplished and provided to students with updated buildings and equipment.

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 SOI. 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 District has a detailed list of tasks to be performed on a daily basis for the regular cleaning of our buildings. The maintenance and custodial staff maintain a checklist for scheduled observations or preventative maintenance to be preformed daily, weekly, monthly, quarterly, and annually on all building systems. The District uses outside vendors for maintenance and unscheduled repairs which are outside the purview of the maintenance staff (elevator, and fire protections systems etc.). Any repair and maintenance requests by staff are requested through a computerized work order system. In order to maintain our buildings, annual capital articles are funded by member towns to maintain District buildings. The amount increases each year by 2.5 percent and is $482,237 for fiscal year 2016. Funding supports security, technology infrastructure, replacement of flooring, furniture, paving, painting, trim, doors, lockers, windows, boiler drums, boiler controls, musical instruments, various educational equipment, custodial equipment, renovation of science labs, art rooms, cafeteria, track, and building needs assessments. Larger projects are funded through debt exclusions from member Towns. Recent larger projects include new PVC roof on the Middle School in 2014, and new PVC roof and windows at the High School in 2012. The District maintains a 5+ year capital plan based on the Capital Asset Assessment provided by Habeeb & Associates in 2012 and managed by our Capital Asset Subcommittee.

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 Nauset Regional High School was built 44 years ago with one major addition and renovation in 1995 that added 20 classrooms to the campus.

Boilers - The 2 boilers are the original and are 44 years old. The District commissioned an independent study in 2009. The findings of the commission indicated "the boilers are in good condition and should serve for another 10 years". The boilers are now approaching the end of their useful lives and are in need of replacement.The plumbing around and the 44 year old 4,000 gallon hot water tank heated by the two boilers year round, is inefficient and cost prohibitive and over sized for our needs and should be replaced. The energy wasted to keep 4,000 gallons of water hot especially in the summer (little to no use) needs to be rectified.

Heating System - Pipes throughout the buildings and access tunnels are springing leaks or completely failing and need to be replaced. Entire system is failing. Thermostats, pneumatic valves, and heating units have failed to such a degree that many units are inoperable. Only 1 of 6 are operable in the cafeteria, 2 of 6 in the gym, and 1 of 6 in the library. Most of these units still supply heat but the blower units are no longer functional. Most classrooms in the original buildings are in similar condition.

Electrical - The electrical outlets are very limited in the existing classrooms based on current technology requirements. Additional outlets are required with expansion of current electrical panels. As a result, circuits are blown on a regular basis thus impacting student learning. All current lighting should be updated with "LED" sources for energy savings and reduced maintenance. Lighting in the gym is particularly poor. Exterior lighting in the courtyard, pathways and parking lot is poor or not functional causing security and safety concerns for staff, students, and guests. Please keep in mind that our courtyard is our main corridor. When the Town of Eastham holds it town meeting at the high school their Department of Public Works brings in additional lighting for the safety of their residents. The fire alarm system is old and needs replacing, and obtaining parts is challenging. The public address sound system and clock program are functional but dated and in need of replacement.Theatrical lighting and sound system are in disarray and poorly designed. They should be separated from the projection room, redesigned and replaced. The security cameras are inoperable and in need of redesign and replacement.

Envelope - The decorative vertical cedar board siding is weathered, warping, with dry rot in places and holes from animals nesting in the boards and is in need replacement.

Building Interiors - Concrete floors and stairs are chipped, cracked and crumbling throughout the campus. Some floor finishes, stair treads and paint are cracked, chipped and worn and should be replaced or refinished. The gym hardwood floor is in need of refurbishing. The synthetic floor is well worn and should be replaced. All bathrooms campus wide are original and need to be refurbished and upgraded. Original fixtures are pitted and leak and the ball valves are no longer functional. To perform maintenance on any fixture the water must be turned off to the entire building and drained because most valves have been bypassed. Only half the showers are functional and the fixtures have calcified. The shower rooms must be redesigned in order to meet federal transgender guidelines. There are two sewage ejector pumps in the gym one is non working the other is antiquated and well past its useful life. Both need to be replaced. The winches and cables to raise and lower the basketball hoops are so warn the teachers no longer feel safe using them so the Head of Maintenance must clear the area and perform the task. The cafeteria kitchen needs electrical updating, a more efficient design, and replacement of antiquated or non operational equipment. The concrete courtyard and pathways are in general disrepair. Although technically not interior they are used as the high schools' main corridors for students and staff to pass through for every class change between our 7 buildings. Over the 44 years of use the courtyard has settled and deteriorated from time and use and the elements.This wear and tear of the campus courtyard poses a safety hazards for students, faculty, parents and guests to the campus. These safety hazards are heightened for our wheelchair bound student. The original 6 buildings do not meet current MAAB compliance for railings, doors. restrooms. class sinks, and ramps (both inside and out). There is little to no storage on campus since most storage areas have been converted into learning centers. This puts an added burden on teacher's and custodial staff to organize and manage what little available space there is. There is one 2 bay garage that functions as our custodial storage area for all custodial and grounds equipment, maintenance work area, and break room. Some equipment that should be housed is kept outside under tarp. This leads to inefficiencies in their daily work operations and reduces useful life of needed equipment. This lack of storage limits our ability to take advantage of bulk purchasing.

Site - Parking is limited, new spaces are needed and flow design is a challenge especially between the campus and the athletic fields. The current main parking lot is deteriorating causing some drains to sink. There are insufficient handicap parking spaces and a lack of curb cuts. Ambulance access to the nurses' office is not paved. Fencing, gating, and security cameras are needed to ensure campus safety and security for students, staff and guests. The old greenhouse was destroyed by one of last years winter storms and needs to be replaced.

Priority 5

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

Boilers - Perform regular scheduled maintenance. Boiler controls were added in 2012.
Heating System - Pipes and thermostats require constant repair or replacement. Pneumatic valves are being constantly bypassed in order to maintain heat in classrooms in some cases manually switched on and off to allow heat to another section. Heating units require the constant repair and regular daily maintenance in order to maintain minimal heat to all classrooms. The units are antiquated, replacement parts are getting hard to find. Recently a pipe burst in a walk through hallway and stair case. Emergency repairs entailed capping the pipe leaving no heat in that section for now. Spent $10,000 to replace 1 classroom's heating pipes when it's pipes burst.
Electrical-The current solution is multiple power strips emanating from a single electrical outlet in the classrooms and temporary classrooms. This has caused more circuit breakers to trip. Many of the courtyard lights have been converted to LED lighting. The campus has recently gone wireless with new wireless infrastructure.
Hot Water - Engineering study has been completed with suggested recommendations.There has been some pipe replacement.This is on the 5 year capital plan for replacement in FY18 if nothing deemed more urgent arises.
Envelope - The warped cedar board siding areas are monitored to be sure they are securely attached to the buildings. Student artwork has been strategically placed in order to camouflage the many holes on the siding. New roof, windows and most exterior doors were replaced in 2012.
Building Interiors - Concrete floors and stairs are continuously being patched by maintenance staff.
Some of the major repairs and replacements recently completed are security upgrades (locks), replacement of flooring, furniture, paving, painting, trim, interior doors, replaced lockers and benches, replaced musical instruments, various educational equipment, custodial equipment, renovation of science lab in 2014, addition of auditorium lighting, renovation of cafeteria dining area with new flooring, paint, furniture, and some equipment for kitchen, resurfaced track, upgrading of technology on a continuous basis, replacement of motor on one functioning septic pump, renovated two bathrooms, replace the art room sinks, replaced the kiln, attempting to convert the library into a media center. For the summer of 2016: Scheduled repairs for the courtyard include most trip hazards will be patched, replace two handicap ramps and railings, fix some drainage issues. Address some security issues. Replace one of the septic pumps. A second science lab will be renovated.

Site - Additional parking has been added over the last few years some paved areas and some not. This has been haphazard and insufficient. Regular maintenance (patching & sealing) may not be enough for the original parking lot. Some drainage grates have sunken creating a hazard.

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.

Boilers, Heating System: The failures to the heating system, boilers, units, thermostats, and valves cause needless interruptions to students' learning on a regular basis. Not only are the students' routines interrupted on a regular basis but the teaching staff now must make accommodations at a moment's notice whenever their teaching time is affected. Temperatures are inconsistent from classroom to classroom. These inconsistencies are not conducive to a comfortable learning environment. Some original equipment is failing, posing a challenge to our maintenance staff due to the fact that replacement parts are no longer available. This challenge is forcing our staff to make these parts in house. Even though the maintenance staff is finding alternative ways to making these needed repairs, there are other areas of the campus which their time and attention would be better spent. The District's financial resources and human capital is limited thus impacting student learning. The use of the District's financial resources are better spent on educational materials and supplies and teaching staff needs, than on continuous repairs and maintenance.

Electrical: Limited electrical outlets waste student and teacher time while they organize the limited resources available and leaves some without those resources. When circuit breakers are thrown this disrupts the learning process well beyond the 5 minutes to restore power. There are approximately 1,200 IPads in use by students and staff if there are limited recharging stations that will lead to limited learning opportunities. The external lighting is a safety issue after dark. The campus is buzzing well after sunset, but if students don't feel safe they may not avail themselves of the activities offered that end after dark.

Hot water: Although antiquated and expensive to operate the current system works. But this is an inefficient use of the High School's limited resources. The payback to convert to a more efficient system is estimated to be four years. These resources could be better spent on the educational needs of our students and materials and supplies for our teaching staff.

Envelope: The warping and holey vertical cedar board siding is just unsightly and detracts from the overall learning environment.

Building Interiors: The wear and tear and deterioration of the interior stair and floor surfaces create a tripping hazard which only effects the learning process if a student or teacher trips and misses class before it was patched. Students need to be in a learning environment that is clean, safe and conducive to learning. Concrete courtyard being in disrepair does cause sprained ankles to students and staff that interrupt the learning process. It can also cause wheelchair bound students to be tardy to class because they had to take the long way to class to avoid an impassable section of the courtyard. MAAB compliance is more of a inconvenience, but can cause delays to students and teachers accessing education. Storage area shortage has a negative effect on teacher planning because they have to spend extra time organizing the logistics of storing of supplies, materials, texts or equipment. This lack of storage means an inefficient use of custodial time and energy managing what little space there is and distracting them from keeping our learning environment clean and inviting. No one wants to work or learn in a disorganized messy environment.

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.

By addressing the school facility systems identified in Question 1, the Nauset Regional School District intends to extend the useful life of the facility for an additional 25 years. The District has already addressed the major envelope items with a 30 year roof and new windows in 2012. With the modernization and re-purposing of the current facilities through an addition, refurbishment, and replacement of the infrastructure and site issues, the Nauset Regional School District will be well equipped to educate our future leaders in this rapidly changing world. By making these system upgrades, the Nauset Regional School District intends to minimize its carbon footprint as much as possible through the use of renewable energies inclusive of wind, solar and geothermal. These technologies have become more competitive in recent years in combination with conventional technology. The Nauset School District looks forward to incorporating these technologies into future planning.

Please also provide the following:

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

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

The date of the inspection: 8/15/2012

A summary of the findings (maximum of 5000 characters):
See Attachment B

Priority 7

Question 1: Please provide a detailed description of the programs not currently available due to facility constraints, the state or local requirement for such programs, and the facility limitations precluding the programs from being offered.

The District continuously strives to provide students with the best educational programs available within the financial boundaries; however, the current facilities are not conducive to twenty-first century teaching and learning. Over the years, space that has been and is currently being utilized for teaching and learning is not what the original or current intent should be. Current facilities are less than ideal for teaching and learning and in some cases are potentially dangerous to the students and staff. In some instances, hall ways have been converted to small instructional areas. The District is utilizing every available space possible within Town legal requirements.

Programs not offered:

International Baccalaureate Program

Without expansion of the facility the following programs cannot be offered:

Machine & Engine Repair

Coastal Studies

Student Led Computer/Tablet Repair Center

Foreign Language Lab

Programs offered in untenable conditions:

Science: In general the science labs are original to the campus and in dire need of renovation or replacement. Physics -Many activities work best with a hands on approach which requires a larger space than what we currently have. Biotechnology - Currently run out of a small multi-used classroom making it difficult to maintain long-term projects. Engineering/Robotics - Limited space does not allow for projects to be tested, displayed. and presented on a broad scale, Astronomy - No observatory.

Technology/Media Center: CAD Design / C&C Machinery, 3D Printing Program These programs and others have been shoehorned in wherever space could be found severely limiting the depth of programs offered.

Special Needs: SN Classrooms, OT, PT, School to Work, & Testing these programs are compromised by the limited space available or the space currently being housed in.

Performing Arts: Chorus, Honors Chorus, Treble Chorus, Band, Orchestra, Jazz Band, Drama -The current auditorium does not meet the needs of the students and faculty. School wide assemblies cannot be convened due to limited seating capacity. This lack of seating limits larger meetings for parents, staff and performances and presentations. The acoustics are poor, the lighting and control room equipment is antiquated and compromises the quality of students' performances. The stage area is not large enough to house all musicians and choral students for major performances. New curtains and fly weight system is needed, and the partitions have not worked in 15 years. Simultaneous programs are taught in the same space due to the space limitations.

Fine and Applied Arts: Metal, Jewelry, Woodworking, Guitar Building, Welding, Culinary, Painting, Pottery, Fashion Design, Photography, Drawing, Yearbook - With more space and better workflow the curriculum could be more dynamic where students would have less down time in between learning how to master techniques.

Physical Ed: Simultaneous classes are taught by multiple teachers in the same space. The Athletic Trainer Facility is too small to accommodate the current number of athletes requiring attention.

Testing Center: Given the multitude of tests required during a school year, dedicated space should be made available to accommodate students.

Priority 7

Question 2: Please describe the measures the district has taken or is planning to take in the immediate future to mitigate the problem(s) described above.

Programs not offered:

International Baccalaureate Program - The process of earning this recognition is well underway, however space requirements have yet to be addresses.
Coastal Studies - Must renovate current space or expand to offer this program.
Machine & Engine Repair - Must expand facility in order to offer this program.
Student Led Computer/Tablet Repair Center - Must renovate and expand before this program can be offered.
Foreign Language Lab - Additional or re-purposed space is needed.

Programs offered in untenable conditions:

Science:

In general science lab space is used continuously no matter its condition.
Physics - Space in which to have ongoing projects such as "strandebeest" gives first-hand experience in seeing how things work. In order to further develop these types of projects, a larger working space is needed.
Biotechnology - Due to the demand for this science, particularly in the State of Massachusetts, this program needs all the support, space, and equipment possible.
Engineering/Robotics - Successful program, working with the limited space allowed.
Astronomy - With no observatory, weather limits the program to early fall and late spring for outside star gazing.

Technology/Media Center:

Media Center - The old library is currently being used as a media center, but a complete redesign is needed.
CAD Design/C&C Machinery - Currently programs such as an in-depth design program using C&C Machinery is at the most minimal level, and can only involve a small component of any of our programs within science or applied arts.
3D Printing - Is happening at an extremely small scale and needs to be connected with the CAD program, however space constraints make this difficult if not impossible.
Special Needs Services - Whatever space is available is used including hallways. Cubicles have been erected with desks and chairs to house the School to Work program within the OT/PT space. In the future a new Special Needs center needs to be constructed or current space needs to be redesigned to allow for proper delivery of services to our special needs students.
Performing Arts - Currently simultaneous programs must be taught in the same space to accommodate student demand. Must have multiple seatings for same performance, guest speaker, or assembly. In the future a new performing arts center needs to be constructed and sized appropriately, with noise proof practice rooms of varying sizes for instruction and sufficient storage.
Fine and Applied Arts - The layout of the studios continue to evolved as the programs have grown. The former instructor offices act as a storage room for valuable materials as well as student work. The Jewelry Studio is located in what used to be the Automotive Shop. The former auto body paint room serves as an overflow work area when the main space is too crowded. All available spaces have been redesigned to accommodate as many students as possible including outside spaces. This is not enough space and this entire area needs to be evaluated, redesigned and additions made. Culinary is in a converted second floor classroom with residential stoves and other equipment. This program would benefit from being in a more accessible area near our cafeteria to present and market the products created. All Fine and Applied Art shops operate in similar areas.

All the above mentioned "Programs offered in untenable conditions" plus the Library and Cafeteria suffer from the same affliction. These spaces were designed for a smaller enrollment and educational needs of the 1970's. In 1995 an addition was built to help accommodate our increased enrollment. This addition added 20 academic classrooms (standard cookie cutter rectangular spaces to hold up to 25 desks and chairs). This renovation did nothing to alleviate the fact that the original campus was still undersized for the programs offered and designed for a 1970's education.
Physical Education - Separate rooms for quiet instruction such as Health, Wellness, YOGA, and Dance are necessary. Athletic Training Facility currently overflow into the Wellness Center but increased space is needed.
Testing Center - Currently any available space is used. In the future additional space should be designed for this purpose.

Priority 7

Question 3: Please provide a detailed explanation of the impact of the problem described in this priority 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.

Programs not offered:

International Baccalaureate Program, Coastal Studies, Machine & Engine Repair, Student Led Computer/Tablet Repair Center, Foreign Language Lab.

For all of these programs there simply is no space available without an addition or replacing current programs offered.

Programs offered in untenable conditions:

Science:

Physics - In order to further develop the curriculum, a larger working space is needed.

Biotechnology - There is a high level of interest and enthusiasm for this program, however the constraints of space create a situation in which there are limitations with how developed this course could become.

Engineering/Robotics - The space limitations and with no secured storage, age thus limits the educational programs we can offer students. Lack of space does not allow projects to be tested, displayed and presented on a broad scale.

Astronomy - An observatory and the science behind its workings are an intricate part of any astronomy program, this has a direct impact on student learning.

Technology/Media Center:

Media Center - Re-purposing of the current library to reflect the change in the role of the library to a student technology help center, teacher technology help center, an online student center, student union testing center, and faculty room. Creating a central hub will bring the student body and faculty much closer.

CAD Design/C&C Machinery - Teachers are limited in the types of projects that can be undertaken which leads to students having limited exposure to applications beyond the classroom.

3D Printing - Without the ability to connect to other applications student learning will be limited.

Special Needs Services - These students in particular need an appropriately sized, comfortable, quiet space for instruction, special services, and testing areas to minimize distraction and maximize learning.

Performing Arts - With all this sharing of space and competing instructions students are distracted and not focused thus losing valuable learning time.

Physical Education - Quiet instruction is not effective in a wide open space with other activities. Students and Athletes must wait or decide not to receive services.

Testing Center - This is a constant on going challenge for both teachers and students organizing the various tests that need to be given and the lack of space available in which to do so.

REQUIRED FORM OF VOTE TO SUBMIT AN SOI

REQUIRED VOTES

If the SOI is being submitted by a City or Town, a vote in the following form is required from both the City Council/Board of Aldermen **OR** the Board of Selectmen/equivalent governing body **AND** the School Committee.

If the SOI is being submitted by a regional school district, a vote in the following form is required from the Regional School Committee only. FORM OF VOTE Please use the text below to prepare your City's, Town's or District's required vote(s).

FORM OF VOTE

Please use the text below to prepare your City's, Town's or District's required vote(s).

Resolved: Having convened in an open meeting on _____, prior to the closing date, the _____ *[City Council/Board of Aldermen, Board of Selectmen/Equivalent Governing Body/School Committee]* of _____ *[City/Town]*, 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 _____ for the _____ *[Name of School]* located at _____ *[Address]* which describes and explains the following deficiencies and the priority category(s) for which an application may be submitted to the Massachusetts School Building Authority in the future

_____

_____

_____

_____

_____

_____ *[Insert a description of the priority(s) checked off on the Statement of Interest Form and a brief description of the deficiency described therein for each priority]:* 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/Town/Regional School District to filing an application for funding with the Massachusetts School Building Authority.

Name of School	Nauset Regional High

CERTIFICATIONS

The undersigned hereby certifies that, to the best of his/her knowledge, information and belief, the statements and information contained in this statement of Interest and attached hereto are true and accurate and that this Statement of Interest has been prepared under the direction of the district school committee and the undersigned is duly authorized to submit this Statement of Interest to the Massachusetts School Building Authority. The undersigned also hereby acknowledges and agrees to provide the Massachusetts School Building Authority, upon request by the Authority, any additional information relating to this Statement of Interest that may be required by the Authority.

Chief Executive Officer *	**School Committee Chair**	**Superintendent of Schools**
Thomas M. Conrad	John OReilly	Thomas M. Conrad
Superintendent of Schools		
Thomas M. Conrad		Thomas M. Conrad
(signature)	(signature)	(signature)
Date 3-31-16	Date 3-31-16	Date 3-31-16

* Local Chief Executive Officer: In a city or town with a manager form of government, the manager of the municipality; in other cities, the mayor; and in other towns, the board of selectmen unless, in a city or town, some other municipal office is designated to the chief executive office under the provisions of a local charter. Please note, in districts where the Superintendent is also the Local Chief Executive Officer, it is required for the same person to sign the Statement of Interest Certifications twice. Please do not leave any signature lines blank.

Massachusetts School Building Authority

School District Nauset

District Contact James Nowack

TEL (508) 255-8800

Submission Date 3/10/2016

Closed Schools Information

Closed Schools

Question 1: Has the district sold, closed, or otherwise removed from service a school in the last 10 years?

No

Question 2: Does the district have any plans to sell, close, or otherwise remove from service a school in the next 10 years?

No

Name of District	Nauset

CERTIFICATIONS

The undersigned hereby certifies that, to the best of his/her knowledge, information and belief, the statements and information contained in this Closed Schools formation are true and accurate and that this Closed Schools Information has been prepared under the direction of the district school committee and the undersigned is duly authorized to submit this Closed Schools Information to the Massachusetts School Building Authority. The undersigned also hereby acknowledges and agrees to provide the Massachusetts School Building Authority, upon request by the Authority, any additional information relating to this Closed Schools Information that may be required by the Authority.

Chief Executive Officer *	**School Committee Chair**	**Superintendent of Schools**
Thomas M. Conrad	John OReilly	Thomas M. Conrad
Superintendent of Schools		
Th Conrad		Th Conrad
(signature)	(signature)	(signature)
Date 3-24-16	Date 3-24-16	Date 3/24/16

* Local Chief Executive Officer: In a city or town with a manager form of government, the manager of the municipality; in other cities, the mayor; and in other towns, the board of selectmen unless, in a city or town, some other municipal office is designated to the chief executive office under the provisions of a local charter. Please note, in districts where the Superintendent is also the Local Chief Executive Officer, it is required for the same person to sign the Statement of Interest Certifications twice. Please do not leave any signature lines blank.