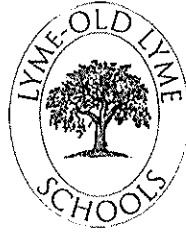


LYME-OLD LYME SCHOOLS

Regional School District #18

A Private School Experience



in a Public School Setting

Regular Board of Education Meeting

June 3, 2020

Board Present: Diane Linderman, Chairwoman; Martha Shoemaker, Vice Chair; Jean Wilczynski, Treasurer; Steven Wilson, Secretary; Rick Goulding, Stacey Leonardo; Jennifer Miller; Mary Powell St. Louis; Suzanne Thompson

Administration Present: Ian Neviaser, Superintendent of Schools; Mark Ambruso, Principal of Lyme-Old Lyme Middle School; James Cavalieri, Principal of Lyme Consolidated School; Michelle Dean, Director of Curriculum; Melissa Dougherty, Director of Special Services; Kelly Enoch, Principal of Mile Creek School; Holly McCalla, Business Manager; Jeanne Manfredi, Assistant Principal of Lyme-Old Lyme High School; Ron Turner, Director of Facilities & Technology; Noah Ventola, Assistant Principal of Lyme-Old Lyme Middle School; James Wygonik, Principal of Lyme-Old Lyme High School

Others Present: Isabella Hine, High School Student Representative; Retiring Teachers: Myra Gipstein, John McGannon, Connie Price, Pam Russell, Nancy Sparaco and Wendy Zito; CABA Students Leadership Award Recipients: from LOLMS: Delany Nelson and Justin Green and from LOLHS: Emily Balocca and Raymond Doll; 55 Community Members from Lyme-Old Lyme

I. Call to Order

The meeting was called to order at 6:32 p.m. by Chairwoman Linderman. The Pledge of Allegiance was recited.

II. Approval of Minutes

MOTION: Dr. Powell St. Louis made a motion, which was seconded by Mrs. Miller, to approve the minutes of Regular Meeting and Executive Session of May 6, 2020.

VOTE: the motion passed unanimously.

49 Lyme Street, Old Lyme, Connecticut 06371

T: 860-434-7238 F: 860-434-9959 E: neviaseri@region18.org www.region18.org

III. Visitors

1. CABA Student Leadership Awards

Mr. Neviaser reported that each year CABA invites its member Boards to recognize outstanding student leaders at the middle and high school levels. The principals of each school are asked to facilitate the selection of the students based on a given set of criteria. James Wygonik, Principal of Lyme-Old Lyme High School, and Mark Ambruso, Principal of Lyme-Old Lyme Middle School, presented the CABA Student Leadership Awards to the following students and spoke to the many accomplishments of these students:

From Lyme-Old Lyme Middle School: Delaney Nelson and Justin Green

From Lyme-Old Lyme High School: Emily Balocca and Raymond Doll

2. Recognition of Retirees

The following staff members, who are retiring in June, were in attendance at the virtual meeting and recognized by the Board for their years of service to the district:

Nancy Sparaco, 3rd Grade Teacher at Mile Creek School - 35 years

Connie Price, 2nd Grade Teacher at Lyme Consolidated School - 34 years

Pam Russell, World Language Teacher at LOLMS - 30 years

Myra Gipstein, School Psychologist at Center School - 20 years

Wendy Zito, 1st Grade Teacher at Mile Creek School - 23 years

John McGannon, World Language Teacher at LOLHS - 17 years

The teachers' respective principals spoke about their various accomplishments and dedication to the district over their years of service. All of the retirees spoke positively regarding their tenure while teaching at Lyme-Old Lyme.

3. Report from Student Representatives

Isabella Hine reported on the following activities taking place at the schools:

At LOLHS: Eighth Grade Orientation has taken a different turn this year. Eighth grade homerooms have been meeting on Tuesdays to review the four-part video series that Ms. Manfredi has created. Each episode focuses on a different aspect of the orientation such as: introduction to the main office and school counseling staff; a virtual tour of the building; how to get involved; a virtual club fair; a review of the schedule, etc. On June 9, there will be a virtual high school student panel where students will be able to ask their questions to a high school student and on June 15, the Class of 2024 will meet with their high school homeroom teacher for the first time for a brief meet and greet. There were three successful all school social events during the month of May, which included two virtual scavenger hunts and two trivia nights. Those who attended had lots of fun and some good laughs. On May 28, a virtual underclassmen awards ceremony was held. It was very well attended and wonderful to see so many students and families in one place. The senior awards ceremony will take place on June 4. Senior graduation signs were delivered to all senior houses last week by a team of teachers. We know that put a lot of smiles on graduate faces. Graduation is all set for June 12. The all-day event will begin at 10:00 a.m. Each graduate

will have an opportunity to come on campus and walk across the graduation stage while receiving their diploma.

At LOLMS: The middle school students and faculty are finishing the final lap of distance learning strongly. All three grades are examining the effects of the Covid-19 Pandemic. This is a living history project that includes an interview, a reflective journal, and identifying visual primary sources. This work is aimed at helping students better understand and reflect on the pandemic. The middle school is very proud of the students, families and staff as they have adapted well to the current situation, and despite the challenges the situation has presented, all have risen to the call. The middle school plans to collect Chromebooks and materials on June 16, and we will be celebrating the 8th grade promotion on June 18 with a pre-recorded release of a virtual promotion ceremony.

At Lyme Consolidated School: Lyme School morning announcements have been ongoing the past eight weeks. A special thanks was extended to the 4th and 5th grade student commentators and to Mrs. Dewey, media specialist, for putting this together each week. Mrs. Ambruso, physical education teacher, was able to have the students participate in the "Kids Marathon." Forty-eight students finished the 26.2 miles. On June 5, Lyme School and the Lyme Academy of Fine Arts will be presenting "Art is Elementary," an online exhibit by the talented artists of Lyme School. June 5 will also be a "Dress Fancy Spirit Day" for the exclusive opening of the art show. Virtual Field Day will take place from June 8 through the 11th. Each day there will be different activities for the students to choose from and participate in. The week's activities will end on June 11 with the last spirit day when a virtual "Beach/Dance Party" will take place. Parent emails went out last week to inform parents of the June 16 drop-off of students' devices and pick up of their belongings. There is a team of teachers putting together a virtual 5th grade celebration. This will be sent out to all 5th grade parents on June 18. The students and staff are continuing to work hard in their distance learning responsibilities. The staff has been very impressed by the parent support the staff has received during the past ten weeks of distance learning. We really can't thank you all enough for your support.

At Mile Creek School: Students and teachers are continuing to engage in distance learning while also preparing for end of year celebrations. The Mile Creek fifth grade team is working to create a virtual promotion for students, and the kindergarten team is working to create a virtual kindergarten orientation meeting. During the week of June 8, students will be given field day activities for each day of the week. The staff has worked hard to provide alternatives to activities to those that would normally be occurring if students were in school. The morning broadcast is being sent home weekly, and school spirit days continue. On June 16, families are being asked to return school devices and materials and to pick up student supplies. We will be utilizing a drive-up procedure for this exchange.

In the Preschool Program: PreK is wrapping up their year with continued Google meets - imagine 16 four-year-olds in a Google meet. The teachers have also provided packets of activities for parents to use at home. We will all miss the PreK Wildcat Cub celebration, but the teachers and instructional assistants are busy preparing sand pails filled with surprise goodies for all the students. The teachers have appreciated

the partnership with parents and have missed their students during the past few months. We wish health and fun times for the summer to all.

IV. Administrative Reports

1. Superintendent's Report

Mr. Neviasher reviewed the June personnel report, which reflected numerous hires for the 2020-2021 school year. Vacancies yet to be filled include a .4 FTE school psychologist and a preschool teacher at Center School and a Director of Communications and Marketing.

Mr. Neviasher reviewed the June enrollment report, which reflected a total of 1,303 students enrolled with no change from last month this time. Mr. Neviasher noted that there is still continued interest from families who are considering a move into town and those who want to enroll their children as tuition students.

Mr. Neviasher reported that they are postponing the strategic planning originally scheduled for this summer and that once they have a better sense of what reopening school will look like, that process will be rescheduled.

Mr. Neviasher gave an update on the Lyme School gym project. The district's application for state reimbursement on the HVAC project was denied, and a subsequent appeal of this decision was also denied based on the state not participating in stand-alone HVAC projects, and their belief that the Lyme School HVAC project is a stand-alone HVAC project. On a positive note, this project will begin sooner than planned, and the anticipation is that bids will come in lower than budgeted due to the economic times. This project should be completed by September/October timeframe and accommodations for physical ed classes will be adjusted for the beginning of school in the fall.

Mr. Neviasher reported that the district is required by the diesel fuel contract to liquidate the remaining surplus that won't be used due to buses not running. Many options were looked at including donations to the towns and selling it to other organizations. At this point, the best option is to liquidate as no savings are incurred with the other options. This will cost the district \$27,127.92 for 19,736 gallons. This money has already been encumbered and budgeted for as the district intended to use this fuel this year.

Mr. Neviasher reported that they are currently organizing Reopening Planning Committees to develop a distance learning program for the district should they need to use one in the fall. They are looking for Board participation on the district-wide committee. Meetings will take place over the summer during the day.

Mr. Neviasher reported that they have received survey responses from the parents of students who were recommended for summer school. The vast majority were not comfortable having their child attend in-person sessions. Therefore, a virtual programming for the summer is being planned. Details will be sent to families who have been recommended for this program.

Mr. Neviaser reported that the governor just released news this afternoon allowing for outside graduations to take place with various limitations such as holding the graduation on or after July 6 and outdoors and limiting the total persons in attendance to 150. Despite this, Mr. Neviaser reported that Lyme-Old Lyme will continue with their planned graduation on June 12. He noted that the majority of students/parents were not interested in scheduling graduation at a later date in July. Mr. Neviaser described the photo opportunities and staff recognition of the graduates being planned to make this a special day for the Class of 2020.

2. Business Manager's Report

Mrs. McCalla reviewed the Executive Budget Summary as of May 31, 2020. Fluctuations of note:

Special Education: encumbrances entered as student needs are determined, but trending down considerably year after year.

Administrative Services: Greater purchasing in administrative tech equipment and purchased services last year to date vs. this year to date. Errors in account coding were identified and corrected by year end. Spending this year is reflected in instructional programs.

Employee Benefits: Actual allocation rates less than budgeted.

Transportation: Due to use of grant funds to offset this year's costs.

Support Services: Last year to date spending on library books and equipment/purchased services. Spending is in line with previous years.

Year To Date Revenue Report

	2018-2019 Received	2019-2020 Received YTD
Town of Old Lyme	\$26,343,259	\$24,678,645
Town of Lyme	\$6,748,520	\$5,892,263

Mrs. McCalla reported that billings to the towns for next year's budget have been sent to the towns so that the district can meet their monthly expenditures for fiscal year 2020-2021.

Mrs. McCalla reviewed the Contingency Maintenance Report, which reflected a balance of \$15,875. The final invoices and respective encumbrance adjustments resulted in a credit back to contingency of \$1,500. Mrs. McCalla reported that the \$15,875 balance will be adjusted next month with a decrease of approximately \$12,000 due to unexpected repairs to the middle school boiler.

V. Educational Presentation

No presentation scheduled.

VI. Chairman & Board Report

Mrs. Linderman encouraged Board participation on the "Reopening School Committees."

Mrs. Linderman reported that normally each summer the Board holds a retreat for the purpose of self-evaluation and to review district goals moderated by a representative from CABE or LEARN. Because of social distancing, this meeting will be postponed until such time as it can take place when the Board members can meet in person.

Mrs. Linderman, noting that there usually is not a need for the Board to hold a meeting in July, asked that the Board members keep July 1 open on their calendars should the need for this meeting be required due to some decisions that might have to be made, i.e., Lyme School gym project bids, etc.

VII. New Business

1. Sustainability Committee Proposal

Jennifer Miller, Chair of the Sustainability Committee, gave a PowerPoint presentation entitled “Clean Energy Resolution” which updated the Board on this committee’s work thus far. The update included their timeline through June 2021; the work of the education and 3R (reduce, reuse, recycle) workstreams; key findings with the waste and recycling haulers; a request for Board approval to purchase water bottle fillers; and upcoming plans to meet with the bus vendors, study available grants, and continue discussion on the possibility of installing a solar roof on Mile Creek School. A copy of the committee’s presentation is attached to these minutes for informational purposes.

MOTION: Dr. Goulding made a motion, which was seconded by Mr. Wilson, to approve the recommendation of the Sustainability Committee to purchase and install water bottle fillers throughout the district at a cost not to exceed \$3,500.

VOTE: the Board voted unanimously in favor of the motion.

Rebecca Waldo, a member of the Sustainability Committee, presented a proposal to the Board entitled “100% Clean Energy Commitment.” Highlights of the presentation included options for cleaner energy such as upgrading all district HVAC systems (elimination of heating oil) and transitioning to electric buses. A copy of her presentation in its entirety is attached to these minutes for informational purposes. The committee asked that the Board approve a resolution to transition the Lyme-Old Lyme School District to 100% clean, renewable energy resulting in net-zero emissions.

Follow-up discussion centered on more specifics on how the proposed initiatives will incur cost savings for the district. The Board discussed the variables involved in the economics. There was clarification that this resolution would reflect this initiative as a priority/goal of the district and would be used as a guiding principal in future decision-making by the Board. There was also clarification that this resolution was not a mandate and if economic circumstances change, decisions relative to the resolution would be modified or adjusted.

MOTION: Mrs. Miller made a motion to adopt the resolution for Regional School District 18 to achieve clean, renewable energy by 2030. Resolution in its entirety is below. Mrs. Thompson seconded the motion.

Transitioning Lyme-Old Lyme School District to 100% Clean, Renewable Energy Resulting in Net-Zero Emissions.

WHEREAS, The Intergovernmental Panel on Climate Change (IPCC Report) of 2018, the Fourth National Climate Assessment (NCA4), climate scientists from around the world, have all declared a climate crisis requiring a significant reduction of greenhouse gas emissions (GHG) from the burning of fossil fuels by 2030.

WHEREAS a clean energy school district supports Governor Lamont's commitment to 100% renewable energy by 2040 and 45% by 2030 for energy independence, fiscal responsibility, and community health, our air, water, wetlands and coastlines.

WHEREAS, schools, school districts, and cities around the country are making commitments to run on 100% clean energy to improve public health and to help tackle climate change.

WHEREAS, Region 18 is dedicated to supporting programs and strategies to make schools climate-safe, energy-efficient living laboratories teaching children to understand STEM concepts through clean energy applications.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Education of Region 18 hereby establishes the goal of achieving 100% clean energy in the form of wind or solar, and energy efficiency measures within the all energy sectors including electricity, heating, and transportation phasing out all fossil fuels onsite by 2030.

In planning and implementation of our 100% clean energy commitment, we shall include effective environmental and sustainability education. These measures will enhance equity in our school district and provide student learning opportunities in STEM and sustainability.

Be it further resolved that the Board of Education calls on city, state, and federal officials and agencies to take swift effective action on climate change to protect current and future students.

VOTE: the Board voted unanimously in favor of the motion.

2. Superintendent Appointment of Designee(s) Per Policy 2131.1

Mr. Neviasser explained that each year the Board is asked to appoint a designee(s) to act in the absence of the Superintendent as necessary. It is useful to have the Board designate two individuals for the rare occasions when both the Superintendent and Director of Curriculum are unavailable. It was Mr.

Neviaser's recommendation that the Board approve Michelle Dean and Melissa Dougherty as designees for this purpose.

MOTION: Mrs. Wilczynski made a motion, which was seconded by Dr. Powell St. Louis, to designate Michelle Dean, Director of Curriculum, and Melissa Dougherty, Director of Special Services, as the designees to act in the absence of the Superintendent per Policy 2131.1.

VOTE: the Board voted unanimously in favor of the motion.

3. Participation in State and Federal Grants

Mr. Neviaser explained that each year the Board is asked to approve application for all state and federal grants. These include those for special education as well as remedial, staff development and other entitlement grants. A single motion authorizes the administration to apply for all that the District is eligible as well as any additional grants deemed appropriate by the Superintendent.

MOTION: Mrs. Shoemaker made a motion, which was seconded by Mrs. Miller, to authorize the Superintendent of Schools to apply for, receive and otherwise act as the legal representative of Regional School District No. 18 in connection with the following State and Federal Grants along with any other grants he deems appropriate:

Adult Education

Handicapped Preschool Incentive – Section 619 Education of the Handicapped Act

National School Lunch Program

Open Choice Attendance

Title I Improving Basic Programs

Title II Teacher and Principal Training and Recruiting

Title VI Part B of the Education of the Handicapped Act PL 94-142

Carl D. Perkins

School Transportation

Science and Technology

Investing and Personal Finance

VOTE: the Board voted unanimously in favor of the motion.

4. Food Service Management Contract

Mr. Neviaser explained that each year, the USDA and State of Connecticut require school districts to renew their food service management contracts. The district is under agreement with Chartwells until June 30, 2021; however, the Board must renew the terms each year after receiving state approval.

MOTION: Dr. Powell St. Louis made a motion, which was seconded by Mrs. Wilczynski, to approve the food service management contract between Region 18 and Chartwells for the 2020-2021 school year.

VOTE: The Board voted unanimously in favor of the motion.

Mr. Neviasser explained that the Board must also act on the following Connecticut Statute:

Section 10-215f of the Connecticut General Statutes requires that each local board of education or governing authority for all Connecticut public school districts participating in the National School Lunch Program (NSLP) must take action annually to certify whether all food items sold to students will or will not meet the Connecticut Nutrition Standards. This includes all NSLP public schools, regional educational service centers, the Connecticut Technical High School System, charter schools, interdistrict magnet schools and endowed academies.

MOTION: Mrs. Shoemaker made a motion, which was seconded by Mrs. Miller, that pursuant to C.G.S. Section 10-215f, the Board of Education certifies that all food items offered for sale to students in the schools under its jurisdiction, and not exempted from the Connecticut Nutrition Standards published by the Connecticut State Department of Education, will comply with the Connecticut Nutrition Standards during the period of July 1, 2020 through June 30, 2021. This certification shall include all food offered for sale to students separately from reimbursable meals at all times and from all sources, including but not limited to, school stores, vending machines, school cafeterias and any fundraising activities on school premises sponsored by the school or by non-school organizations and groups.

Also, the Board of Education will allow the sale to students of food items that do not meet the Connecticut Nutrition Standards provided that the following conditions are met:

1. The sale is in connection with an event occurring after the end of the regular school day or on the weekend.
2. The sale is at the location of the event.
3. The food items are not sold from a vending machine or school store.

VOTE: the Board voted unanimously in favor of the motion.

5. LOLHS Gymnasium Floor Refinishing Project

Ron Turner, Director of Facilities and Technology, provided the following background information on this agenda item: the existing gym floor is original to the high school renovation completed in 2011. Current conditions include a buildup of previous finish, insufficient painted lines, and an outdated school logo and color scheme. The present school closure due to the pandemic provides a unique opportunity for the vendor to complete work without disrupting school or community sporting events.

The Facilities Department will work closely with the high school principal and athletic director to ensure the final design is appropriate for the needs of athletics and instruction. The Facilities Committee toured the gymnasium during a site-walk on May 6, and the members supported the refinishing project.

Mr. Turner's backup to this agenda item spoke to his experience working with this vendor on four similar gym floor renovations and that he has always been highly satisfied with the workmanship and cost associated with each job.

MOTION: Dr. Goulding made a motion, which was seconded by Mr. Wilson, to award New England Overland Floor Specialists a contract to refinish the high school gymnasium floor for the value of \$19,989, waive the bidding process, and fund from the 2019-2020 fund balance.

VOTE: the Board voted unanimously in favor of the motion.

Old Business

1. Closing of LOLHS Project

The district is still waiting for the final change order from the State so there is no action required on this agenda item.

2. Report of Committees:

- a. *Facilities*. Dr. Goulding reported on the status of the tennis court renovations. He also reported that the turf field went before the Wetland Commission. He stressed the importance of getting more community input and involvement on this project as the pandemic has hindered their progress for getting information out to the public. He voiced his hope that a public forum could be held in September.
- b. *Finance*. No report.
- c. *Communications*. No report.
- d. *Policy*. No report.
- e. *LEARN*. Mrs. Linderman reported that at LEARN's last meeting, discussion centered on their budget, the process behind the evaluation of the director; the closing of the Dual Language Magnet School, and the reopening of schools in the fall.
- f. *LOL Prevention Coalition*. No report.
- g. *Sustainability*. Reported under *New Business*.

VIII. Correspondence

Mrs. Linderman reported on an email from Old Lyme resident Mona Colwell regarding the turf field, which she passed along to all Board members. Mrs. Linderman also noted the importance of community engagement regarding the turf field so that questions and concerns can be addressed.

Mrs. Thompson inquired about Board participation in the graduation ceremony. Mrs. Linderman reported that the Board will not be participating this year as they normally do because of social distancing guidelines. Mr. Neviasser extended an invitation for the Board to attend and honor the students similar to what is being planned for staff attendance at this event. He asked that they let him know if they wanted to attend graduation so that security is apprised and will guide them to the appropriate spot for attendees.

IX. Executive Session

MOTION: Mrs. Wilczynski made a motion, which was seconded by Mrs. Leonardo, to move into executive session for the purpose of discussing the Superintendent's evaluation document and the contracts of the Business Manager, Director of Facilities and Technology, and the Superintendent. Mr. Neviasser was invited to attend the executive session.

X. Adjournment

The regular meeting adjourned at 8:44 p.m. upon a motion by Dr. Goulding and a second by Mrs. Shoemaker.

Respectfully submitted,

Steven Wilson, Secretary

Sustainability Committee

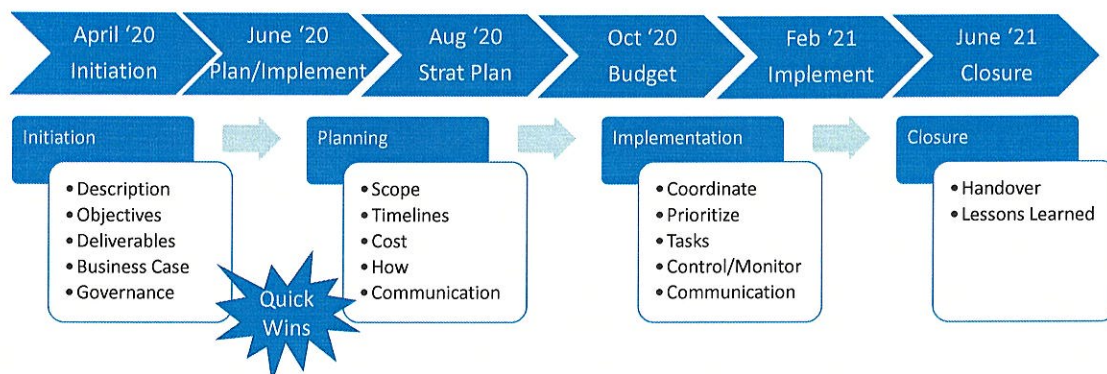
Advisory Committee of the Region18 Board of Education

Update to the BoE

Clean Energy Resolution

June 3, 2020

SC Planning



Each workstream will progress individually, coordinated by SC team, with approval from BoE & Administration

Workstreams are populating their teams – students, staff, LOL residents welcome. Experts invited, ad hoc.

Education Workstream

- Explore Greenleaf Initiative and National Green Ribbon School status
 - *Provide effective environmental and sustainability education*
 - *Improve the health and wellness of students and staff*
 - *Reduce environmental impact and cost of the resources used in the school*
- Build awareness throughout R18 schools supporting and reinforcing SC initiatives and behavior
- Support independently driven curriculum (NGSS) and Coordinated School Health Council goals

Reduce, Reuse, Recycle (3R) Workstream

- Branded plastic water bottles, plastic-ware, composting, terracycle, awareness
- Waste and Recycling Haulers
 - Zoom meeting with CPWM, Jansky, and Williwaste on May 7, 2020
 - Goal was to gain knowledge of the flow of waste and recycling after it leaves campus and measures in-place

Waste and Recycling Haulers – Key Findings

1. Recycled materials are being processed as recycling - they are not incinerated like waste materials
 - There was uncertainty within Region 18 community regarding this point
 - All waste is transported to Hartford incinerator
2. Haulers are not recording volume of waste/recycling being hauled from Region 18
 - This data could have been very useful in measuring future successes of Sustainability Committee initiatives
 - Other metrics will be considered (student-led project)
 - No possibility for showing reduction in volumes of material hauled off campus for future cost-savings

Waste and Recycling Haulers – Next Steps

- Haulers agreed that no improvement was needed by Region 18 in our current practices of waste and recycling
- It is clear that our community can do better (single-use plastic water bottles frequently end up in the trash, for example)
- Custodians report that education of Region 18 students and staff in proper recycling protocol would help streamline their jobs
- Plan to increase awareness and participation is developing
 - Goal – Kick-off campaign when students return in the fall

Water Bottle Fillers

- Goal is to replace or retrofit water fountains with bottle fillers
 - Reduce reliance on single-use plastics
 - Visual cue to region 18 community to “reach for reusable” and “stop single-use”
- Current status
 - HS gymnasium, commons, and second floor (3 total)
 - MS has two installed and two more on hand will be installed this summer (4 total)
 - One at LC on hand to be installed (1)
- Four additional fillers are requested
 - LC = 1 additional filler
 - MC = 2 fillers

Water Bottle Fillers

- Estimated cost: \$500-\$1000 each unit
 - Region 18 crew to install
- Total cost anticipated not to exceed \$3500
- Total units: HS 3, MS 4, LC 2, MC 2



ASK: Purchase and install 3 additional water bottle filling stations for R18 at a cost not to exceed \$3000 from FY 19/20 budget sources

Renewables

- Meetings with Bluebird/M&J bus vendor
- Initial discussions regarding available grants, infrastructure requirements, town collaborations
- MC solar roof discussion progressing
- 100% Clean Energy School District Resolution passed for recommendation to BoE – see additional information

100% CLEAN ENERGY COMMITMENT

**BOARD OF EDUCATION REGION 18
SUSTAINABILITY COMMITTEE PROPOSAL**

JUNE 3, 2020



**A SUSTAINABLE FUTURE IS ELECTRIC...
POWERED BY CLEAN ENERGY**

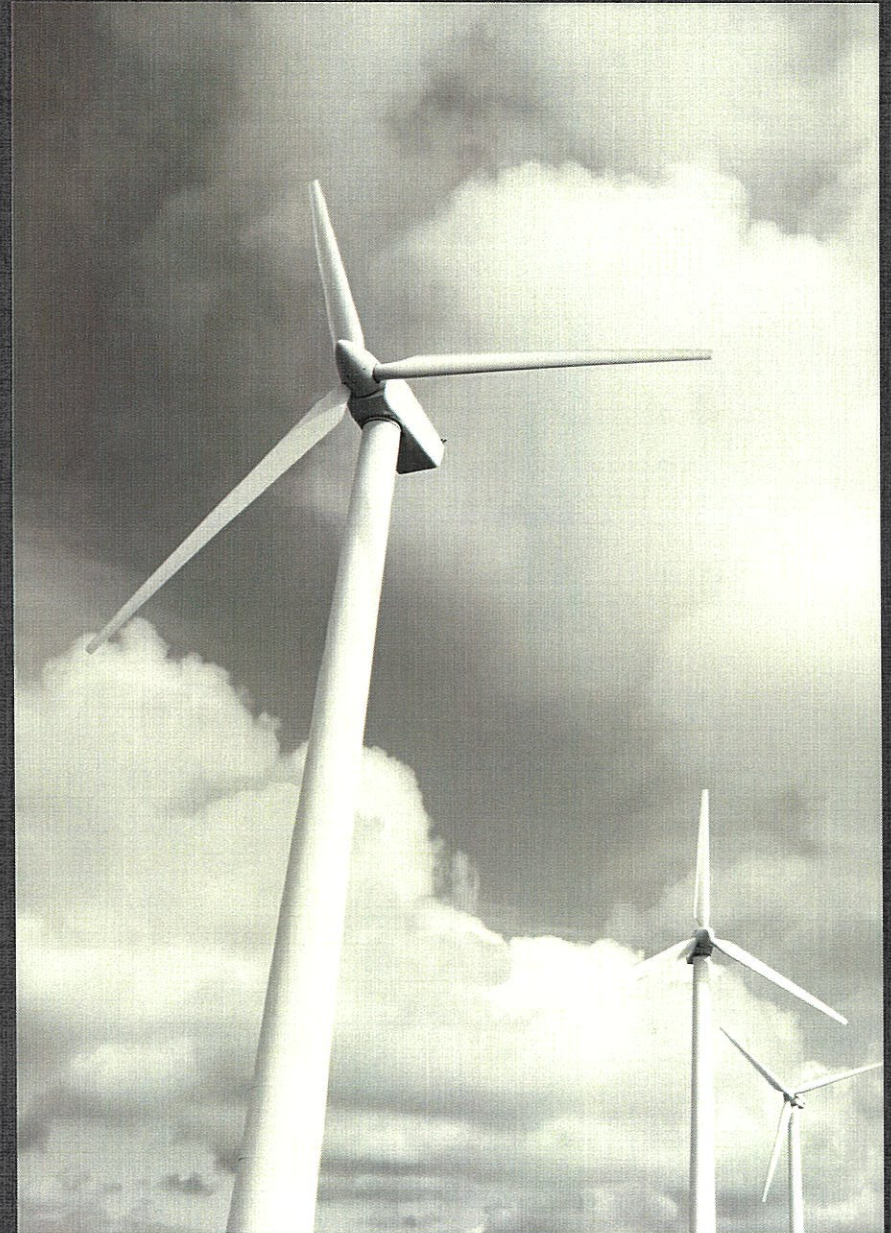
SUSTAINABILITY COMMITMENT MOMENTUM

- ▶ **Global** - Intergovernmental Panel on Climate Change (IPCC) pathway to net zero emissions
- ▶ **National** - Blue Collar to Green Collar Jobs Development Act of 2019 (H.R.1315), Renewable Electricity Standard Act (S.1974), Coastal Communities Adaptation Act (H.R.1317), National Infrastructure Development Bank Act of 2019 (H.R.658)
- ▶ **Regional** - Los Angeles Unified School District (SD), MN Independent SD 197, Mounds View SD (MN), Red Wing Public Schools (MN), Multnomah SD (OR), San Francisco Unified SD, Santa Barbara SD, Madison Metropolitan SD (WI), Broadalbin-Perth Central SD (NY).....
- ▶ **Local**- "Sustainable CT", Mansfield Elementary School, West Hartford Charter Oak Middle School

**REGION 18 WILL BE THE FIRST SCHOOL DISTRICT
IN CT TO COMMIT TO 100% CLEAN ENERGY**

A COMMITMENT TO A SUSTAINABLE FUTURE

- ▶ Financial Benefits - Energy efficiency saves money, >25%+ cost reduction possible
- ▶ Improve students' health and academic performance
- ▶ Expand educational opportunities
- ▶ Support Global, National and State efforts
- ▶ Build on Region18 success to date



WHY A RESOLUTION?

- ▶ The goal of 100% allows us to fully plan for change rather than piecemeal change - holistic overview
- ▶ Establishes a time-bound goal in line with peer programs, State and National goals
- ▶ Students, teachers are inspired, motivated - as facilities, academics and workforce move towards new energy paradigm
- ▶ Opportunity to capitalize on solidarity lesson from coronavirus
- ▶ Resolution approval will provide input for BoE strategic planning update
- ▶ Leadership, collaboration, commitment for the shoreline schools, our vendors, our community

WHERE ARE WE NOW ?

- ▶ Upgrading HVAC with air source heat pumps that run on electric. MS, CS, Lyme, MC are included in 5 year capital plan
- ▶ ~29% cost reduction achieved with improvements in lighting, energy efficiency with mechanical controls and energy offsets
- ▶ Offset electricity with 27% solar energy



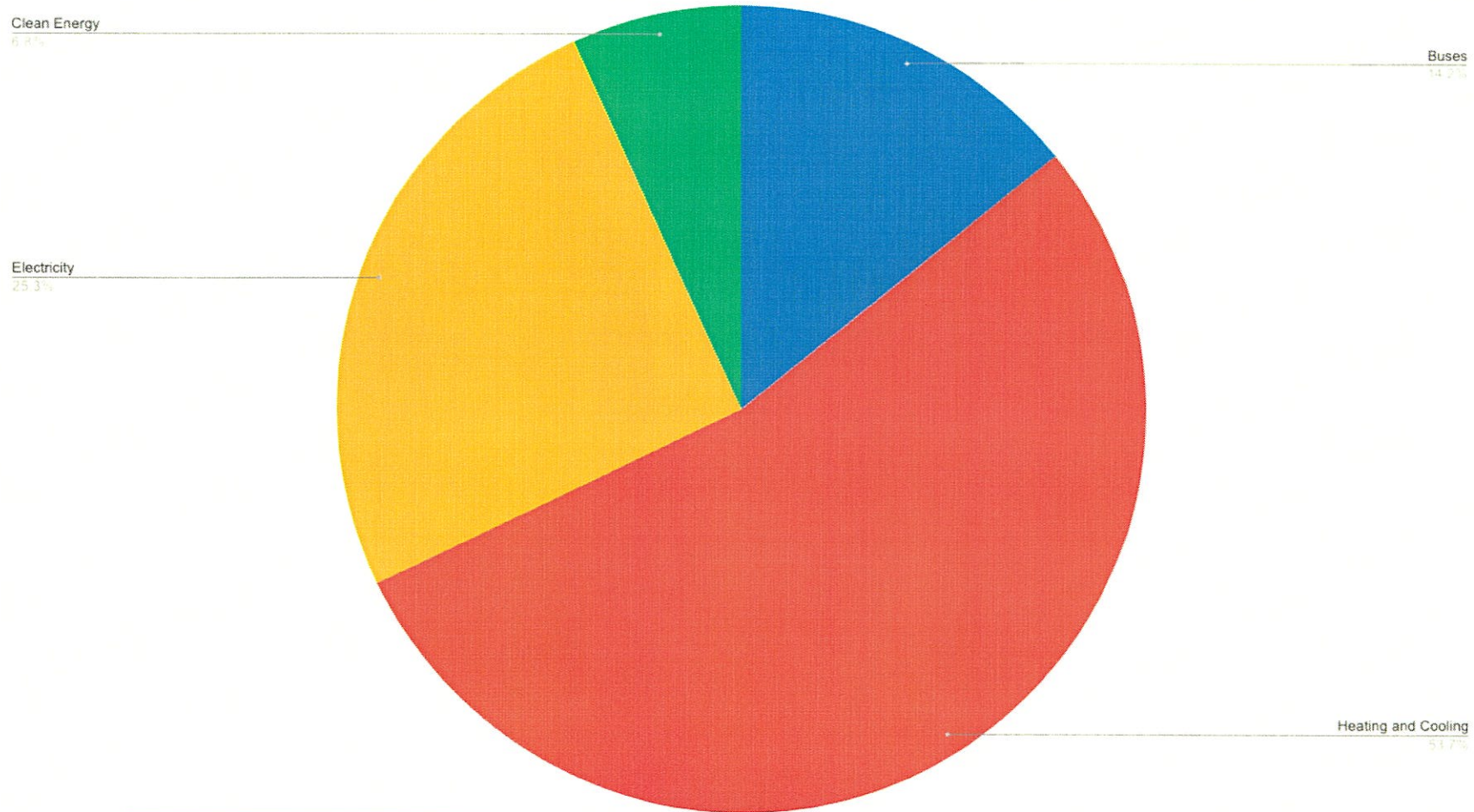
A high-angle, low-light photograph of a massive concrete dam. The dam's surface is composed of large, rectangular concrete panels with visible vertical joints and some weathering. A single person stands on a narrow walkway along the top crest of the dam, providing a sense of the structure's immense scale. The sky is dark and overcast.

EMISSIONS

**ARE CREATED FROM BURNING FOSSIL FUELS
FOR ENERGY**

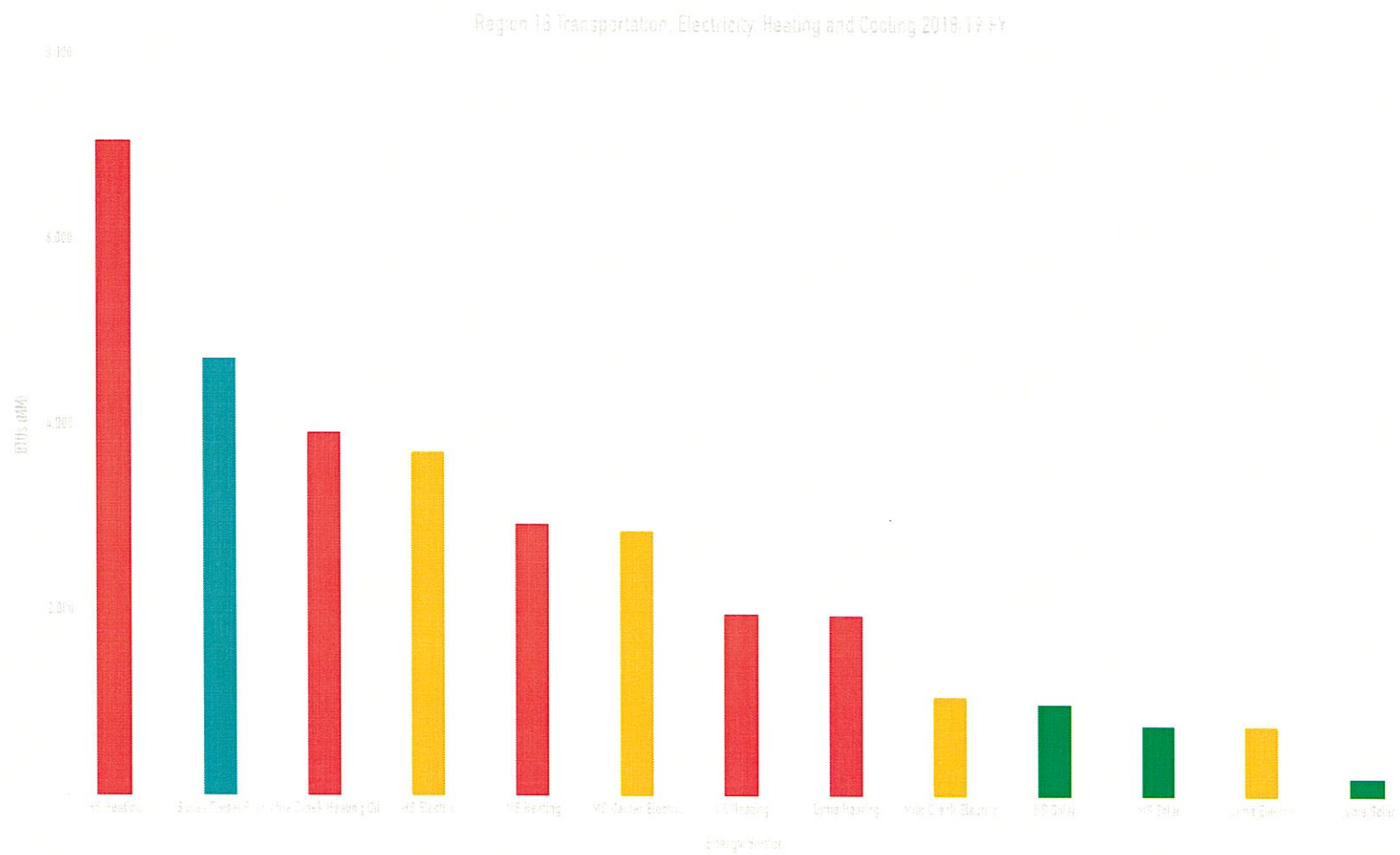
REGION 18 CURRENT ENERGY USAGE

Region 18 Energy Usage



93% OF REGION 18 ENERGY COMES FROM BURNING FOSSIL FUELS

ENERGY SECTOR BREAKDOWN





**A SUSTAINABLE FUTURE IS ELECTRIC...
POWERED BY CLEAN ENERGY**

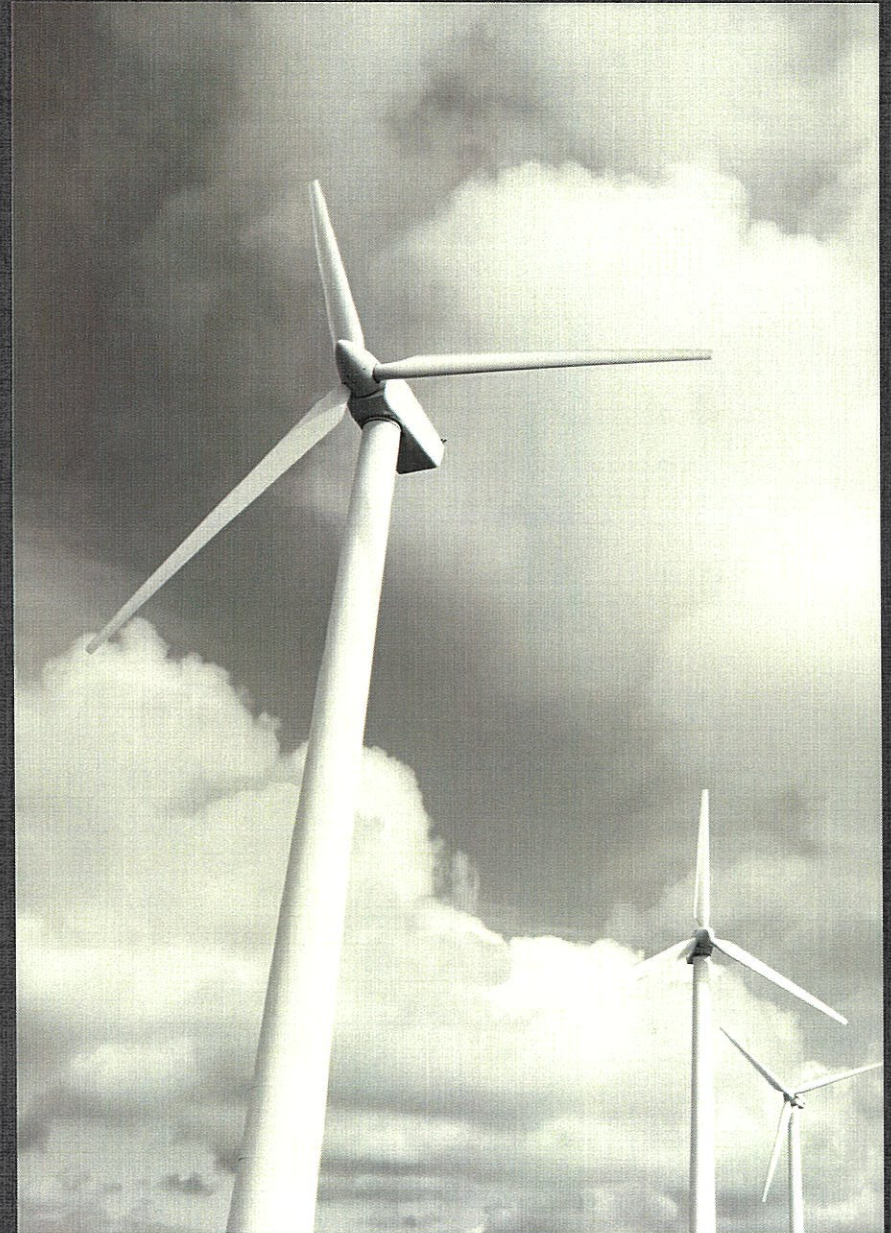
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- ▶ Financial Benefits - Energy efficiency saves money, >25%+ cost reduction possible
- ▶ Improve students' health and academic performance
- ▶ Expand educational opportunities
- ▶ Support Global, National and State efforts
- ▶ Build on Region18 success to date



WHY A RESOLUTION?

- ▶ The goal of 100% allows us to fully plan for change rather than piecemeal change - holistic overview
- ▶ Establishes a time-bound goal in line with peer programs, State and National goals
- ▶ Students, teachers are inspired, motivated - as facilities, academics and workforce move towards new energy paradigm
- ▶ Opportunity to capitalize on solidarity lesson from coronavirus
- ▶ Resolution approval will provide input for BoE strategic planning update
- ▶ Leadership, collaboration, commitment for the shoreline schools, our vendors, our community

WHERE ARE WE NOW ?

- ▶ Upgrading HVAC with air source heat pumps that run on electric. MS, CS, Lyme, MC are included in 5 year capital plan
- ▶ ~29% cost reduction achieved with improvements in lighting, energy efficiency with mechanical controls and energy offsets
- ▶ Offset electricity with 27% solar energy



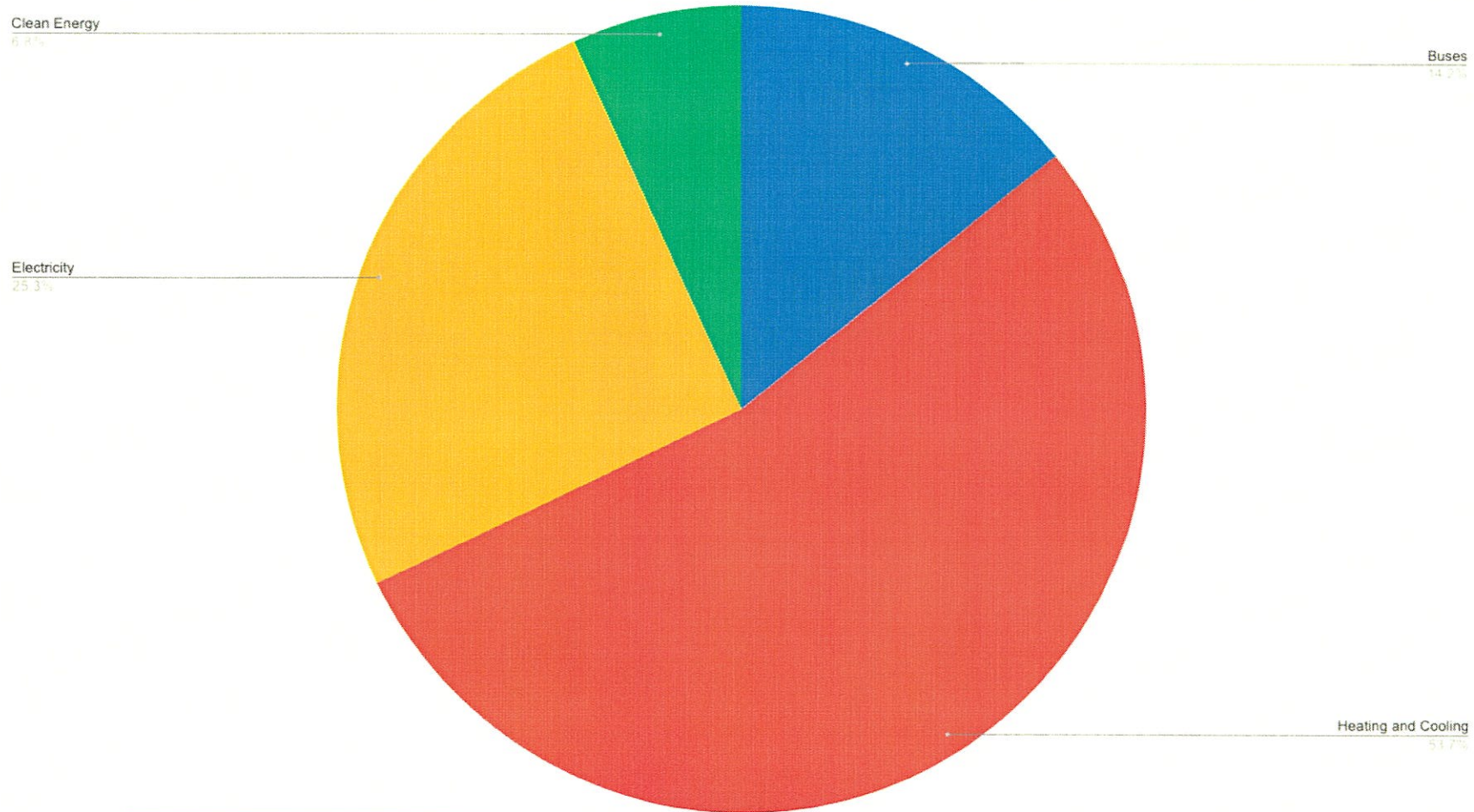
A high-angle, low-light photograph of a massive concrete dam. The dam's surface is composed of large, rectangular concrete panels with visible vertical joints and some weathering. A single person stands on a narrow walkway along the top crest of the dam, providing a sense of the structure's immense scale. The sky is dark and overcast.

EMISSIONS

**ARE CREATED FROM BURNING FOSSIL FUELS
FOR ENERGY**

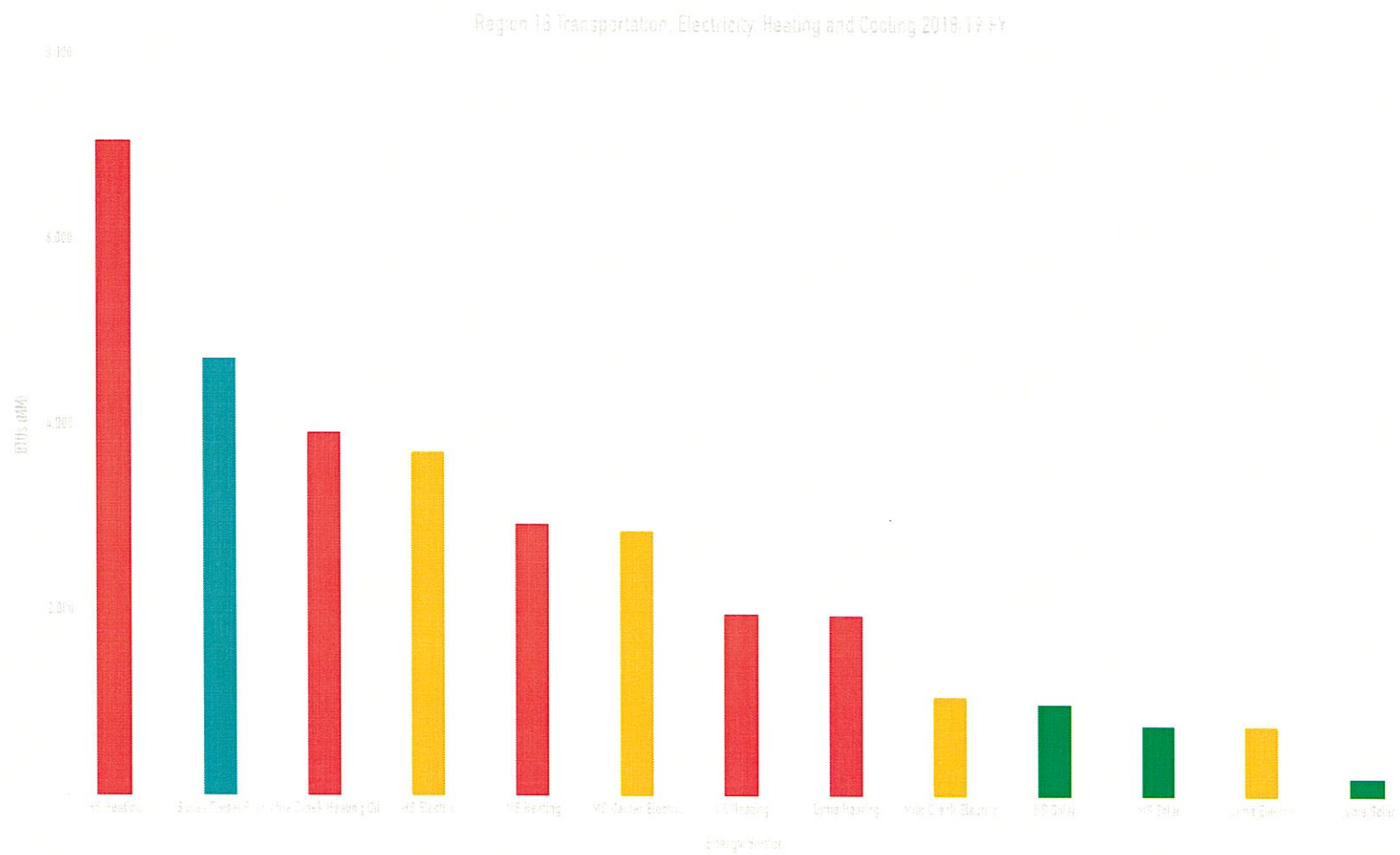
REGION 18 CURRENT ENERGY USAGE

Region 18 Energy Usage

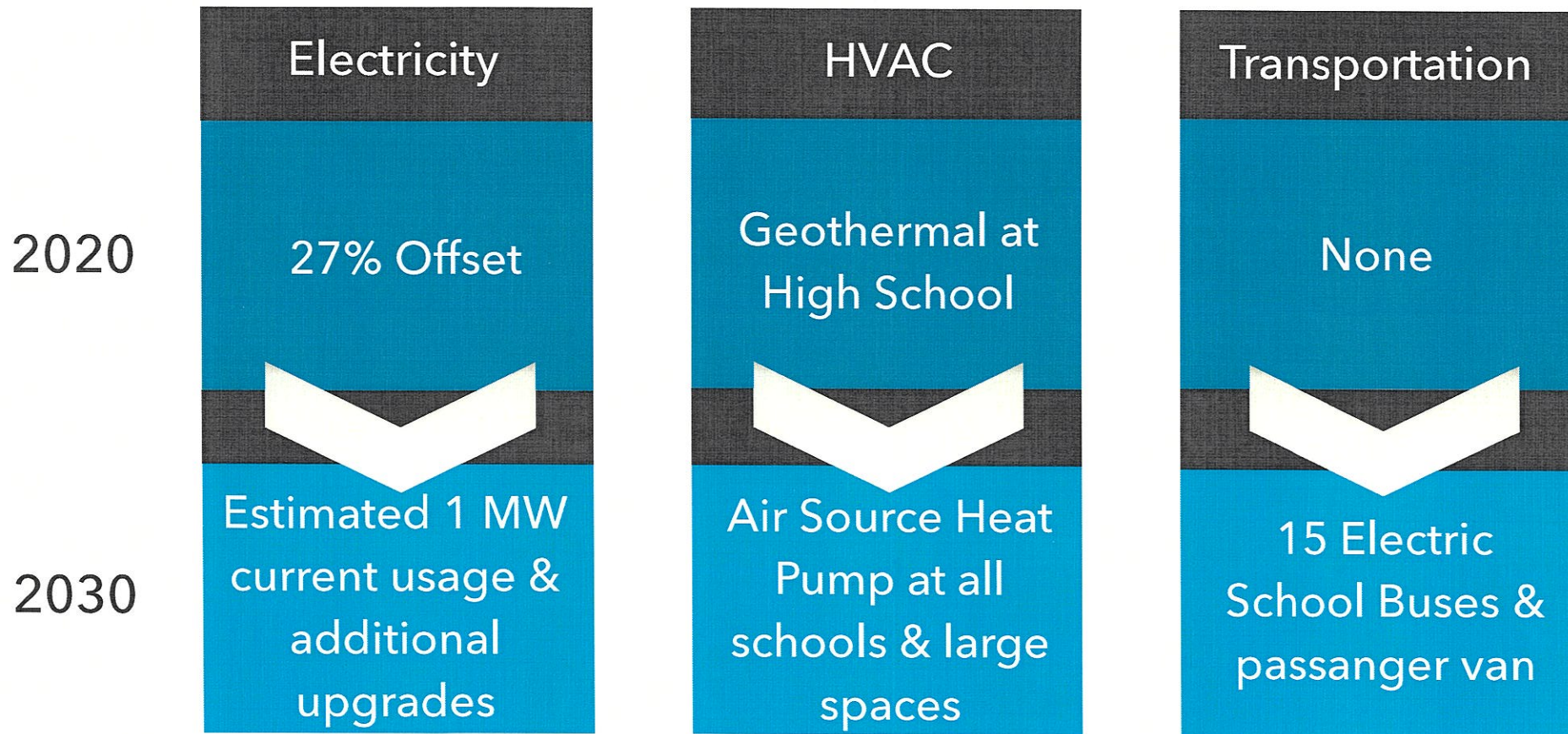


93% OF REGION 18 ENERGY COMES FROM BURNING FOSSIL FUELS

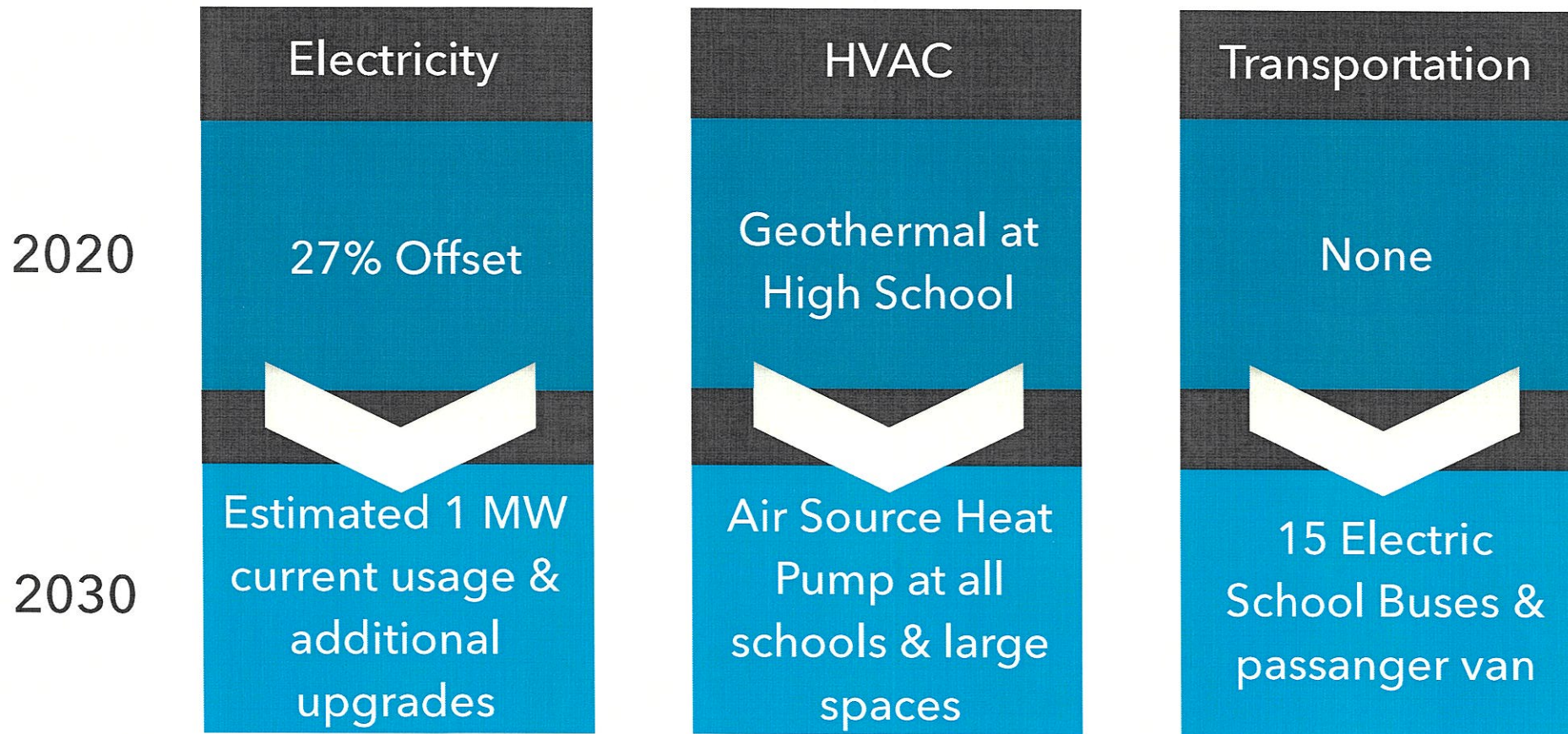
ENERGY SECTOR BREAKDOWN



100% CLEAN ENERGY RESOLUTION



100% CLEAN ENERGY RESOLUTION



SOME POTENTIAL OPTIONS TO 100% CLEAN ELECTRICITY

- ▶ Onsite solar - Power Purchase Agreement (PPA) - no capital cost, limited space to offset complete usage
- ▶ Build solar farm Old Lyme Landfill with Virtual Net Metering - PPA
- ▶ Shared Clean Energy Facility - bid opened 4/2020 - pay per kWh some companies guaranteed 10% savings
- ▶ Energy Storage
- ▶ Region 18 Electric Usage 3,346,022 kWh 2009-10 : 2,718,867 kWh 2018-19
- ▶ Potential Pathway: 1 MW offset 2025 by 2030 offset remaining usage from additional upgrades

UPGRADE ALL HVAC SYSTEMS – NO MORE HEATING OIL

- ▶ Geothermal or Air Source Heat Pumps
- ▶ Energy source is Electricity
- ▶ MS, CS, Mile Creek, Lyme School already in Capital Plan
- ▶ Engineering study budgeted for 2021/22
- ▶ Include large spaces such as gym, auditoriums, open area in HS
- ▶ Any replacements going forward are electric
- ▶ Heat pumps offer Disease blocking designs
- ▶ Potential Pathway: 2025 continue with Budget plans MS, CS, Lyme, Mile Creek, 2025-2030 add large spaces and High School

ELECTRIC VANS & SCHOOL BUSES

- ▶ Opportunity to apply for grants as sole entity or collaborative with Clean Cities Coalition that includes 23 other towns in CT - 3 use M&J
- ▶ Grant pays for cost of regular school bus to full cost of electric school bus
- ▶ DEEP grant opens in June, additional funding from CT Green Bank, CT Diesel & DERA
- ▶ Procurement through M&J on a plan for one or two electric school buses
- ▶ Collaborate with Town of Old Lyme
- ▶ Plan new technology opportunities at Bus Depot for charging infrastructure, solar offset, vehicle to grid, battery storage, load management
- ▶ Potential Pathway: Add 1 bus/year 2020-2025 & 2025-2030 2 Buses/year

BOARD OF EDUCATION RESOLUTION

- ▶ The goal of 100% allows us to fully plan for change rather than piecemeal change - holistic overview
- ▶ Establishes a time-bound goal in line with peer programs, State and National goals
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DISCUSSION AND MOTION

BOARD OF EDUCATION Region 18 Lyme Old Lyme, CT

RESOLUTION

Transitioning Lyme - Old Lyme School District to 100% Clean, Renewable Energy Resulting in Net-Zero Emissions.

WHEREAS, The Intergovernmental Panel on Climate Change (IPCC Report) of 2018, the Fourth National Climate Assessment (NCA4), climate scientists from around the world, have all declared a climate crisis requiring a significant reduction of greenhouse gas emissions (GHG) from the burning of fossil fuels by 2030.

WHEREAS a clean energy school district supports Governor Lamont's commitment to 100% renewable energy by 2040 and 45% by 2030 for energy independence, fiscal responsibility, and community health, our air, water, wetlands and coastlines.

WHEREAS, schools, school districts, and cities around the country are making commitments to run on 100% clean energy to improve public health and to help tackle climate change.

WHEREAS, Region 18 is dedicated to supporting programs and strategies to make schools climate- safe, energy-efficient living laboratories teaching children to understand STEM concepts through clean energy applications.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Education of Region 18 hereby establishes the goal of achieving 100% clean energy in the form of wind or solar, and energy efficiency measures within the all energy sectors including electricity, heating, and transportation phasing out all fossil fuels onsite by 2030.

In planning and implementation of our 100% clean energy commitment we shall include effective environmental and sustainability education. These measures will enhance equity in our school district and provide student learning opportunities in STEM and sustainability.

Be it further resolved that the Board of Education calls on city, state, and federal officials and agencies to take swift effective action on climate change to protect current and future students.

Introduced on June 3, 2020 by: Sustainable Committee Advisory Board

Adopted and approved by the Board of Education of the Region 18 at a regular meeting held on [date]

REFERENCES

- ▶ 2020 EV Roadmap for CT [http://www.dpuc.state.ct.us/DEEPEnergy.nsf/c6c6d525f7cdd1168525797d0047c5bf/f7ed4932eec438d0852585520001c81b/\\$FILE/EV%20Roadmap%20for%20Connecticut.pdf](http://www.dpuc.state.ct.us/DEEPEnergy.nsf/c6c6d525f7cdd1168525797d0047c5bf/f7ed4932eec438d0852585520001c81b/$FILE/EV%20Roadmap%20for%20Connecticut.pdf)
- ▶ Connecticut Physical Climate Science Assessment Report UCONN Atmospheric Science Group Aug 2019
- ▶ Carbon emissions are falling sharply due to Coronavirus. But not for long. <https://www.nationalgeographic.com/science/2020/04/coronavirus-causing-carbon-emissions-to-fall-but-not-for-long/#close>
- ▶ BOE Presentation March 2020 (John Rhodes)
- ▶ Energy Data for Region 18 from 2018/19 (John Rhodes)
- ▶ 100% Clean and Renewable Wind, Water, and Sunlight all-Sector Energy Roadmap for 139 Countries of the World <https://web.stanford.edu/group/efmh/jacobson/Articles/I/CountriesWWS.pdf> 2017