

CLIMATE ACTION ~~PLAN~~ IMPACT



2019 SUSTAINABILITY
ANNUAL REPORT

Boston University Sustainability

A photograph of a wind farm with several white wind turbines against a blue sky with light clouds. The image has a blue tint and is used as a background for the report cover.

BY THE NUMBERS

CO₂ emissions
(Scopes 1 & 2):

25%

Energy Use:

3%

EUI:

129
kBtu/sf

EUI:

14%

Waste
Generation:

8%

Waste
Diversion:

42%

Water Use:

7%

Square feet
of total LEED
Certified:
1,119,905

Percentage
of LEED square
footage to
achieve Gold

89%

4-Star Green
Restaurant:

1

3-Star Green
Restaurants:

4

Sustainability
Inclusive & Focused
Courses:

390

CRC Student
Sustainable
Transportation:

98%

CRC Employee
Sustainable
Transportation:

71%

Dual EV
Charging
Stations:

4
(CRC)

Dual EV
Charging
Stations:

8
(BUMC)

Sustainability
Related Student
Groups:

23

CRC Yard Waste
Composting:

100%

Sustainable
Cleaning Products:

98%

From FY2006 to FY2019, BU campus facilities grew 12%, to a total of 15 million square feet.

All changes are in relation to an FY2006 baseline.

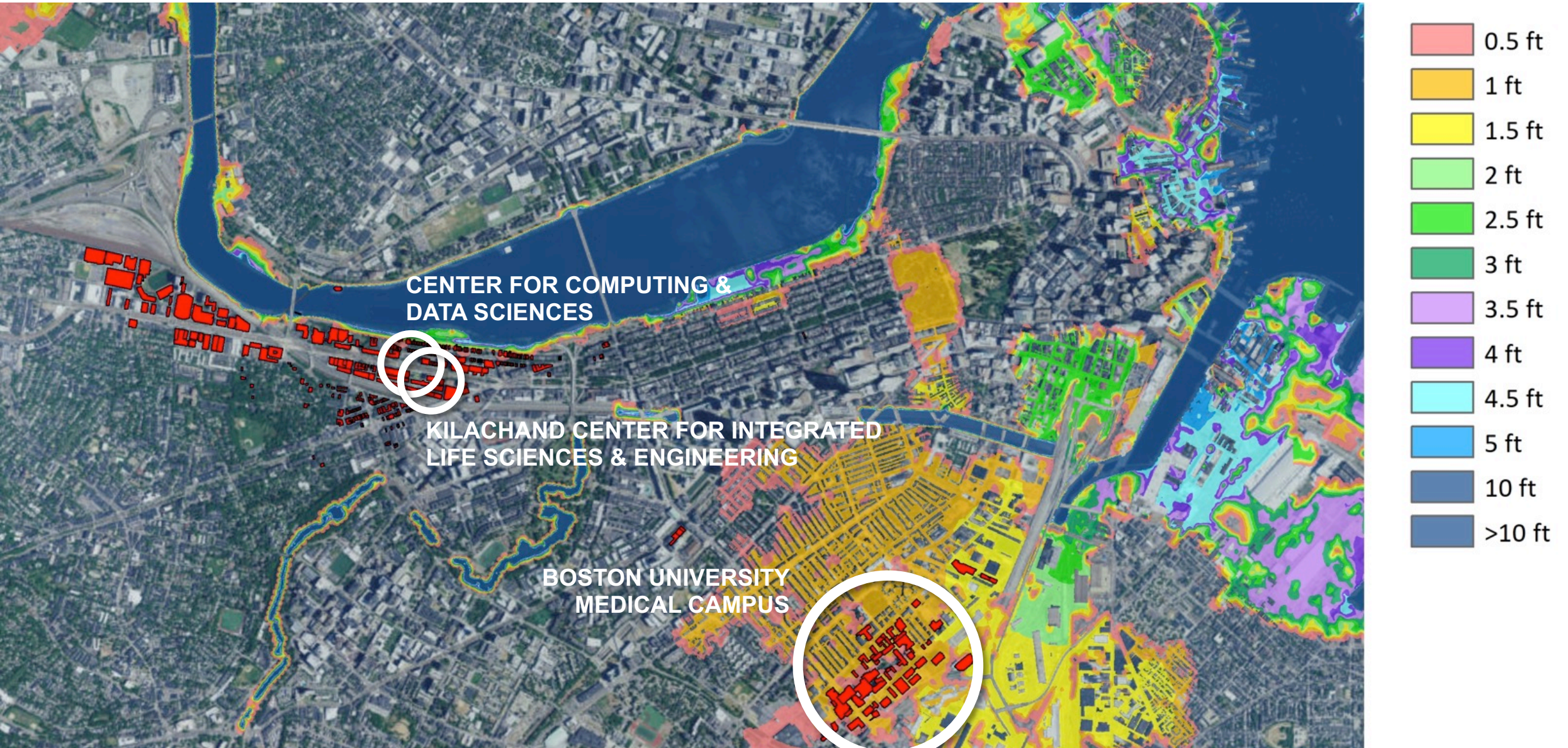
PREPARING FOR CLIMATE CHANGE



PREPARING FOR CLIMATE CHANGE

100 YEAR STORM IN 2070

BU MEDICAL CAMPUS VULNERABILITY STUDY

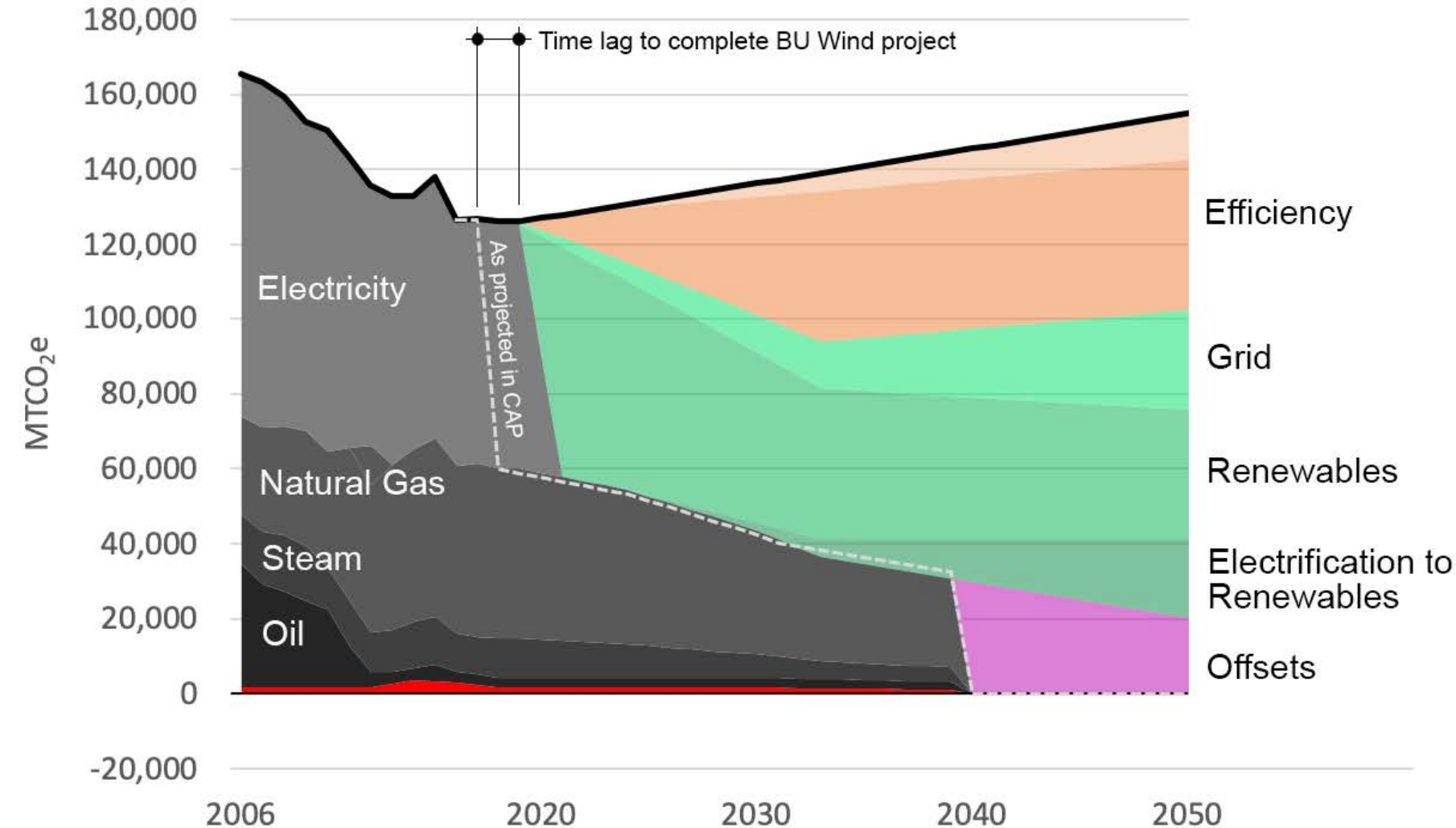


NET-ZERO DIRECT EMISSIONS

Wind turbine stacking at BU Wind site in the Triple H wind farm in South Dakota March 2020
Photo: Lock & Key for ENGIE

NET-ZERO DIRECT EMISSIONS

PROGRESS ON CLIMATE ACTION PLAN EMISSIONS REDUCTIONS



1. Reduce demand by 31% by 2032
2. Shifting away from fossil fuel use to electricity for heating and cooling to enable a transition to renewables
3. Sourcing renewable energy to match 100% of the University's electricity demand, and
4. Beginning the transition of BU's fleet of vehicles to electric

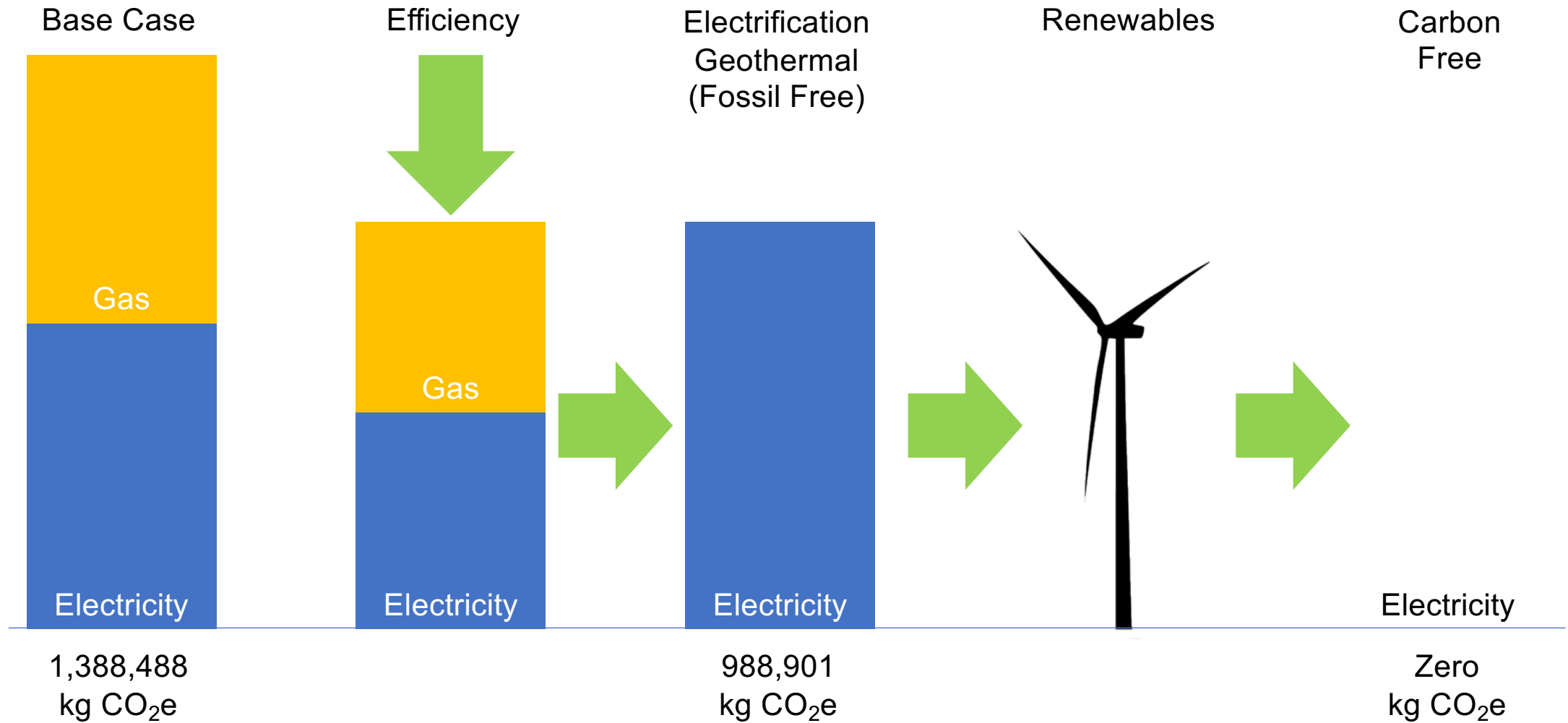
CENTER FOR COMPUTING & DATA SCIENCES

Center for Computing & Data Sciences
Illustration: KPMB Architects



NET-ZERO DIRECT EMISSIONS

CARBON FREE BUILDING – ACHIEVING A CARBON FREE CENTER FOR COMPUTING & DATA SCIENCES



NET-ZERO DIRECT EMISSIONS

GEOHERMAL WELL DRILLING



Geothermal well drilling for the Center for Computing & Data Sciences. September 2019.
Photo: Dave Green Photography.

NET-ZERO DIRECT EMISSIONS

RENEWABLE ENERGY



Photos and video by Lock & Key for ENGIE

NET-ZERO DIRECT EMISSIONS

LEED GOLD – DAHOD ALUMNI CENTER



Photo: Cydney Scott

LEED GOLD – MYLES STANDISH HALL



Photo: Chuck Choi for MDS/Miller Dyer Spears

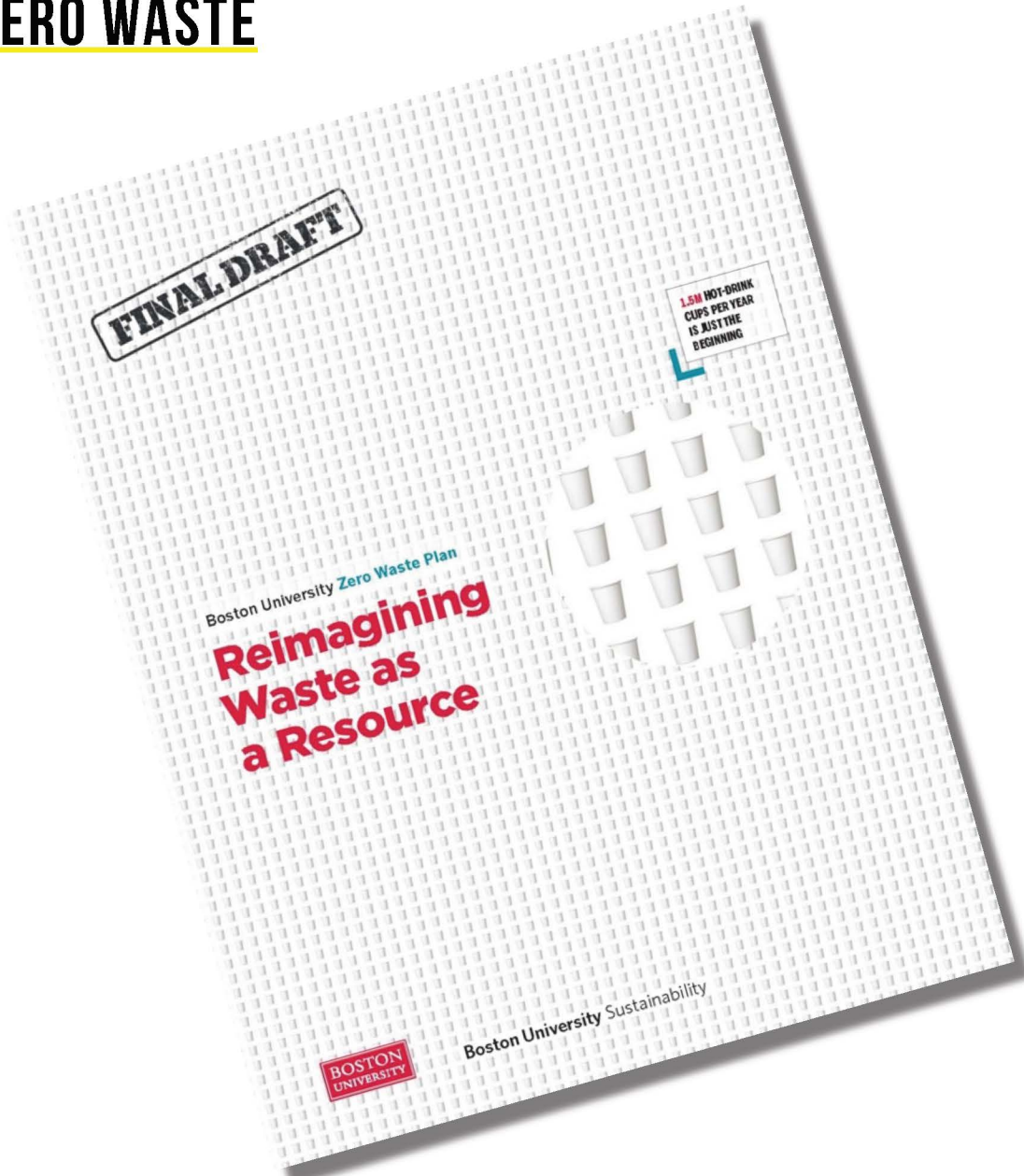
ELECTRIC FLEET



Photo: Creative Commons 2.0

INDIRECT EMISSIONS

ZERO WASTE



AIR TRAVEL



Photo: Creative Commons Attribution-Share Alike 3.0 Unported license.

CURRICULUM

&

RESEARCH

Faculty and staff gather to explore opportunities to collaborate on climate change and sustainability curriculum. January 2020. Photo: Dave Green Photography.

CURRICULUM & RESEARCH

SUSTAINABILITY CURRICULUM



Faculty and staff gather to explore opportunities to collaborate on climate change and sustainability curriculum. January 2020. Photo: Dave Green Photography

CAMPUS CLIMATE LAB



Wiley Hundermark (CAS'20) conducts research to measure greenhouse gas emissions associated with BU campuses. Photo: Cydney Scott for Boston University Photography

Boston University Center for Computing & Data Sciences

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LEADERSHIP

Mayor Martin J. Walsh joins BU leaders at the Center for Computing & Data Sciences groundbreaking.
December 2019. Photo: Cydney Scott for Boston University Photography.



LEADERSHIP

Mayor Martin J. Walsh signs Executive Order that all new municipal buildings will be carbon free.
December 2019. Photo: Dennis Carlberg.

LEARNING **FROM** **COVID-19**

SUSTAINABILITY
CLIMATE CHANGE &
RESILIENCE

