# Sustainability Advisory Committee Meeting

Metro Nashville Updates

July 28, 2022

Kendra Abkowitz & Laurel Creech

# Solar Feasibility Assessment

- Evaluation of Metro property locations well suited for solar installations
- 328 visits complete (as of July 22); 73 remaining
- Site summaries being compiled; beacon projects identified
- Multiple rounds of departmental review
- Cost benefit analysis and report with tiers
- Lease agreement or capital purchase option

# Metro Facility Energy Benchmarking

## EnergyStar Benchmarking Metrics CY 21 (as of 7/28)

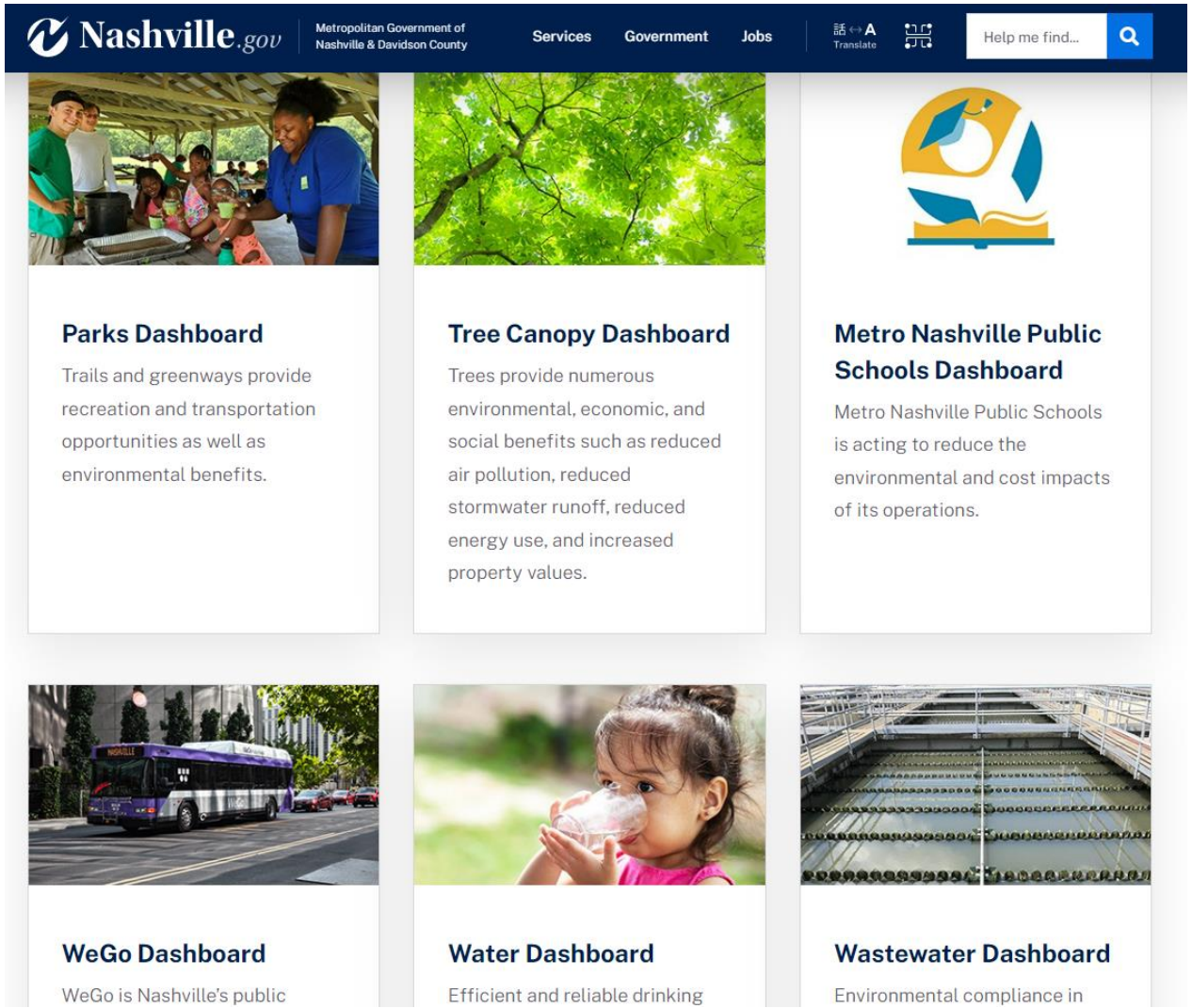
| | |
|---|---|
| **Total # of Metro Facilities** | 370 |
| **Total # of Energy Meters** | 981 |
| **Total # of Meter Data Entries** | 13,197 |
| **Total Sq Ft** | 20,059,315 |
| **Total Energy Costs** | $38,610,029.95 |

***Reflective of Raw Data; no QA/QC.**

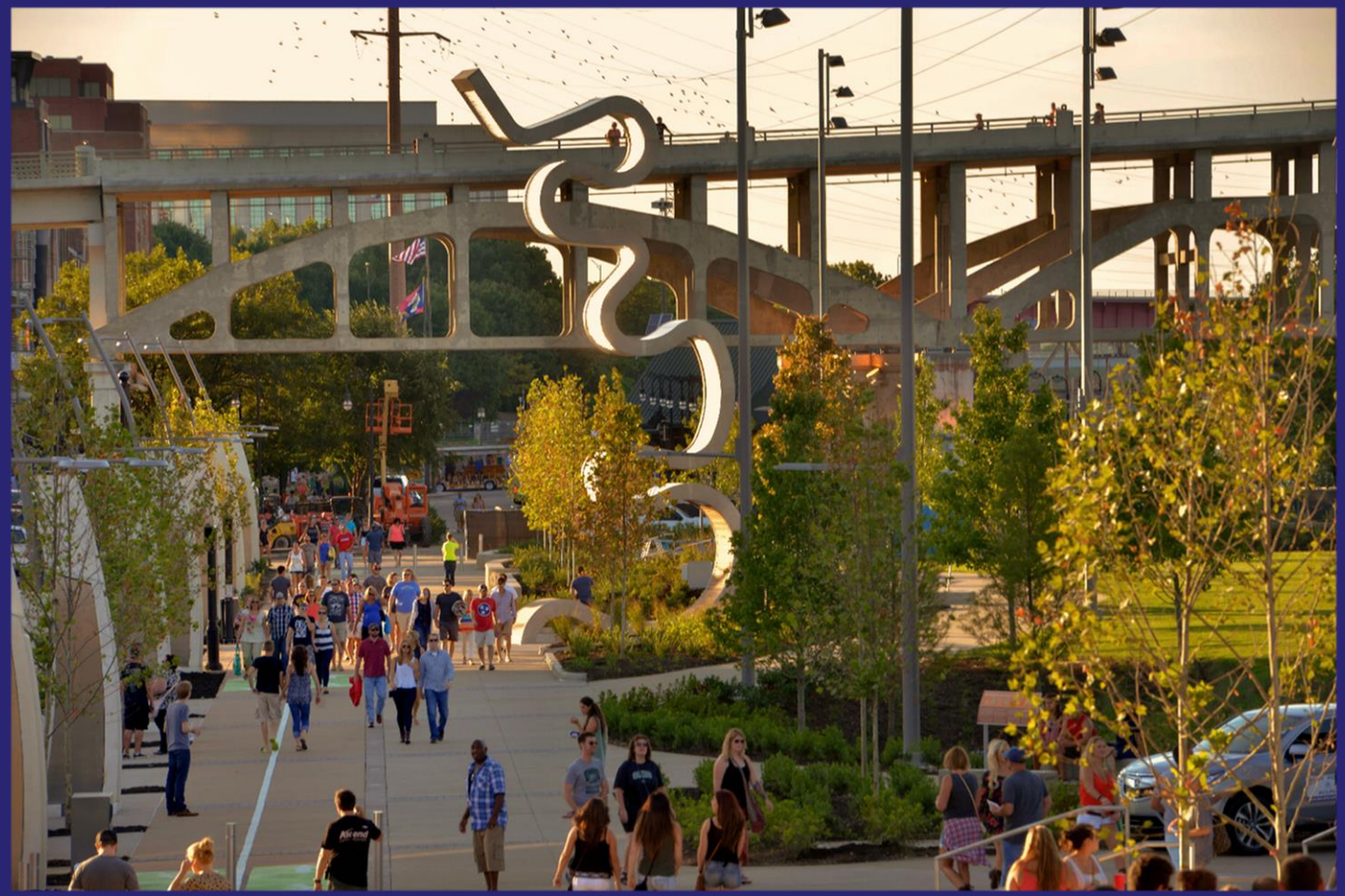
****Data represents approximately 30-40% of real estate portfolio.**

- Benchmarking allows measurement of energy performance of a single building over time relative to other similar or reference buildings
- Supports greenhouse gas emissions targets and requirements in ordinance

# Environmental Dashboard




https://www.nashville.gov/departments/mayor/sustainability-resilience-environment/environmental-dashboard



# *2019 Greenhouse Gas Emissions Inventory*

## *Laurel Creech*

# History of Nashville's GHG Inventories

## 2009: Mayor's Climate Protection Agreement

**2005 & 2011 GHG Inventories**

## 2014: Compact of Mayors

**2014 GHG Inventory**


## 2015: Global Covenant of Mayors

**GHG Wedge Analysis**

**2017 GHG Inventory**


## 2021: Climate Action Report

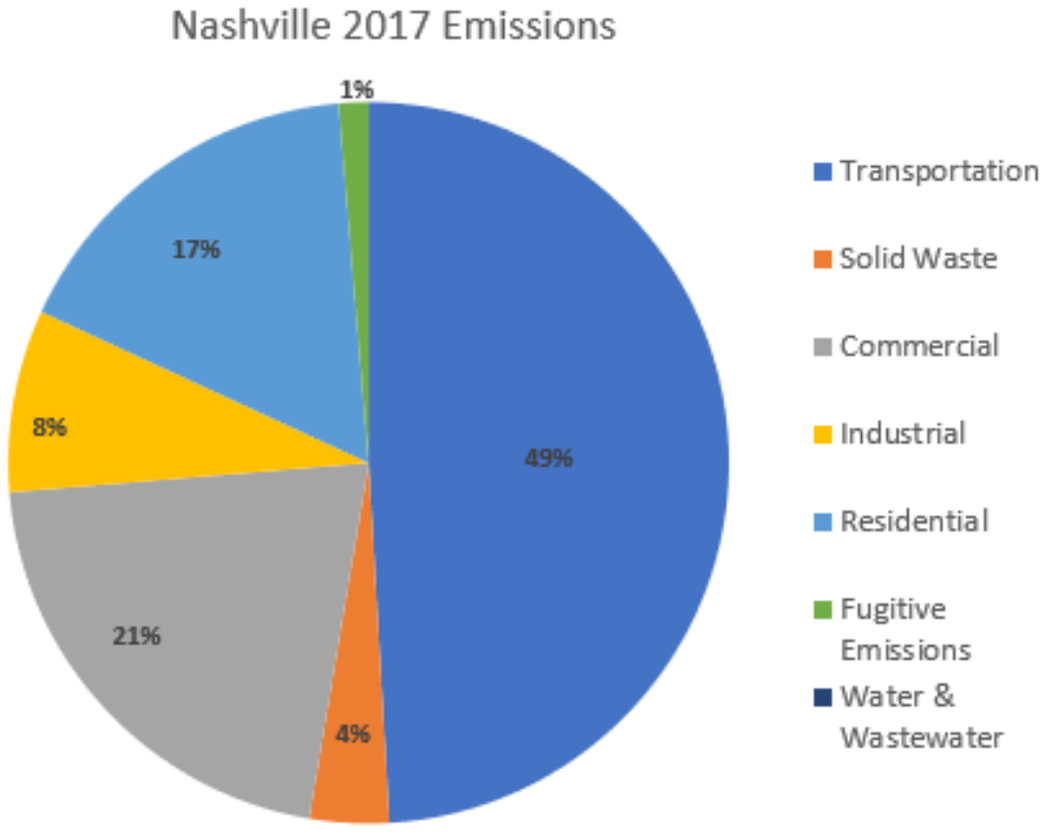
**GHG Goals: 80% reduction X 2050**

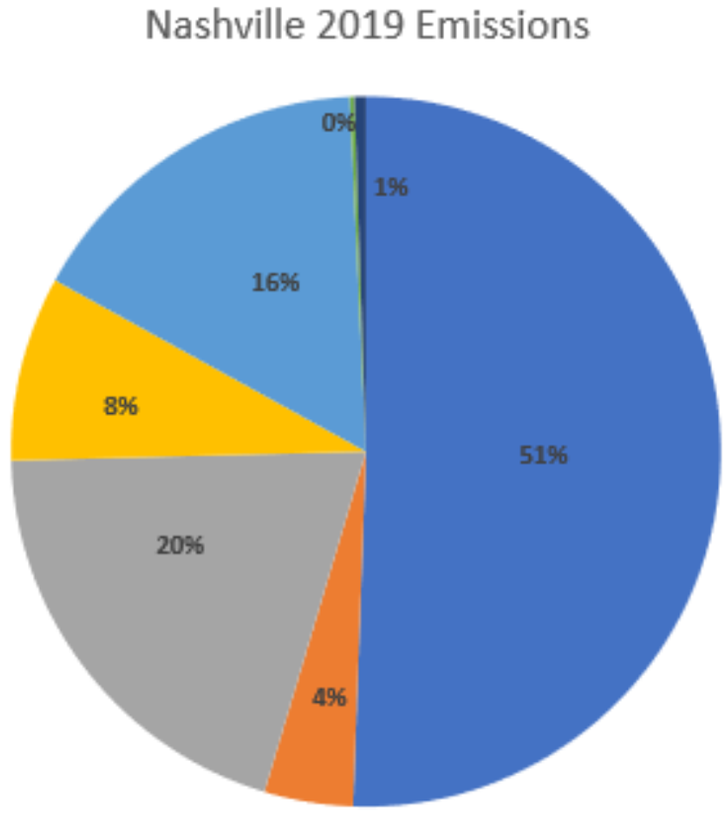
**2019 GHG Inventory**

# Community GHG Emissions Comparisons

| CO2e Emissions Comparisons of 2005, 2011, 2014, 2017 & 2019 Community GHG Inventories | | | | | |
|---|---|---|---|---|---|
| **Community Inventories** | | | | | |
| **Sectors** | **2005** | **2011** | **2014** | **2017** | **2019** |
| *Transportation & Mobile Sources* | 4,673,831 | 4,489,677 | 5,015,806 | 5,610,743 | 5,694,132 |
| *Solid Waste* | 722,897 | 342,791 | 530,723 | 406,068 | 454,903 |
| *Commercial Energy* | 3,969,299 | 3,723,787 | 3,003,329 | 2,407,955 | 2,248,302 |
| *Industrial Energy* | 1,599,172 | 1,365,688 | 992,843 | 934,431 | 946,508 |
| *Residential Energy* | 3,425,508 | 3,323,045 | 2,604,297 | 1,919,763 | 1,830,724 |
| *Process & Fugitive Emissions* | - | - | 105,427 | 151,791 | 24,220 |
| *Water & Wastewater* | - | - | - | - | 57,755 |
| **Total CO2e Emissions (metric tons)** | **14,390,707** | **13,244,988** | **12,252,425** | **11,430,751** | **11,256,544** |
| ***Community emissions per person*** | 26.17 | 20.84 | 18.33 | 16.54 | 16.22 |

# Community GHG Emissions Comparisons



# Community GHG Emissions Comparisons

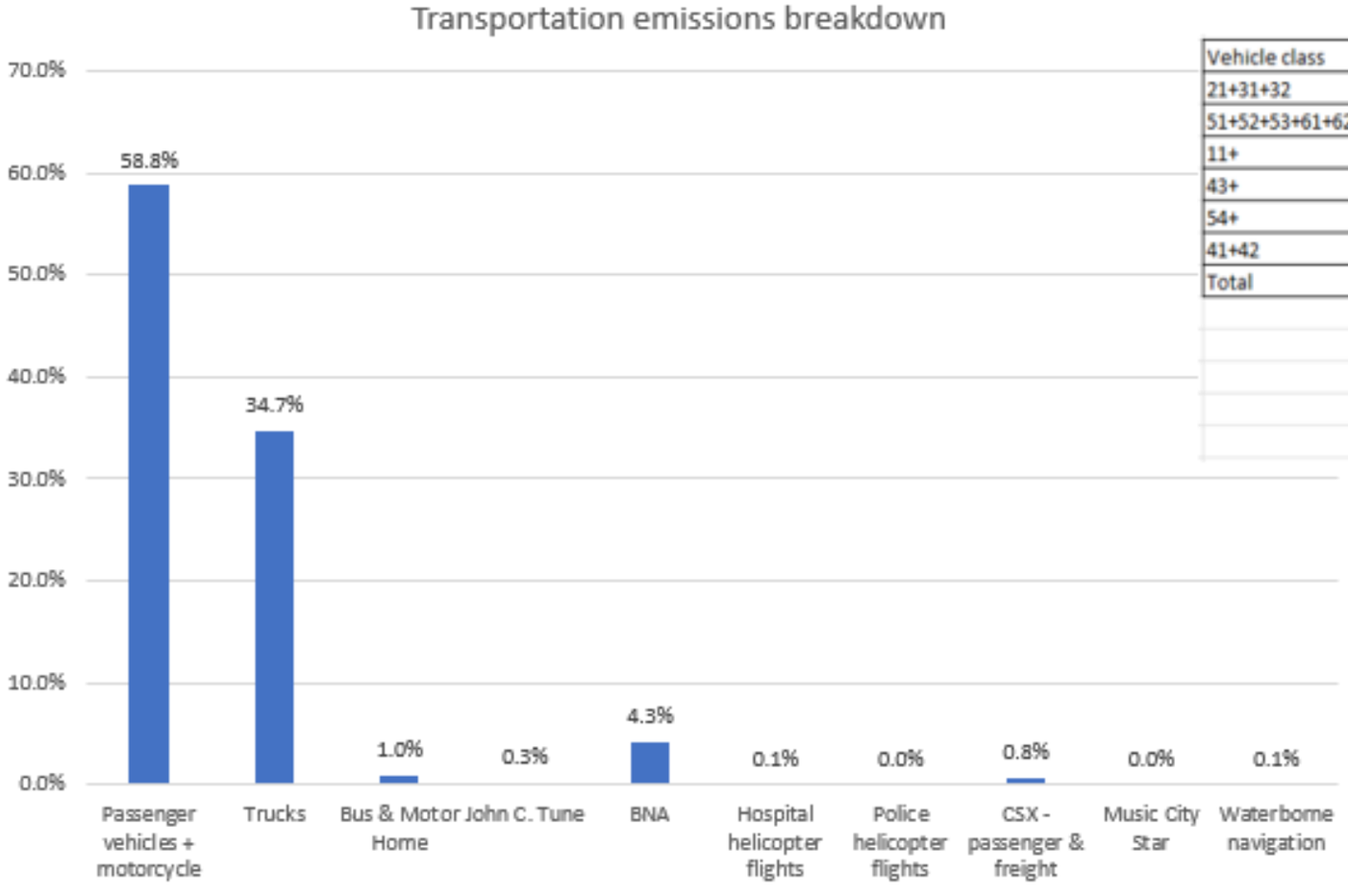
## Electricity kWh

| | 2014 | 2017 | 2019 |
|---|---|---|---|
| Residential | 4,243,333,464 | 3,792,104,680 | 4,108,406,229 |
| Commercial | 5,318,818,523 | 5,298,729,847 | 5,534,812,601 |
| Industrial | 1,047,868,177 | 1,051,145,295 | 896,059,458 |
| Total | 10,610,020,164 | 10,141,979,822 | 10,539,278,288 |

## Natural Gas decatherms

| | 2014 | 2017 | 2019 |
|---|---|---|---|
| Residential | 10,557,668 | 7,675,375 | 7,408,135 |
| Commercial | 6,884,781 | 5,161,238 | 6,182,429 |
| Industrial | 9,264,313 | 9,401,128.3 | 11,753,939 |
| Total | 26,706,762 | 22,237,742 | 25,344,503 |

# Community GHG Emissions Comparisons



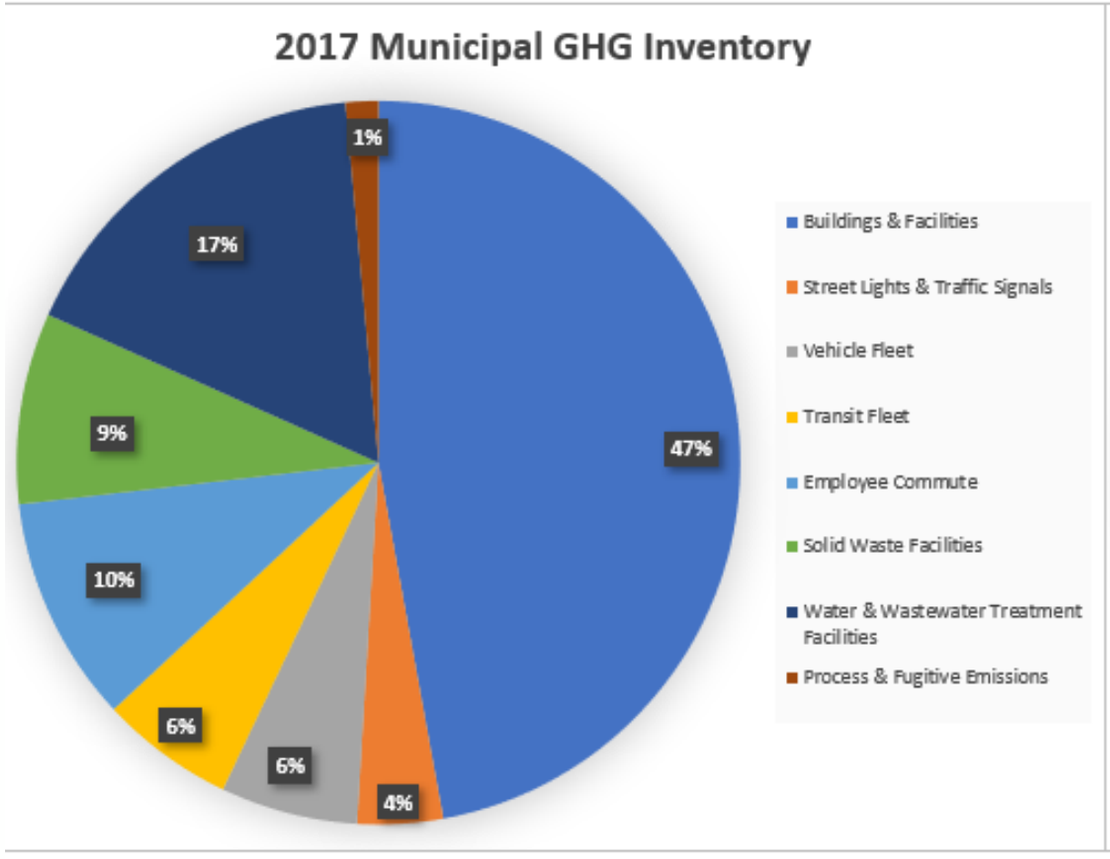

| Vehicle class | Population | Sources |
|---|---|---|
| 21+31+32 | 523,787 | metro |
| 51+52+53+61+62 | 10,193 | tdot |
| 11+ | 9,662 | metro |
| 43+ | 834 | tdec |
| 54+ | 573 | tdot |
| 41+42 | 3,513 | metro |
| Total | 548,562 | |

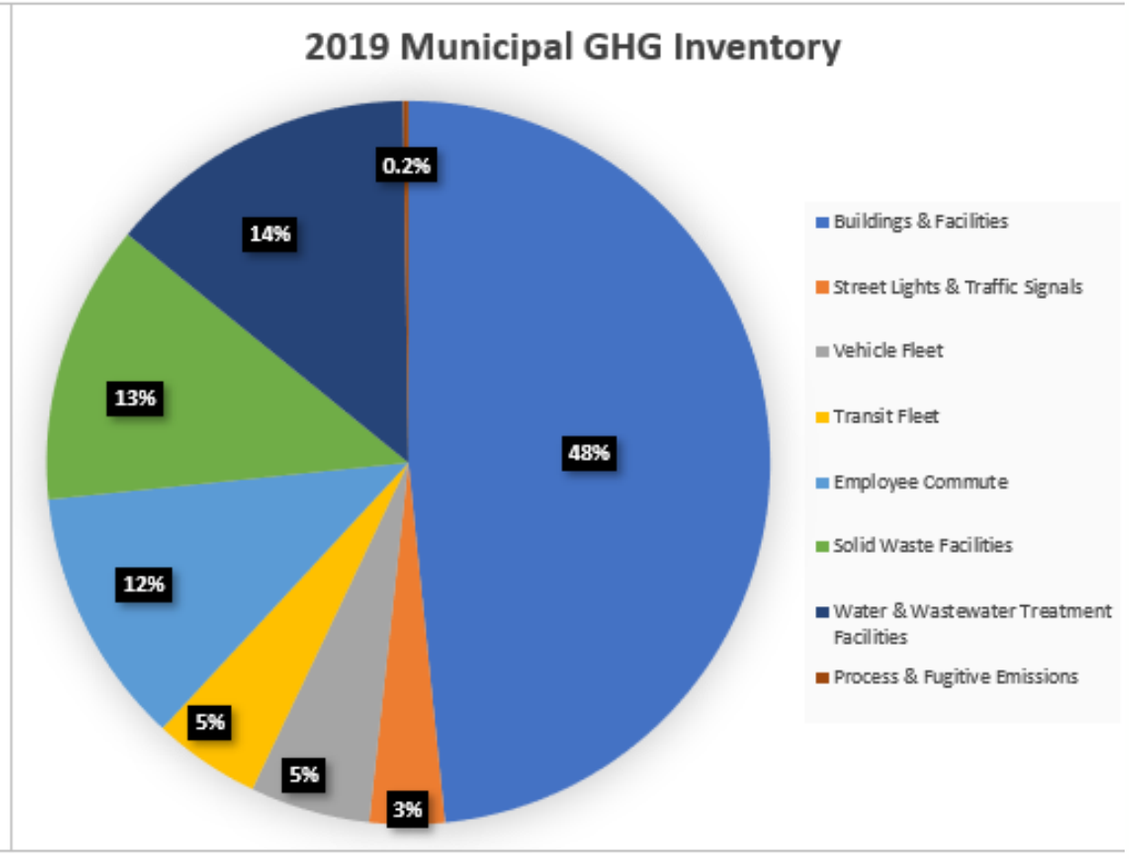
21 Passenger Car
31 Passenger Truck
32 Light Commercial Truck
51 Refuse Truck
52 Single Unit Short-haul Truck
53 Single Unit Long-haul Truck
61 Combination Short-haul Truck
62 Combination Long-haul Truck
11 Motorcycle
41 Intercity Bus
42 Transit Bus
43 School Bus
54 Motor Home

# Municipal GHG Emissions Comparisons

| CO2e Emissions Comparisons of 2005, 2011, 2014, 2017, & 2019 Municipal GHG Inventories | | | | | |
|---|---|---|---|---|---|
| | Municipal Inventories | | | | |
| **Sectors** | **2005** | **2011** | **2014** | **2017** | **2019** |
| *Buildings & Facilities* | 282,436 | 253,846 | 334,030 | 268,015 | 275,835 |
| *Street Lights & Traffic Signals* | 3,306 | 80,332 | 28,313 | 21,723 | 19,115 |
| *Vehicle Fleet* | 75,805 | 51,382 | 41,088 | 34,835 | 30,571 |
| *Transit Fleet* | - | - | 34,096 | 34,060 | 27,327 |
| *Employee Commute* | 99,227 | 54,663 | 20,731 | 57,432 | 65,471 |
| *Solid Waste Facilities* | 100,507 | 90,859 | 81,224 | 48,590 | 71,198 |
| *Water & Wastewater Treatment Facilities* | 139,403 | 143,072 | 114,819 | 95,723 | 79,244 |
| *Process & Fugitive Emissions* | 48 | 1,422 | 5,979 | 8,299 | 1,319 |
| **Total CO2e Emissions (metric tons)** | **700,732** | **675,576** | **660,280** | **568,677** | **570,080** |

# Municipal GHG Emissions Comparisons



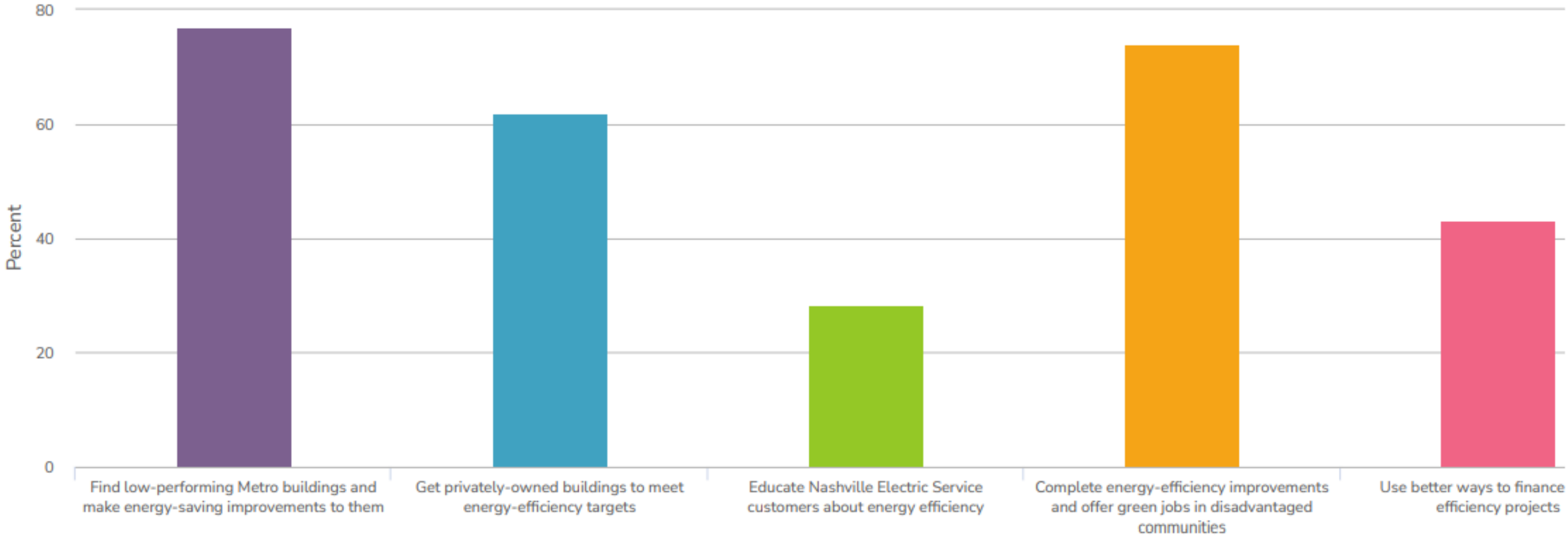



# TAKE THE CLIMATE ACTION PLAN SURVEY!

## Share your priorities for key sustainability categories

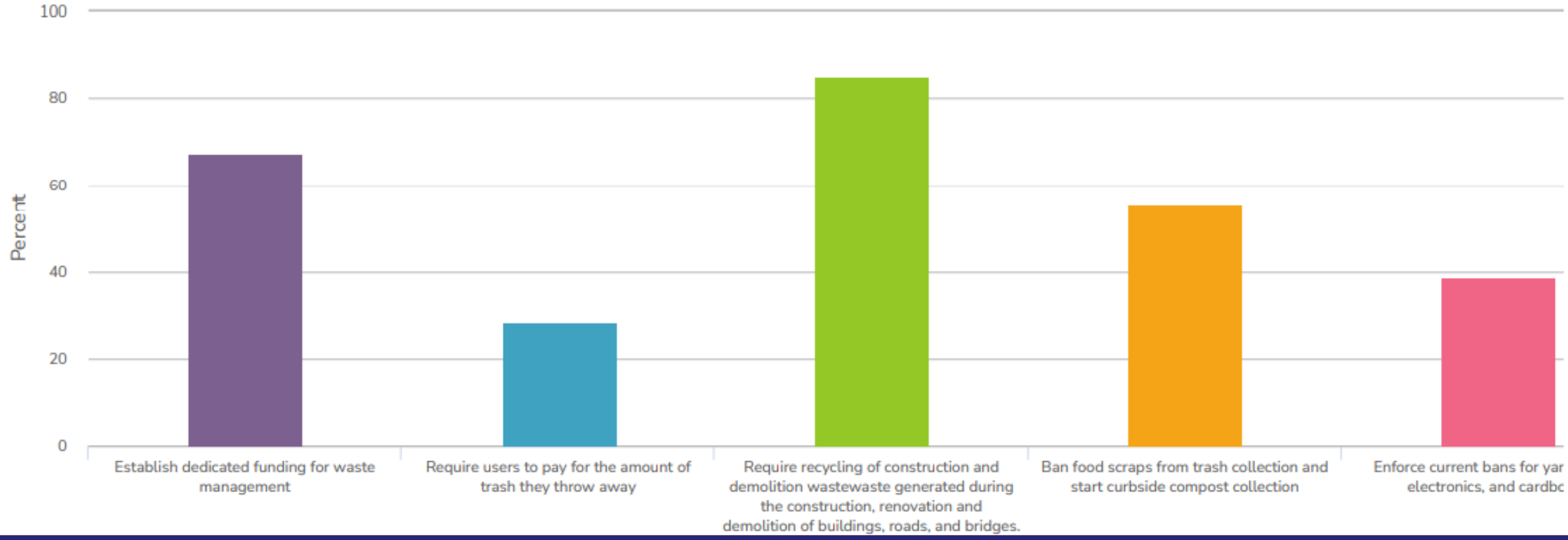
# Survey Question Results

1. Save energy in buildings Gas and electricity use in buildings accounts for 46% of Nashville's greenhouse gas emissions. Energy Efficiencyusing less energy to get the same job done – and in the process, cutting energy bills and reducing pollution measures and new technology can save energy. Please choose the 3 most important actions the City should take in this area:



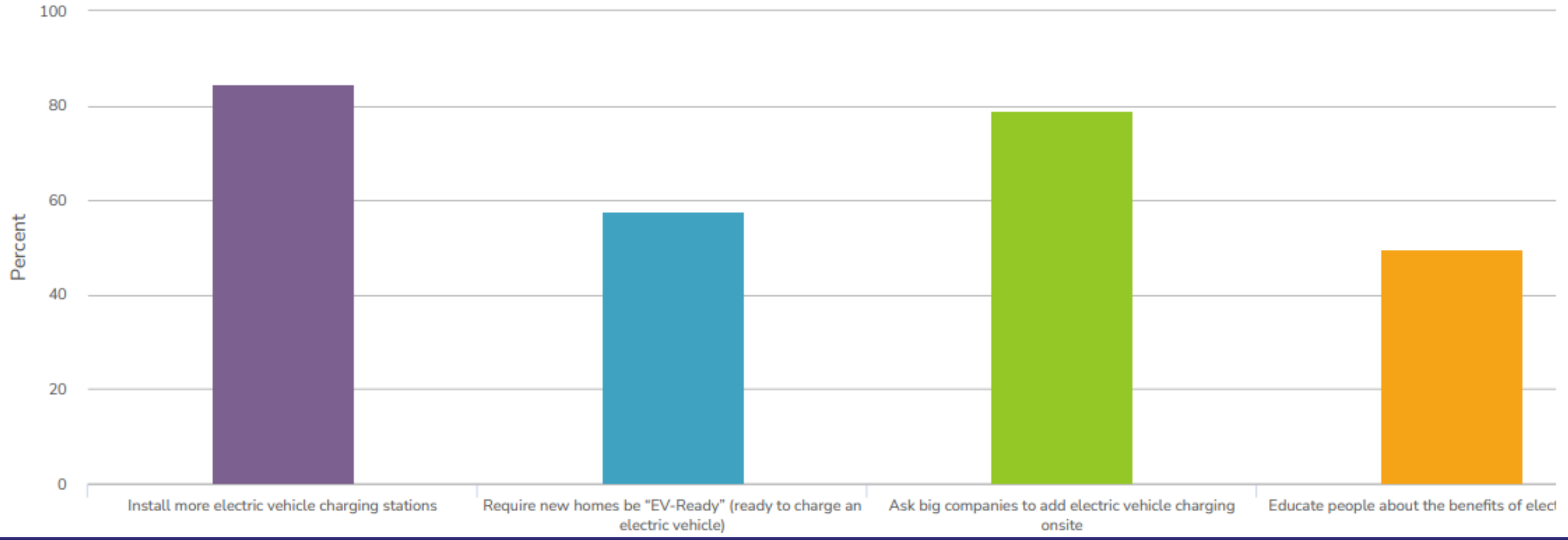
# Survey Question Results

3. Reduce landfill trash Trash sent to the landfill makes up 4% of the community's carbon footprint. Reducing food waste sent to the landfill and increasing recycling reduces greenhouse gas emissions. Please choose the 3 most important actions the City should take in this area:



# Survey Question Results

4. Electrify motor vehicles Transportation makes up 49% of Nashville's greenhouse gas emissions. Electric vehicles can help reduce this pollution. Please choose the 3 most important actions the City should take in this area:



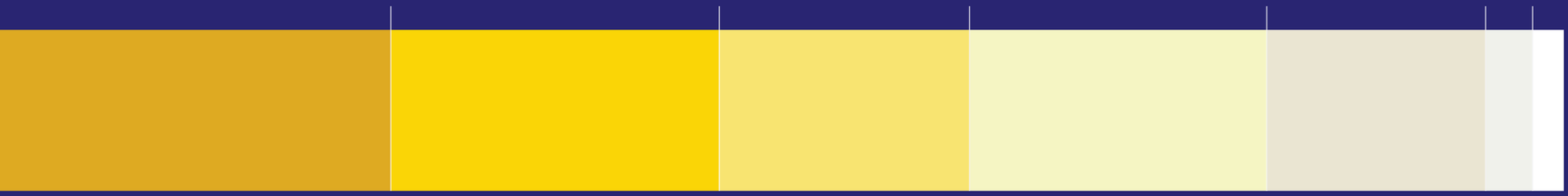
# Demographics

## Gender

Female: 59.2% Male: 34% Prefer not to answer: 5.1% Non Conforming: 1.1% Not listed: 0.4% Trans Female: 0.1%

## Race

White: 84.1% Black: 6.7% Hispanic: 3.4% Other: 2.4% Asian: 2.1% Native Hawaiian | Pacific Islander: 0.5%



## Income

$150,000 >: 25.3% $100,000-149,999: 21.5% $75,000-99,999: 15.6% $50,000-74,999: 18.7% $25,000,49,999: 14.3% $10,000-24,000: 3% $0-9,999: 1.5%

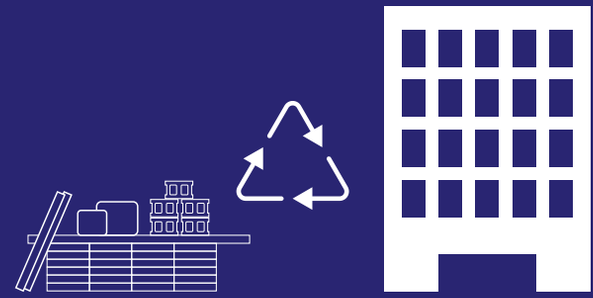
# Highlights

1. People want action, not words
2. Nashville is eager for EV's
3. People need help to be more sustainable
4. Businesses should lead the way

## Top Priorities

EV Charging Stations

Public Transit Upgrades



Recycle Construction Material

# Highlights

## Electric Vehicles

When asked how to pay for charging stations, **79.8%** responded with they would like to ask big companies to add EV charging onsite

## Transit

When asked about reducing vehicle miles traveled, dedicated funding for **public transit** came in first over parking/commuter programs and bike lanes

## Recycling

When asked how to reduce landfill waste, **85.2%** supported requiring recycling construction and demolition waste

# Barriers | Opportunities

## Green Products

**76.7%** stated that one of the biggest barriers with “going green” is that sustainable products are too expensive

## Action over Education

When asked about saving energy, educating NES customers about efficiency was the least popular option, with only **28.4%** even ranking it

# Thank you!

**Laurel Creech**
**laurel.creech@nashville.gov**

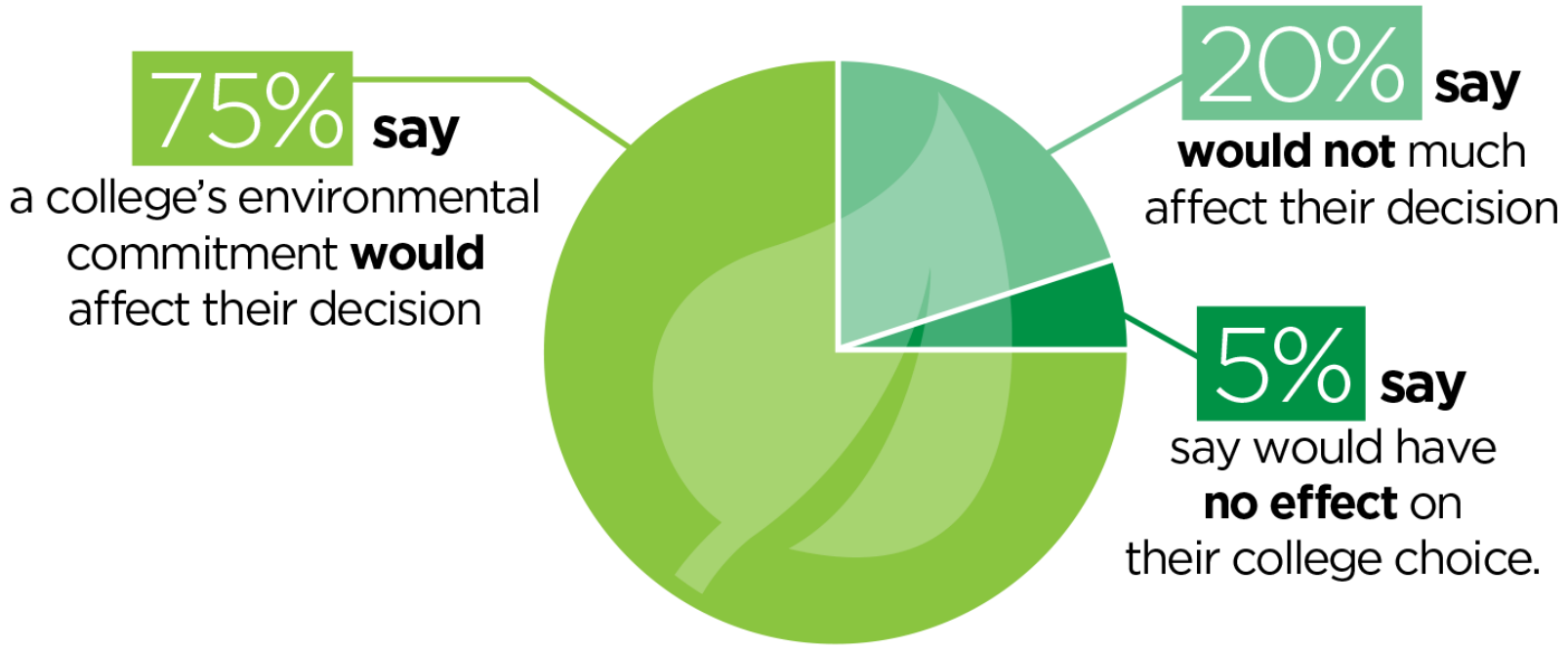

# VANDERBILT SUSTAINABILITY BRIEF OVERVIEW

July 28, 2022

VANDERBILT UNIVERSITY

# GOING GREEN

## STUDENTS' COLLEGE PREFERENCES LINKED TO SUSTAINABLIITY




https://www.princetonreview.com/college-rankings/college-hopes-worries , 2021



VANDERBILT UNIVERSITY

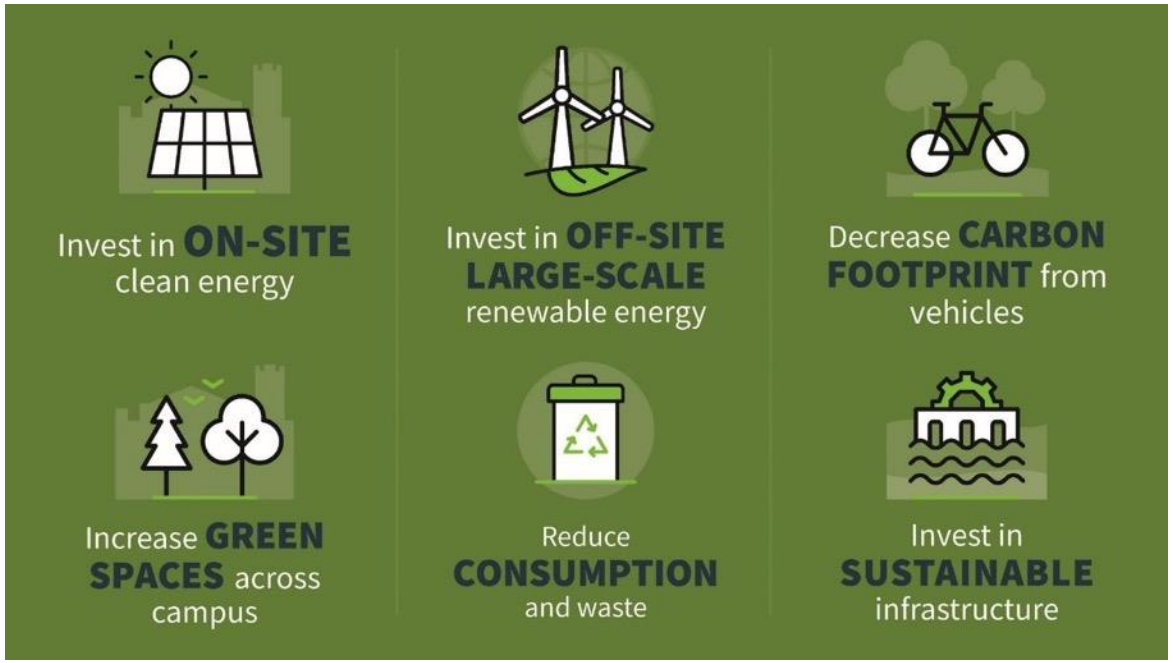
# WE'VE BEEN DOING A LOT…

| | |
|---|---|
| 2000 | • Environmental Advisory Committee formed<br>• Recycling program launched |
| 2007 | • First University in Tennessee to receive LEED building certification |
| 2008 | • First VU annual greenhouse gas report<br>• Sustainability Office launched |
| 2009 | • First VU environmental commitment statement |
| 2010 | • First Earth friendly move-in days<br>• First green commencement (saved 25k bottles) |
| 2011 | • VU Green Fund established<br>• First on-campus solar installation |
| 2014 | • Coal plan converted to natural gas |
| 2017 | • FutureVU campus master plan finalized |
| 2018 | • Future VU working groups established on large scale renewables and energy |
| 2019 | • VU announces carbon neutrality goal<br>• MoveVU mobility plan finalized<br>• First WELL certified building in Tennessee |
| 2020 | • Green Invest program with TVA/NES created<br>• First large-scale renewable energy deal<br>• VU announces zero waste goal |
| 2021 | • Second large-scale renewable energy deal<br>• Climate Vault collaboration to offset VU carbon footprint |

VANDERBILT UNIVERSITY

# AND WE PLAN TO DO MORE…

VANDERBILT WILL POWER ITS CAMPUS ENTIRELY THROUGH **RENEWABLE ENERGY** AND COMMITS TO **CARBON NEUTRALITY by 2050**

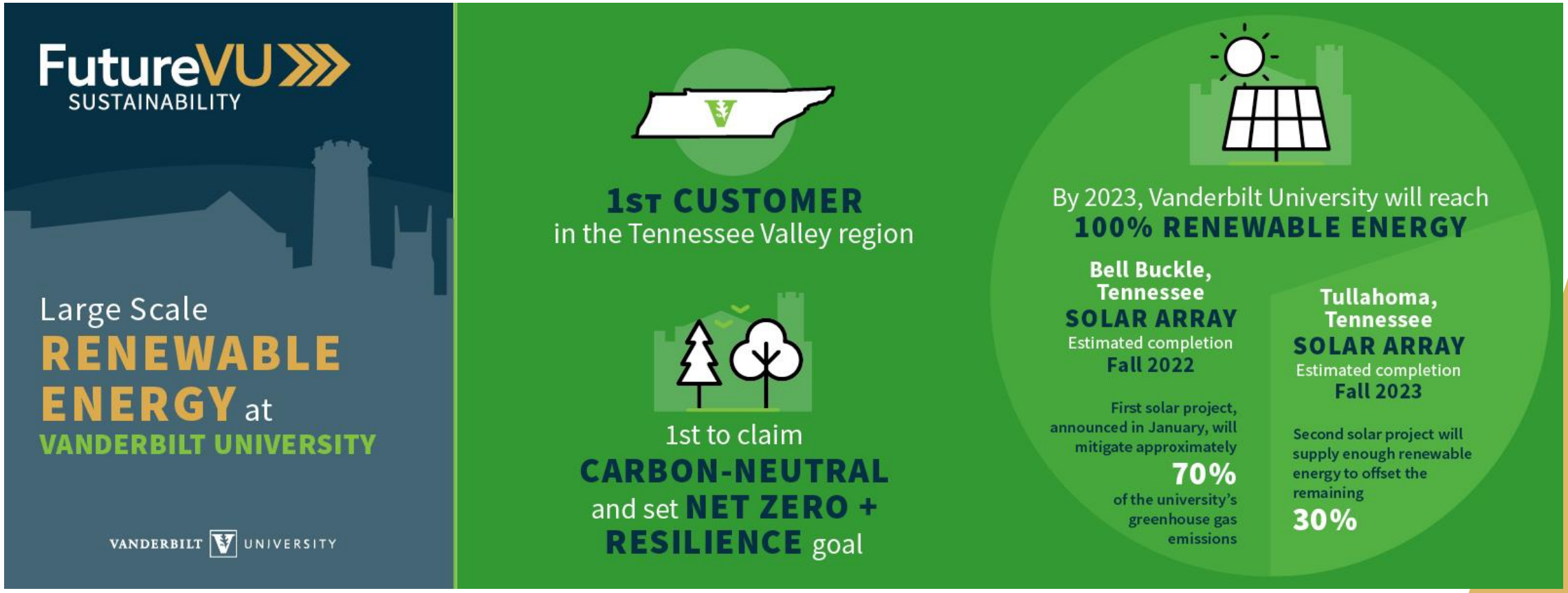



**ZERO WASTE BY 2030**


VANDERBILT UNIVERSITY

# WHAT ARE WE DOING ON ELECTRICITY?

## INVESTING IN OFF-SITE LARGE-SCALE CLEAN ENERGY




**Large scale renewable (solar) energy will eliminate 25% of Vanderbilt's greenhouse gas footprint by 2023!**

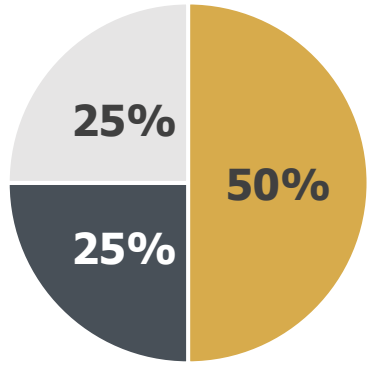
VANDERBILT UNIVERSITY

# WHAT ARE WE DOING ON BUILDINGS AND CAMPUS?

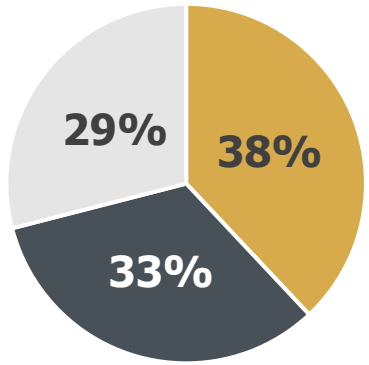
## INCREASE CAMPUS GREEN SPACE

**GOAL: Increase green space to 50%** or more in each campus neighborhood

### CAMPUS-WIDE TARGET




### FY2021




## SUPPORTING ACTIONS

- Develop a **greenway network**
- Developed a **Landscape Master Plan**
- Improve **storm water management**
- **Reduce water consumption** through smart irrigation
- Implement **additional green roofs** on campus

## AN EXAMPLE OF OUTDOOR SPACE TRANSFORMATION




### Landscape Strategic Plan

# WHAT ARE WE DOING ON BUILDINGS AND CAMPUS?

## LEED GOLD BUILDINGS


Commons Center


Stambaugh House


Hank Ingram House


Commons Center 3rd Floor Build-Out


VANTAGE Lab


Warren and Moore Colleges


Murray House


Central Library


Alumni Hall


Engineering and Science Building


Eskind Biomedical Library


E. Bronson Ingram

## LEED SILVER BUILDINGS


Crawford House


Sutherland House


Gillette House


Benson Hall


Library Archives


Vanderbilt Recreation and Wellness Center


Divinity School

## CERTIFIED


Chef James Bistro


Vanderbilt Health 100 Oaks

## LEED

- High-performance **sustainable buildings**
- **24 LEED Certified** buildings on campus

## WELL

- **1 building designed to achieve WELL certification** (certification pending) and opened in FY2019

## LIVING BUILDING

- The **LBC** is a green **building certification program** and **sustainable design framework.**
- **1 building designed to achieve PETAL certification** (certification pending) and opened in FY2020


Vanderbilt News

Vanderbilt receives leadership award from U.S. Green Building Council

by Ann Marie Deer Owens Nov. 13, 2020, 9:57 AM

Vanderbilt University has been honored with a 2020 Leadership Award from the U.S. Green Building Council for the institution's achievements in green building and its commitment to creating a healthy, sustainable future.

**Canopy**

**6,091**

Trees on Campus

**Bioretention**

**25**

Stormwater management units on campus

**Green Roofs**

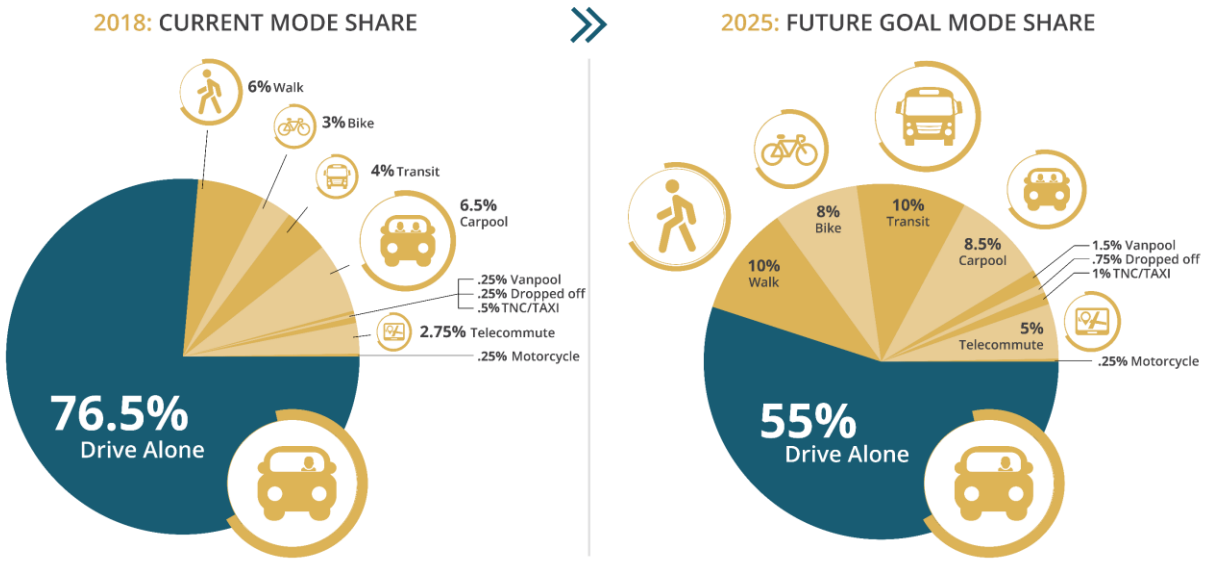
**6**

Green roofs on campus

# WHAT ARE WE DOING ON MOBILITY?

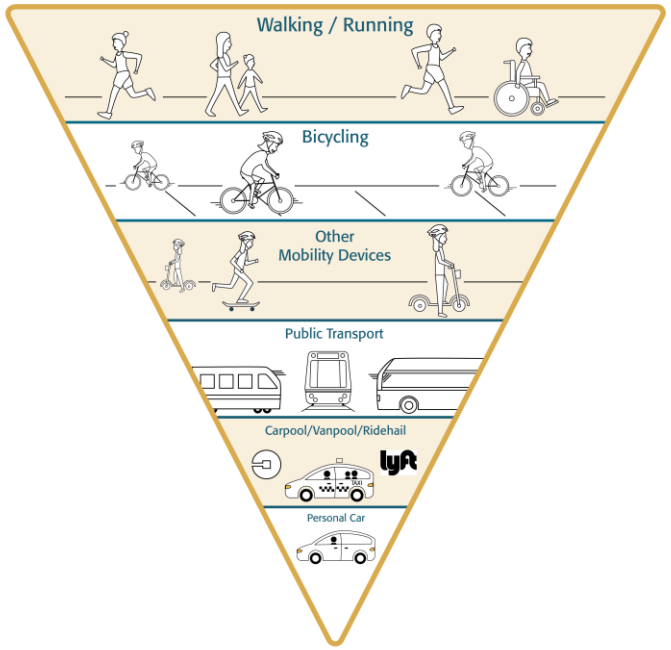
## Goal 1: Reduce drive alone rate from 76.5% to 55% by 2025

### Shift mode share and enhance sustainable commute options




## Goal 2: 80% of campus trips done by walking and bicycling

### Create a walker's paradise accessible by public transit




## Impacts to the Future of Parking & Cities

Self-driving cars

Internet of things

Millennials

Smart Cities

Data analytics

Rideshare


## Goal 3: Electrify the VU Fleet by 2030

VANDERBILT UNIVERSITY

# WHAT ARE WE DOING ON WASTE?

## ZERO WASTE BY 2030


**Goal 1:** 30% Waste Generation reduction from 2017 levels by 2030.

**Goal 2:** Achieve Zero Waste (90% diversion from landfill) by 2030

**SUPPORTING ACTIONS**

- End institutional single-use plastic purchases by 2025, except in laboratories*; and
- Expand food waste collection to include all dining areas & residential halls by 2025.

## RE-USE OF ALL CAMPUS TREES

## ELIMINATION OF SINGLE-USE PLASTICS

### Efforts will save...

NO. MORE. PLASTIC.

SPEAR
Students Promoting Environmental Awareness & Responsibility

Campus Dining

FutureVU SUSTAINABILITY

**430,000**
plastic bottles per year
-or-
**1.7 million**
during a student's 4 yr experience

## WASTE DIVERSION

**36 Big Belly solar trash compactors**
on campus as of 2021

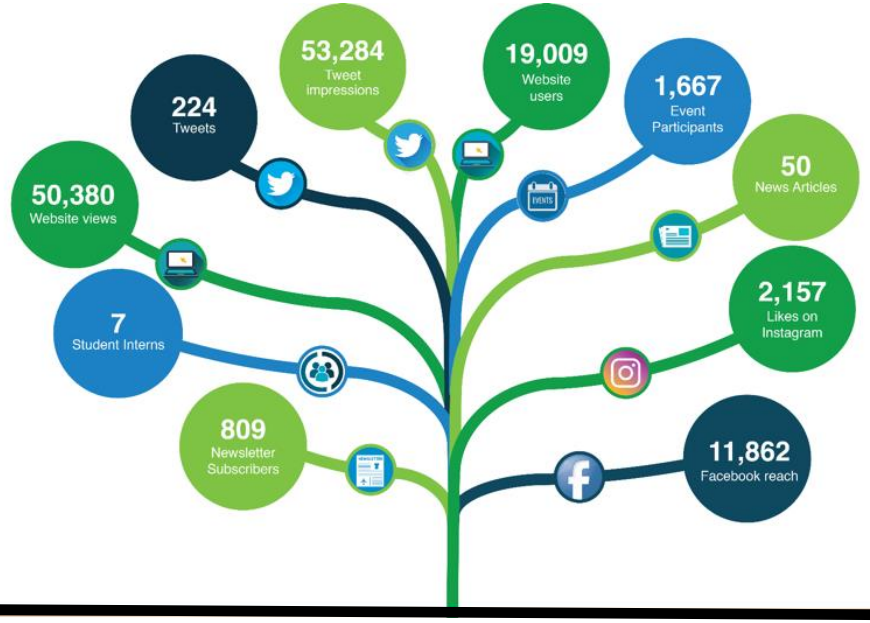
**9 total food waste collection sites**
on campus

**96 tons of food waste**
composted in 2021

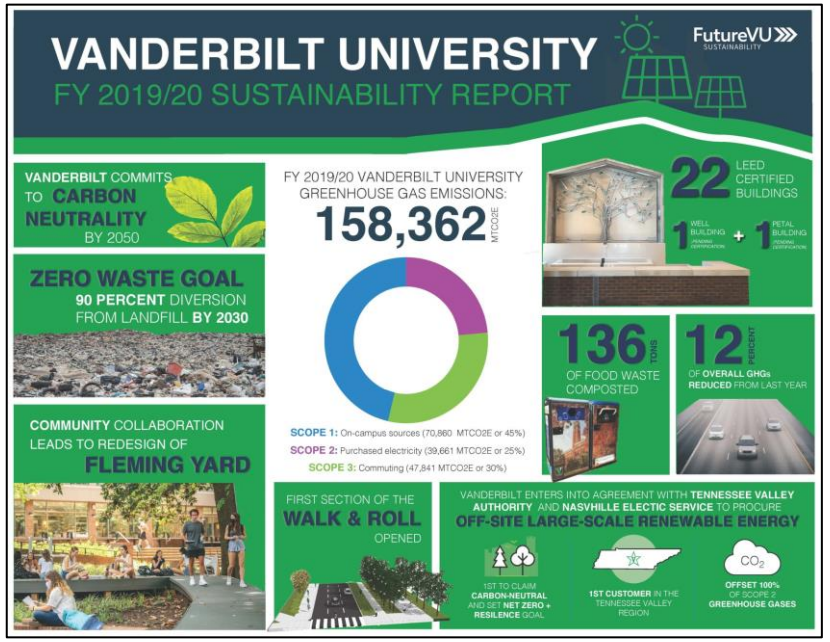
**145 total hydration stations**
on campus

# CAMPUS AND COMMUNITY ENGAGEMENT CREATES TRUST AND TRANSPARENCY

## FutureVU Sustainability Outreach Techniques




## Annual Sustainability Report




## Mayor's Sustainability Advisory Committee

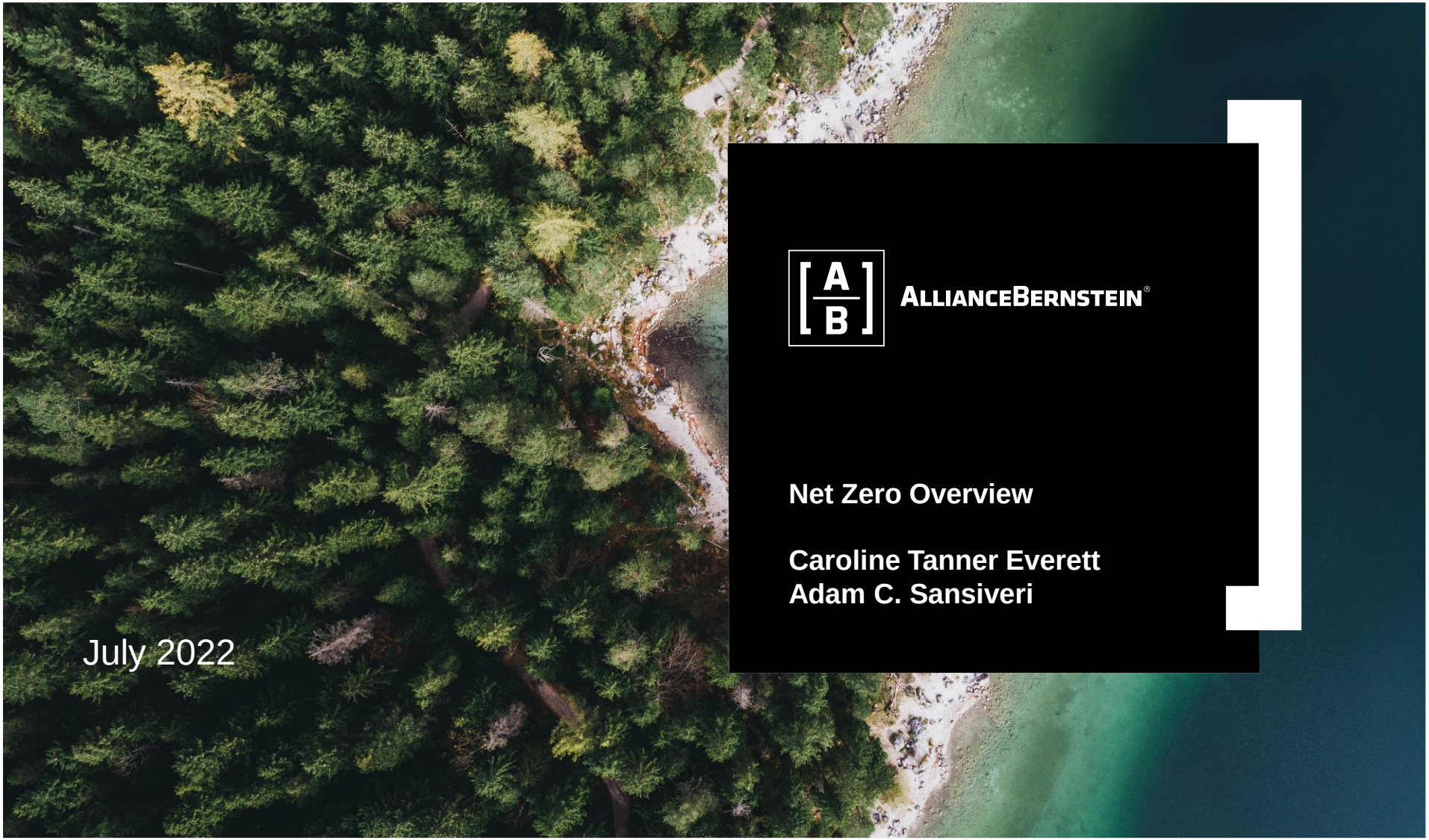
"To advise and support the City's commitment pursuant to the Global Covenant of Mayors to develop a Climate Action Plan for the city of Nashville."

"To review actual sustainability initiatives advanced by the Mayor's Office and by the Metro Council."

**A City-wide Community Effort,**



VANDERBILT UNIVERSITY



AllianceBernstein®

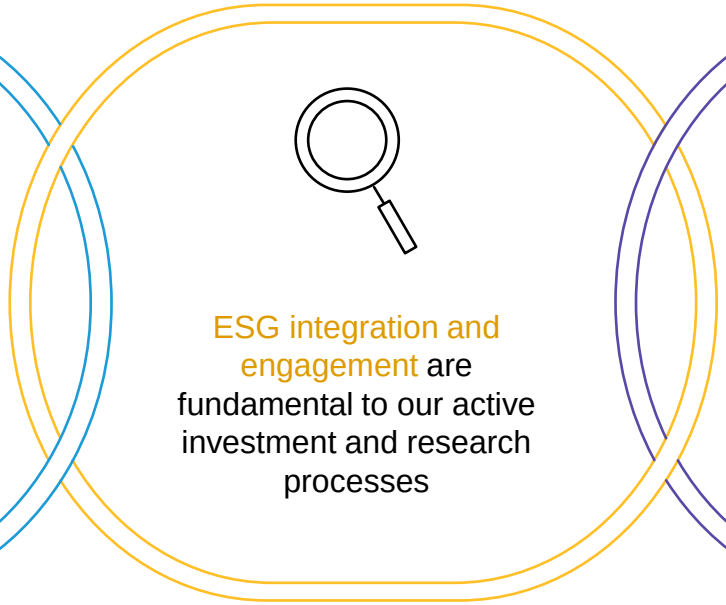
# Net Zero Overview

Caroline Tanner Everett
Adam C. Sansiveri

July 2022

# AB's Approach to Responsibility

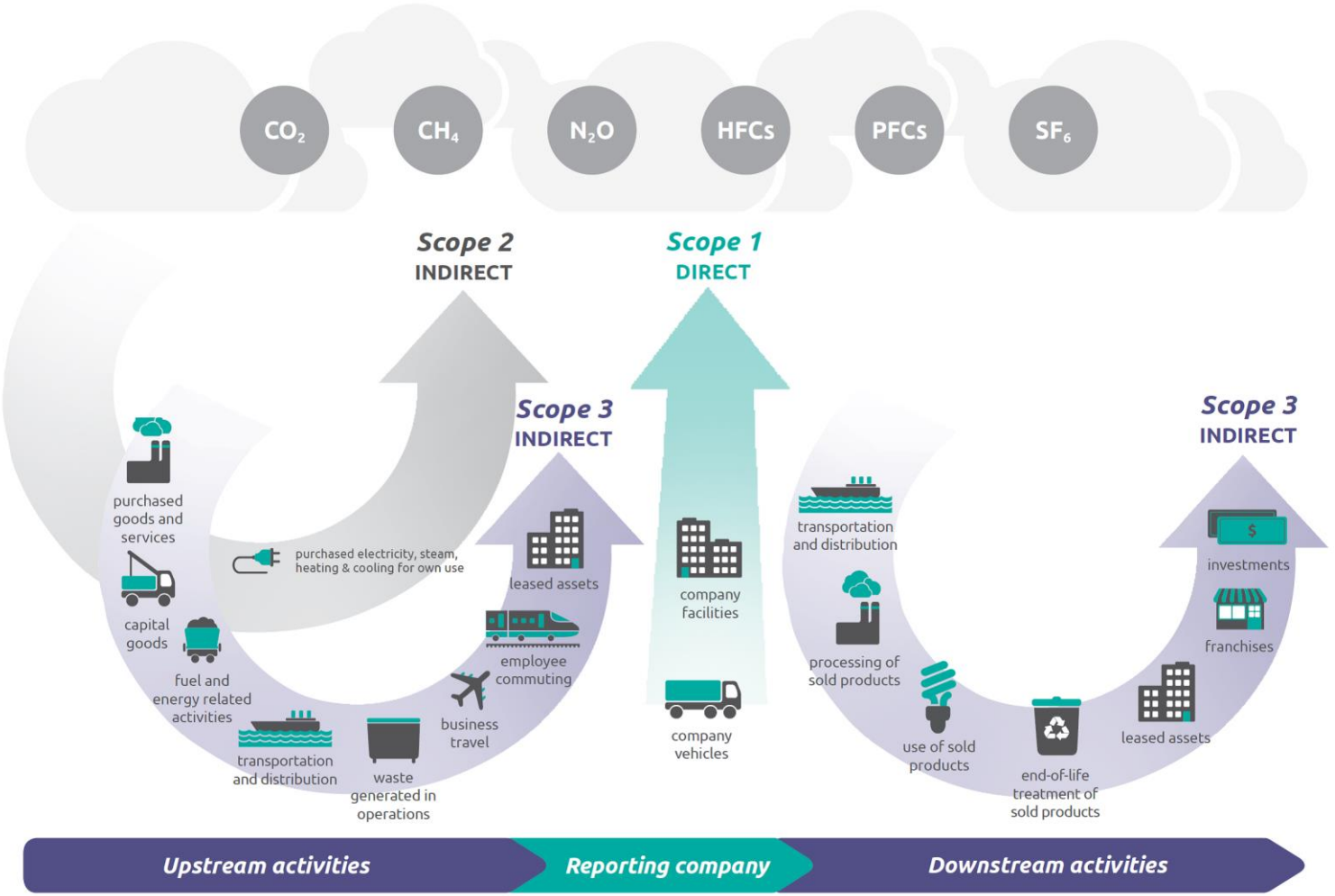
Effective responsible investing must start with an unwavering commitment to being a responsible firm



ESG integration and engagement are fundamental to our active investment and research processes

Leveraging our perspective as a responsible firm and investor, we've designed Portfolios with Purpose to deliver specific ESG-related outcomes

# AB’s emissions come from both our operations and investments




Source: GHG Protocol

# AB’s Net Zero Commitment

Achieve net-zero emissions – **working to align business operations and a range of investment strategies with a 1.5-degree Celsius pathway** – by 2050, in support of the Paris Agreement

# Business Operations Approach

## Relocate to Green Buildings

Locate 85% of employees in green buildings by 2025 (process underway with our move to 501 Commerce in Nashville and will continue with moves in New York and London)

## Purchase Renewable Energy

Analyze and identify options to procure renewable energy for our offices

## Treat Carbon Data like Financial Data

Elevate current accounting and reporting capabilities by implementing data management software and transferring accounting and reporting to finance team

# Investment Approach

## Specific strategies in-scope are to-be-determined

### Issuer Engagement

Engage issuers for insight and action around their own climate action, greenhouse-gas reporting, emissions reduction goals and net zero commitments

### Data-Driven Research and Monitoring

Analyze carbon emissions, carbon intensities, decarbonization metrics and targets, capital expenditure and transition plans, and track the rolling carbon footprints of committed portfolios

### Increasing Climate Finance Exposures

Maintain focus on equity and fixed-income climate-finance investments as appropriate opportunities present themselves (the firm currently invests approximately $6 billion in green bonds, KPI-linked securities and ESG structures as part of this effort.)

# Disclosures and Important Information

**Note to All Readers:** The information contained herein reflects the views of AllianceBernstein L.P. or its affiliates and sources it believes are reliable as of the date of this publication. AllianceBernstein L.P. makes no representations or warranties concerning the accuracy of any data. There is no guarantee that any projection, forecast or opinion in this material will be realized. Past performance does not guarantee future results. The views expressed herein may change at any time after the date of this publication. This document is for informational purposes only and does not constitute investment advice. AllianceBernstein L.P. does not provide tax, legal or accounting advice. It does not take an investor's personal investment objectives or financial situation into account; investors should discuss their individual circumstances with appropriate professionals before making any decisions. This information should not be construed as sales or marketing material or an offer or solicitation for the purchase or sale of any financial instrument, product or service sponsored by AllianceBernstein or its affiliates.

**This is neither an offer to sell nor a solicitation of an offer to buy interest in any investment product. Offers are made solely pursuant to definitive offering documents. In the event of any inconsistency between offering documents and the information presented herein, the former will control.**

# ALLIANCEBERNSTEIN®


OABG-220222-2021-10-15
IC20211073


# Sustainability Overview

July 2022

NISSAN

GROUP OF THE AMERICAS

# Realizing a cleaner, safer and more inclusive society

Nissan Ambition 2030 is our vision for empowering mobility and beyond for a more sustainable world.

We will build a cleaner society by becoming **carbon neutral** through the **vehicle lifecycle and our operations by 2050.**

We will work towards a society with **virtually zero avoidable traffic and pedestrian accidents** by designing and manufacturing vehicles with **innovative safety technologies**

We are committed to promoting a **more inclusive society** that fosters **diversity** and respects **human rights.**


NISSAN
GROUP OF THE AMERICAS

# Sustainability Aspirations


**Climate Change** (CO2 Reduction)

Achieve carbon neutrality by 2050.
Expansion of electrification and innovative manufacturing

**Materials**

Expand use of sustainable materials and battery recycling

**Water Management**

"Zero Stress" - Minimize water usage and optimize water quality management across production sites

**Air Quality**

"Zero Stress" – Improve air quality management

**Diversity, Equity and Inclusion**

Drive innovation through building a diverse and inclusive organization where individual employees can demonstrate their potential to the fullest

**Our Communities**

Create value that is distinctive of Nissan and to be a company that is valued by society

**Our People**

Foster a culture of belonging and build a resilient workforce
Realize zero-accidents, zero illness and a safe workspace

**Safety First**

Contributing to a society with virtually zero avoidable traffic & pedestrian accidents

# Realizing a cleaner society
## 2030 Environmental Initiatives

Our “Nissan Green Program (NGP) sets short and long term targets in addressing environmental issues like Climate Change, Materials Use, Air Quality and Water Scarcity

1. We will reduce product CO2 emissions through innovative electrification technologies. Our target is for 40% of the vehicles sold in the US to be electrified by early 2030.

2. We will accelerate EV battery innovations with the introduction of cobalt-free and all-solid-state batteries. This will make our batteries more efficient, scalable and sustainable.

3. We will reduce CO2 emissions from our manufacturing operations through operational improvements, Carbon Free Energy procurement and new technologies adoption.

4. We will establish new EV battery refurbishing facilities and will also expand recycling from scrapped vehicles with aluminum, resin, and electric materials. This will allow us to work towards a fully sustainable vehicle ecosystem.

5. We will continue to integrate water and waste efficient processes to manage and minimize the impact on environment.

# Realizing a cleaner society

## Specific Recognition

- In 2021, Nissan received it's 12th EPA Energy Star Partner of the Year recognition and for the 10th consecutive year, for environmental stewardship in **reducing greenhouse gas emissions and improving energy management within its U.S. facilities (absolute energy reduction of 21% across U.S. manufacturing footprint)**
- We have saved nearly 8 trillion BTUs of energy required to manufacture and assemble vehicles
- We are undertaking numerous additional efforts to reduce energy consumption, including:
  - Switching to more efficient technologies like LED lighting
  - Engaging employees in energy management including energy efficiency in design such as environmentally friendly paint processes
  - Taking an active role in the Department of Energy Better Buildings Better Plants initiatives. Nissan has been named a Better Plants Challenge Achiever and Better Projects Award recipient


### ENERGY STAR® Award 2021

Nissan's 12th Partner of the Year recognition and 10th consecutive year as Sustained Excellence.


### Better Project Award 2021

Better Plants Challenge Achiever and Better Projects Award Recipient.


### CDP A List 2021

Commendation for Nissan's leadership on climate change and water security.

# Realizing a safer society

## Nissan is focused on making our vehicles, individuals and society safer

- We have expanded our Nissan Technical Center North America (NTCNA) with a more than $40 million dollar Safety Advancement Lab for full vehicle crash testing, vehicle certification, advanced development testing and benchmarking.
- Nissan has been focused on delivering strong active and passive safety for our customers, including making Safety Shield 360 standard on 10 models in our lineup.
- We are committed to maximize the safety of our customers and community through education on safety technology and practices.

# Realizing a more inclusive society

## Community Engagement and Support

- Through Nissan Neighbors and The Nissan Foundation we are making significant investments to improve the communities that Nissan employees, dealers, customers and suppliers call home
  - ✓ Contributions to local parks, conservation efforts, environmental education and additional sustainability initiatives through financial grants and employee volunteer support
  - ✓ Promote cultural awareness and the value diversity, respect and understanding bring to society as a whole



# Thank you

NISSAN
GROUP OF THE AMERICAS

# Presenter Bio


## Ana Serra
## Director of Governance and Sustainability

A native of Brazil, Ana joined Nissan in 2005 and has had several positions in Consumer Research, Marketing and Corporate Governance

In her current role, Ana leads the Sustainability efforts for Nissan Americas, which supports our commitment to achieve carbon neutrality across the company's operation by 2050

# Environmental Impact and Sustainability

Nancy Anness, CAO Ascension Saint Thomas

July 28, 2022

Ascension

# Who are we….

- Ascension Saint Thomas operates 12 hospital campuses in Middle Tennessee in addition to a comprehensive network of affiliated joint ventures medical practices, clinics, and rehabilitation facilities that cover a 45-county area and employ more than 8,500 associates. Ascension Saint Thomas West Hospital was started by the Daughters of Charity, an order of Catholic Sisters, 125 years ago. The Sisters remained on our campus working in our hospitals and clinics until just a few years ago and were recommissioned across the U.S. Across Middle Tennessee, Ascension Saint Thomas provided more than $181 million in community benefit and care of persons living in poverty in FY22.

- Ascension is our national health system and is one of the leading non-profit and Catholic health systems in the U.S.

- In FY2021, Ascension provided $2.3 billion in care of persons living in poverty and other community benefit programs. Ascension includes more than 150,000 associates and 40,000 aligned providers. Ascension operates more than 2,600 sites of care – including 143 hospitals and more than 40 senior living facilities – in 19 states and the District of Columbia

# Purpose Statement

Ascension's commitment to reducing our environmental footprint and achieving sustainability is **rooted in our Mission**, which calls us to be **advocates for a compassionate and just society** in our actions and our words. Through Catholic social teaching, we recognize the **human dignity** of all people and the common good as we work toward **equitable access to resources** to improve community health and the lives of individuals we serve.

## BOLD GOALS:

Ascension intends to achieve **Net Zero Carbon Emissions** and **Zero Waste** across all sites of care **by 2040**.

# Climate change impacts on the poor and vulnerable

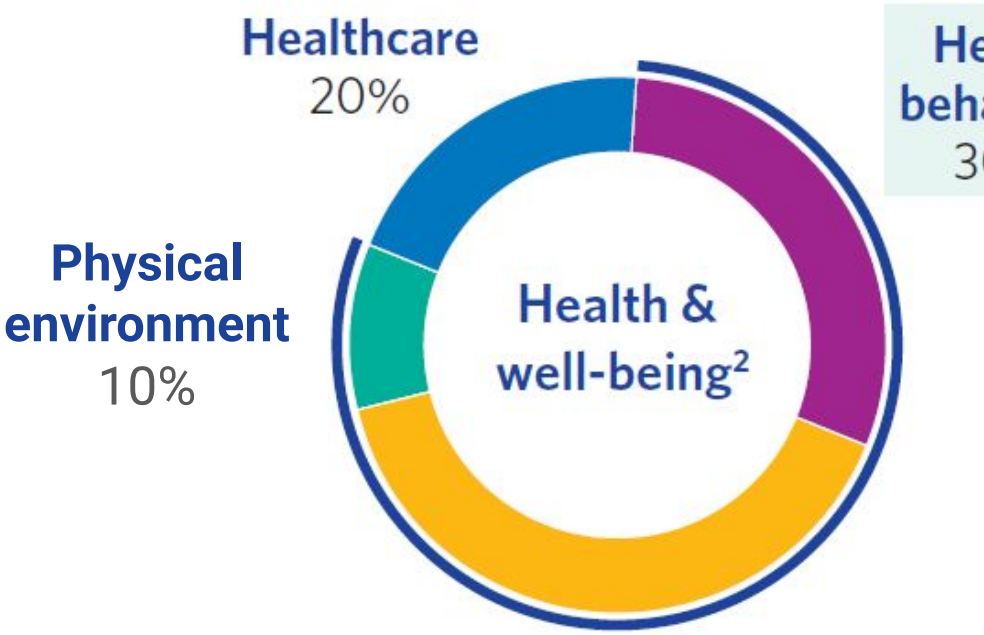
The impacts of climate change are worsening and will profoundly affect the Social Determinants of Health (SDOH)[1]

**Wildfires**

**Flooding**

**Extreme heat**

**Hurricanes**




1 County Health Rankings (https://www.countyhealthrankings.org/our-approach)
2 American Hospital Association, Addressing Social Determinants of Health (https://www.aha.org/addressing-social-determinants-health-presentation)

Ascension partnered with Engie Impact to develop this graphic, our program.



Ascension

# Three Pillars of Work

## Net Zero Places

*Energy Efficiency*
*Renewable Energy*
*Mobility*

## Responsible Supply Chain

*Sourcing*
*Waste*

## Healthy Communities

*Partnerships*
*Community Engagement*
*Public Policy*

**Environmental Impact Office**

A matrixed team that includes subject matter experts from across Ascension and its subsidiary organizations.

- Data Management
- Communications
- Program (Change) Management and Governance

FY23 Goals

# Greenhouse Gas Emissions

**5%**

**reduction by FY23**

**Impact:** Reduce energy consumption and transition to clean energy sources to reduce air pollution in the community.

## What is Ascension doing?

- Investing in energy efficiency capital and operations projects.
- Shifting to renewable energy sources.
- Electrifying landscape equipment and fleet vehicles.

FY23 Goals

# Municipal Solid Waste to Landfill

**Impact:** Reduce landfill usage in our communities and emissions from existing landfills.

## What is Ascension doing?

- Preventing waste through source reduction.
- Increasing recycling programs.
  - Single stream
  - Cardboard
- Installing food waste digesters.

**6%**

**reduction by FY23**

# Stop Food Waste Day (April 27)

- Ascension Saint Thomas (TN) participated in Stop Food Waste Day.
  - Kitchens worked to achieve **zero food waste** through meal planning and using food waste digesters and recyclable utensils.
- Local media featured this effort and dedication Chef Lionel “Dean” Chadwick, Ascension Saint Thomas Hospital Midtown, demonstrated to reduce food waste.



# Race to Zero


- Ascension committed to **Race to Zero** on October 25, 2021.
  - Global coalition committed to achieving net zero carbon emissions by 2050.
  - Ascension's goal is to achieve net zero carbon by 2040.
  - Science-based interim targets in development, including 50% reduction of Scope 1 and 2 emissions by 2030.
    - Scope 1 is direct emissions from healthcare facilities, while scope 2 is indirect emissions from purchased energy.

# Department of Health and Human Services Health Sector Pledge

- Healthcare stakeholders commit to lower their greenhouse gas emissions and build more climate resilient infrastructure.
  - Stakeholders: U.S. hospitals, health systems, suppliers and pharmaceutical companies.
- HHS Pledge commitments: Reduce emissions 50% by 2030 and net zero by 2050.
  - Ascension's goal is to achieve net zero carbon by 2040.

# Department of Health and Human Services Health Sector Pledge

Craig Cordola, Executive Vice President and Chief Operating Officer, Ascension, was on site at the White House, along with other healthcare industry colleagues, to mark the occasion of joining the pledge.

# Laudato Si' Action Platform

- Formed in response to *Laudato Si'*, Pope Francis' encyclical on caring for our common home.
  - A collaboration between the Vatican, Catholic organizations and individuals around the world.
- The Platform's 7 goals guide actions to redefine and rebuild relationships with each other and our common home.
- Alignment with the Environmental Impact and Sustainability program's **3 Pillars of Work: Net Zero Places, Responsible Supply Chain and Healthy Communities**.

# More information available at Ascension.org

July 2022

# Mayor's Sustainability Advisory Committee

## 1 Hotel Nashville

What responsibility do brands have for safeguarding the environment? And to what extent may we embrace the idea that **everything we design, designs us back**?


“I wanted to capture the beauty of nature in a hotel and commit to safeguarding it as best I can, a responsibility that I believe we all share. It's 1 world.
But 1 is more than a hotel - it's a philosophy and a platform for change.”
— Barry Sternlicht, Chairman, Starwood Capital Group

# Why should we care about reducing our Greenhouse Gas Emissions?

The accumulation of greenhouse gases in the atmosphere – from the burning of fossil fuels, agriculture, transportation, deforestation, and many more factors – leads to a heating of the Earth's surface.

By rapidly cutting emissions of greenhouse gases, we can lessen the risks of dangerous climate change.

While the impacts of these shifts may not be as visible to some, they are very real. We not only have a responsibility for our actions but a moral culpability for the influence of our reach.

# As leaders in the industry

### LEED Certified

100% of 1 Hotels are minimum LEED Certified

### Carbon Neutral

All operating U.S. properties are 100% Certified Carbon Neutral since 2018

### CO2 Offsets

To date we have offset 19,171 tons of CO2.

### Supporting Causes That Matter

We have donated more than half a million dollars to various charitable partners, including Housing Works, Oceanic Global, The Nature Conservancy, and the NRDC.

# As a physical operation in Nashville

### EMS & BMS

Intelligent Systems for the Live Tracking of Energy and Resource Management

Estimated 28% Energy Reduction Annually

### Circular Waste Management

Partners with Food Print Group

Implementing a True Zero Waste program across all Food & Beverage outlets and total operations

### Responsible Materials

Largest Living Wall in the State

Design and Materials Inspired by the Area's Rich History and Natural Landscape

### 1 Kitchen

Led by Culinary Director Chris Crary

1 Kitchen is rooted in the belief that the closer things are to home, the better they taste. We celebrate local ingredients to create nutrient-dense meals that fuel a mindful lifestyle.

### Guest Experience Design

Filtered Tap in All Guest Rooms

Sustainably Sourced Bedding

1 Less Thing, Living Moments

Food & Beverage Responsibility

### Strategic Partnerships

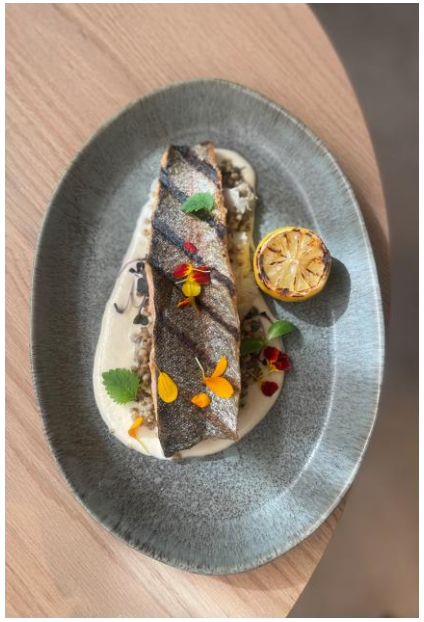
Exclusive Hotel Partner of Audi

PathWater

Bamford

# As a new member of the community


As stewards of our 1 Planet...



# Thank You.

1 Hotel Nashville

710 Demonbreun Street

Nashville, TN 37203