### Waste Diversion

- **Breakdown of trash in a typical household**
  - 50% Compostable
  - 25% Recyclable
  - 25% Landfill

Denver’s trash diversion rate is half the national average at only **20%**.

- Increasing funding for recycling.
- Increasing funding for compost.
- Compost is now available in all neighborhoods! Sign up today at denvergov.org/compostsignup.
- Transitioned to standardized cart-based trash service citywide. Individual trash carts have proven to encourage Denver residents to recycle more.
- Increased education campaign to better inform neighbors about how to properly dispose of their waste, including events such as LeafDrop and Treecyle.
- Switched glass recycling to Momentum Glass which has a “bottle to bottle” philosophy ensuring more efficient recycling.

### Urban Forest Protection

- The Emerald Ash Borer is an insect that has the potential to destroy **1.45 million** ash trees in Metro Denver.
- **6,450+** new trees planted in the right-of-way since 2016
- **5,190+** ash trees treated against the Emerald Ash Borer in the right-of-way.
- **36,000+** letters informing property owners that they have at least one ash somewhere on their property.

### Funding

<table>
<thead>
<tr>
<th>Year</th>
<th>Compost</th>
<th>Recycling</th>
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<tbody>
<tr>
<td>2015</td>
<td>99</td>
<td>2.37</td>
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<tr>
<td>2016</td>
<td>65</td>
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<td>2017</td>
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<tr>
<td>2018</td>
<td>1.89</td>
<td>3.44</td>
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</table>

### Compost Routes

<table>
<thead>
<tr>
<th>Year</th>
<th>Routes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
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<tr>
<td>2016</td>
<td>5</td>
</tr>
<tr>
<td>2017</td>
<td>11</td>
</tr>
<tr>
<td>2018</td>
<td>11</td>
</tr>
</tbody>
</table>

### Compost and Recycling Funding

- $3M in 2015
- $3M in 2016
- $3M in 2017
- $3M in 2018
**SUSTAINABILITY AND THE ENVIRONMENT**

**ENERGY CONSERVATION**

**OUR GOALS:**
- Reduce greenhouse gas emissions below 1990 levels by 2020
- Reduce greenhouse gas emissions by 80% by 2050.

**COMMERCIAL AND MULTIFAMILY BUILDINGS**

- **Benchmarking Energy Performance**
  - Benchmarking the energy performance of buildings is the first step to understanding and reducing energy consumption. All large commercial and multifamily buildings are now required to annually assess and report their energy performance.
  - Other cities with benchmarking and transparency requirements have seen 2–3% energy savings each year by covered buildings.
  - The scores are now live at www.energizedenver.org

- **Green Roof Initiative**
  - On November 7, 2017, Denver voters passed the Green Roof Initiative. It says that new buildings over 25,000 sq ft — and existing large buildings when getting a new roof — must build a green roof including live vegetation (may also include solar panels).

**TRANSPORTATION**

- **Encourage Electric Vehicle Ownership**
  - Denver has over 140 charging ports at more than 60 locations. Electrify America committed to invest in more than 300 chargers in the Denver area over the next two years.

- **Reduce Single-Occupant Vehicles**
  - Today, 73 percent of Denver commuters drive alone. Our goal is to reduce single-occupant vehicle (SOV) commuters to 50 percent and increase the percentage of bike and pedestrian commuters to 15 percent and transit commuters to 15 percent by 2030.

**DOING OUR PART AT THE CITY**

- Converting to LED or low wattage T-8 bulbs.
- Installing variable frequency drives on HVAC systems to reduce energy consumption.
- The fleet of city vehicles will begin converting to electric models in 2018 to reduce our gas consumption.
- The Employee Transportation Coordinator position was created in 2018 to investigate ways to reduce gas consumed by employees’ travel.
- In 2017, nine City facilities received Energy Star certification. In general, Energy Star certified buildings release 35% less carbon dioxide into the atmosphere and use an average of 35% less energy than typical buildings.
SUSTAINABILITY AND THE ENVIRONMENT

WATER QUALITY IMPROVEMENTS

1. VANDERBILT AND JOHNSON HABITAT PARK - COMPLETE
The two parks near Exposition and Jason St were reimagined, redesigned and reconstructed into an environmental education center and community park asset. Additionally, the project improves water quality and treatment by collecting and cleaning stormwater through a series of bio-filtration. The project also increases floodplain volume and conveyance, improves wildlife habitat, removes invasive exotic plant species and includes 1,000+ linear feet of bank stabilization and riparian restoration along the river.

2. SANDERSON GULCH - SPRING 2019
The Sanderson Gulch construction project between S. Lipan Street and S. Platte River Drive will reduce flood risk to nearby properties, improve water quality flowing into the South Platte River and create a more pleasant public area for the community to enjoy. The project involves installing larger storm drainage pipes to provide greater protection during bigger storm events, and a naturalized channel to manage and clean water during smaller storm events.

3. SOUTH PLATTE RIVER FROM EVANS TO OVERLAND POND PARK
Between Evans and just north of Florida, the South Platte River’s drop structures and river channel was reconstructed to improve opportunities for boating, tubing, fishing and wildlife habitat. The project restored and enhanced wetland, riparian and upland habitat along 1.25 miles of river, increase floodplain volume and conveyance, improved water quality and treatment, and created various in-river structures to create macro/micro-invertebrate and fish habitat.

4. ASBURY TEJON PARK
Asbury & Tejon Park was converted from a drainage way into a neighborhood park in early 1970s. The park continues to act as a critical stormwater detention facility for nearly 280 acres of the community surrounding the park, but provides very little water quality benefit due. This project will remove the concrete channel and relocate it to the edge of the park where it will be rebuilt as a naturalized, vegetated water quality channel that could include play features and educational components for nearby schools. In addition, the recreation lawn and playground will be rebuilt to better suite the communities needs.

5. PASQUINEL’S LANDING AND GRANT FRONTIER PARK
These two new river parks nestled along the South Platte River just north and South of Evans Ave were reimagined to improving habitat and expand park programs in historically underserved parts of the City. Grant Frontier has a secondary channel, island, habitat terraces and a natural play area with sculptural play elements. Pasquinel’s Landing has an expanded riparian habitat, walking and hiking trails, riverfront lawn terrace, and an adult fitness zone.

Additionally, Denver is partnering with the U.S. Army Corps of Engineers to evaluate ecosystem restoration along ~2.4 miles of the South Platte River. The purpose of the study is to improve the quality and quantity of riparian habitats, create habitat, incorporate in-channel aquatics along the river without reconfiguring existing infrastructure and without adversely impacting the existing floodplain. Learn more about the project here: www.luckydistrict7.org/usacestudy.html