

PROPOSED NEW

BOOTHBAY REGION HIGH SCHOOL

175 STUDENTS + 28 STAFF

ACADEMICS • SUSTAINABILITY • SAFETY • COMMUNITY

A RESPONSIBLE DESIGN THROUGH

SUSTAINABILITY

TARGET ENERGY USE INTENSITY (EUI) OF **32 EUI** WHICH IS **54% MORE EFFICIENT THAN THE EXISTING HIGH SCHOOL**. ENERGY USE INTENSITY IS THE “MILES PER GALLON” FOR A BUILDING

HIGHLY EFFICIENT EXTERIOR ENVELOPE WITH INCREASED INSULATION, TRIPLE PANE INSULATED WINDOWS, ELIMINATE BUILDING AIR LEAKAGE, AND **INCREASED THERMAL COMFORT**

REDUCED FOSSIL FUEL DEPENDENCY BY USING EFFICIENT **AIR SOURCE HEAT PUMPS** AND FUTURE ON-SITE ENERGY HARVESTING WITH **ROOF MOUNTED SOLAR PANELS**

SUSTAINABILITY FEATURES DESIGNED TO INCREASE **HEALTH AND WELLNESS** BY INCREASING **NATURAL LIGHT**, BETTER **INDOOR AIR QUALITY**, AND **BALANCED ACOUSTICS**.



QUESTION #2: \$60,200,000



PROPOSED RENOVATED

BOOTHBAY REGION ELEMENTARY SCHOOL

314 STUDENTS + 53 STAFF

ACADEMICS • SUSTAINABILITY • SAFETY • COMMUNITY

A RESPONSIBLE DESIGN THROUGH

SUSTAINABILITY

INCREASING THE ENERGY EFFICIENCY OF THE BUILDING BY **INSULATING THE EXTERIOR WALLS** AND REDUCING BUILDING AIR LEAKAGE

INCREASING HEALTH AND WELLNESS BY RELOCATING STUDENTS FROM AREAS OF THE BUILDING WITH NO NATURAL LIGHT TO **AREAS WITH PLENTY OF NATURAL LIGHT**

REDUCED DEPENDENCY ON FOSSIL FUELS WITH **FUTURE ON-SITE ENERGY HARVESTING** THROUGH THE USE OF **ON-SITE SOLAR PANELS**

REPLACING ALL EXISTING WINDOWS WITH THERMALLY BROKEN **INSULATED WINDOWS** WITH LOW-E COATING TO REDUCE THERMAL GAIN



QUESTION #1: \$28,800,000