ZERO ENERGY TOWN BUILDING BYLAW ARTICLE 15 FALL 2017 TOWN MEETING

OVERVIEW

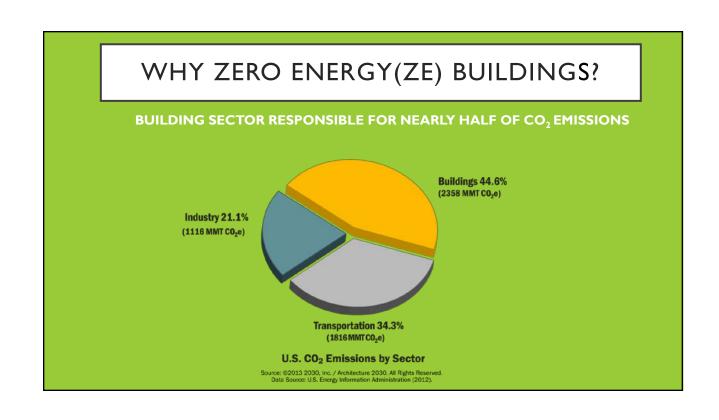
WE ARE A GROUP OF AMHERST RESIDENTS AND MOTHERS OUT FRONT VOLUNTEERS WHO ARE URGENTLY CONCERNED ABOUT OUR CLIMATE CRISIS AND WANT TO SEE OUR TOWN COMMIT TO ZERO ENERGY FOR ALL NEW MUNICIPAL BUILDINGS AND MAJOR ADDITIONS



THE CLIMATE FACTS

- GREEN HOUSE GASES AS A RESULT OF THE BURNING OF FOSSIL FUELS ARE WARMING OUR EARTH AND OCEANS
- WE ARE AT RISK OF PUSHING OUR CLIMATE
 SYSTEM TOWARD ABRUPT UPREDICTABLE
 AND POTENTIALLY IRREVERSIBLE CHANGES
 WITH HIGHLY DAMAGING IMPACTS
- THE SOONER WE ACT THE LOWER THE RISK AND COST.
- THERE IS MUCH WE CAN DO





WHAT IS A ZERO ENERGY BUILDING?

An energy-efficient building that produces enough on-site renewable energy to meet its own annual energy consumption requirements.



HOW DO YOU ACHIEVE ZERO ENERGY?

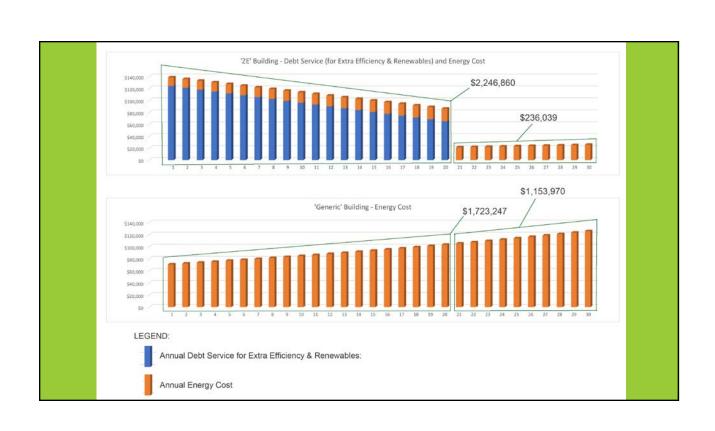
- I. ZE GOAL FROM THE START OF THE PROJECT
- 2. ASSEMBLE KNOWLEDGABLE DESIGN TEAM
- 3. DESIGN FOR LOW ENERGY USE
 - HIGH LEVELS OF INSULATION AND SEALING
 - HIGH PERFORMANCE WINDOWS AND DOORS
 - EFFICIENT LIGHTING, APPLIANCES, ELECTRONICS
 - SMART DESIGN AND BUILDING ORIENTATION
- 4. OBTAIN ENERGY FROM RENEWABLE SOURCES

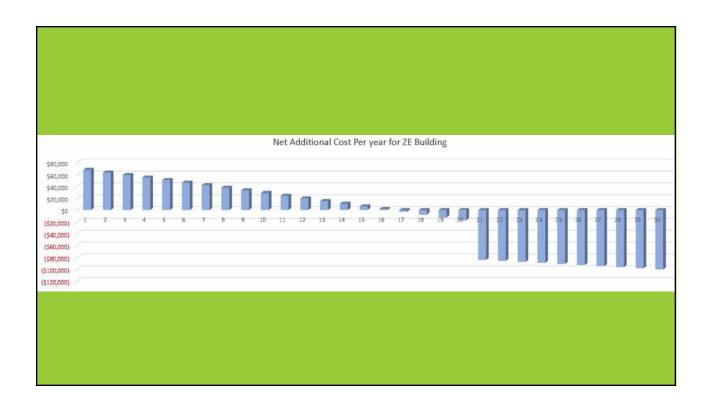
HOW MUCH DOES ZERO ENERGY COST?

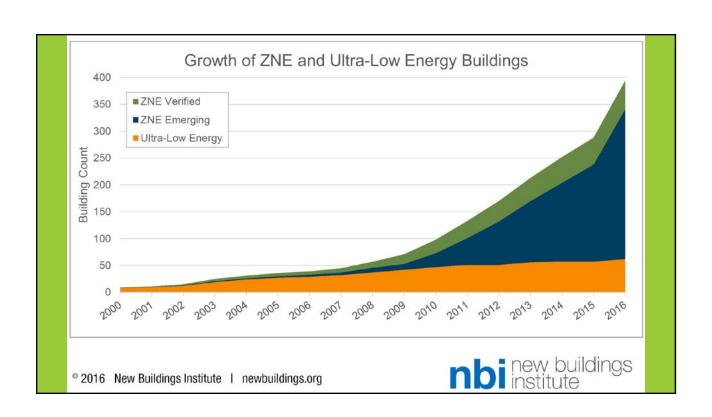
- ZE COSTS MORE TO BUILD
- EXTRA COST IS RECOUPED FROM ENERGY SAVINGS
- AFTER EXTRA ZE COST IS REPAID (20 YEAR TERM), ENERGY SAVINGS CONTINUE FOR LIFE OF BUILDING
- CONSERVATIVE ENERGY COST INCREASE AND NO INCENTIVES USED IN CALCULATION













FALL 2017 TOWN MEETING WARRANT ARTICLE

- ZERO ENERGY NETS ON AN ANNUAL BASIS
- INTERGRATED ZE DESIGN PROCESS FROM PROJECT CONCEPT TO COMPLETION
- NO ON-SITE BURNING OF FOSSIL FUELS
- START OF ANNUAL COMPLIANCE PERIOD REQUIRED WITHIN 12 MONTHS OF OCCUPANCY

EXCEPTIONS:

- PROJECT COST LESS THAT I MILLION
- RENOVATIONS

AMENDMENTS:

- BACK UP POWER *
- OFF-SITE, BUT PART OF BUILDING PROJECT ALLOWED

ZERO ENERGY AMHERST

- MORE COMFORTABLE, HEALTHIER BUILDINGS
- MORE AFFORDABLE TO OPERATE
- HELPING PROTECT OUR PLANET FOR FUTURE GENERATIONS

QUESTIONS, COMMENTS?

PLEASE VISIT OUR WEBSITE FOR MORE INFORMATION:

ZEROENERGYAMHERST.WEEBLY.COM

Unless someone like
you cares a whole
awful lot,
nothing is
going to get
better.
It's not.