

# Agenda

VIRTUAL MEETING  
Metro Sustainability Council

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## Agenda

- a. Welcome/Remarks: Chair (5 min)
  - b. Approval of Minutes: Chair (2 min)
  - c. Highways Motion Discussion: Eric Bruins/Steve Lantz (20 min)
  - d. Interactive Sustainability Data Workshop: Andrina (20 min)
  - e. Working Group Meetings: Chair (25 min)
  - f. Action Items Log: Aaron (2 min)
  - g. General Public Comment (5 min)
- 



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- a. Welcome/Remarks: Chair (5 min)
  - b. Approval of Minutes: Chair (2 min)
  - c. Recovery Task Force Debrief: Chair (15 min)
  - d. Energy and Resilience at Metro: Craig (15 min)
  - e. Metro Environmental and Sustainability Program: Cris/Paul/Alvin (20 min)
  - f. Working Group Discussion: Chair (15 min)
  - g. Action Items Log: Aaron (2 min)
  - h. General Public Comment (5 min)
- 



### **A. Welcome/Remarks**

**Thomas Small:** Friday the 13<sup>th</sup>. Hopeful that by January there will be some significant stimulus coming our way out of Washington but challenged at the COVID Virus' intense advancement and surge, focus on our work today is exactly appropriate for this moment.

**Lynda B.** - Propose we declare this Science Friday. Back to the foundation of science and what it offers to engineering.

### **B. Approval of Minutes**

No Comment. Minutes approved.

### **C. Recovery Task Force Debrief**

- to respond to the pandemic
- to recover after the pandemic
- to lead an equitable economic recovery for LA County
- advanced mobility without congestion as the new normal after the pandemic

Have not been able to get into the deeper policy to understand what changes can be made going through the crisis in coming out of the crisis. Metro's Recovery Task Force seems to be going more in depth as to how Metro can support those who need the most support and build better mobility with more equity.

Recommendations or Goals:

- Express buses on improved HOV express lanes
- networks of complete streets
- fully integrated transit
- more incentives to reduce car ownership
- improve station amenities
- improve public engagement
- have stronger rider voices through advisory committees and surveys
- more data on equity and travel plans
- transparency throughout the entire process
- Green Jobs in Infrastructure
- Expand Joint Development
- Saving money through reduced Capital Construction Costs
- Building staff capacity
- Using Measure R and M ordinances

### **<COMMENTS>**

**Cris L.:** Interested in hearing more from the Council's perspective, try to incorporate strategies we have into existing projects. We are open to any suggestions on how to advance our Agency goals with out significant impacts

**Pavitra:** Identify the projects or opportunities that have more long-lasting impacts in the different priority buckets and make those priority to build momentum.

**Thomas S.:** This situation has forced us to look at what is really essential.

**Bryn L.:** Meeting the needs of the time, there is a motion working its way to the Metro's Board modernizing Metro's highway program. Open up eligibility so street investments can serve better transit usage, no longer just car serving.

**Ben S.:** What parts of that proposal are reasonable and achievable in relatively short-term vs what are more longer-term efforts and are more guidelines on how to move forward?

**Heather R.:** Due to pandemic, some bus lanes have been expedited. Trying to do more expediting of transit options including complete streets. Highway discussion, some of the project cannot be easily take away because they have been promised to voters or certain parts of the region as part of a compromise that allowed a really important sales tax that is going to benefit our entire system.

**Rick Clarke:** It will be presented this month and final report will come out in January.

**Mary M.:** From the perspective of Social equity and Community Engagement, equitable recovery is a key element to this as well as improving public engagement.

#### **D. Energy and Resilience at Metro (Craig Reiter)**

External Threats to the Power Grid - Understanding the external threats and vulnerabilities of the power grid allows Metro to develop strategies that ensure Continuity of Operations and Emergency Response. Part of the strategy is to understand how Metro provide safe and reliable service to the customers along with emergency response services.

- Metro's Energy Resiliency Strategies:
  1. Utility Grid / CCA's
  2. Essential Use Designation
  3. Microgrids & DERs
  4. Electrification of Fleet & Buildings
  5. Energy Efficiency
  6. Energy Management Systems
- To ensure Continuity of Operations, Metro is looking at energy solutions in the following areas:
  1. Microgrid, solar and battery storage assessments to guarantee system reliability in critical areas
  2. Energy Management System implementation to audit and manage energy and reduce energy consumption
- To ensure success, Metro has developed Plans, Procedures, Policies and Protocols that support energy resilience:
  1. Moving Beyond Sustainability (MBS)
  2. Climate Action and Adaptation Plan (CAAP)
  3. Resiliency Framework
  4. Sustainable Acquisition Program
  5. Continuity of Operations (CO-OP)
  6. Environmental Policy

#### **<COMMENTS>**

**Thomas:** EV Charger program, do we feel like we have a schedule or process in hand? It's part of the Energy Resiliency Strategy but part of the overall energy program and initiatives.

**Cris:** Draft floating out for about a year. Working together with other organizations on how to work the State initiatives through our projects. Look forward to the future conversations.

**Robin B.:** Resiliency is not all things to all conditions. The solution might work in one but not the other. Things we do not anticipate until we need them. We need to think in broader sense

**Lynda:** Are alternative energy vehicles required for Micro Transit? Answer will be looked into.

**Roy:** Metro providing sustainable transportation, independent of the grid. What of issues on shared lines with other entities? No, rail lines may overlap occasionally, but they are not shared.

#### **E. Metro Environmental and Sustainability Program (Cris/Paul/Alvin)**

Presentation is to provide the council with information on what is happening overall and update where we are with MBS plan and Implementation Plan.

- Focus areas
  1. Climate and Resiliency
  2. Energy, Water, Solid Waste and Recycling
  3. Materials, Construction and Operations
  4. Economic and Workforce Development
- CAAP and Ten-Year Strategic Plan, MBS
- MBS Report Back, January 2021
  1. Metro as a net GHG displacer
  2. Routemap: Regional effects of our work

3. Investments vs. sustainability/resiliency
- MBS Overview:
  1. Updates/consolidates the Metro Sustainability Implementation Plan and Countywide Sustainability
  2. Planning Policy
  3. Unifies agency wide sustainability efforts
  4. Establishes 10-year sustainability goals and targets
- MBS Implementation Plan: Timeline
  1. Meet with Category PM's to prioritize MBS Action Items, develop ROM, and identify projects/tasks
  2. Conduct workshop with Category PM's, SME's, and internal partners to present/discuss MBS Action Item priorities, ROM's, and projects
  3. Present MBS Action Items priorities to internal and external stakeholder for input/guidance
  4. Meet with Category PM's to program MBS Action Items and projects/tasks by fiscal year
  5. Report by category working groups on the programming of Action Items and tasks by fiscal year
  6. Finalize MBS 5 Year (FY22 FY26) Implementation Plan (IP)
  7. Develop FY22 Work Plan based on final MBS IP

**<COMMENTS>**

**Bryn:** Metro is looking at the greenhouse gasses coming from Operations and cars taken off the road by providing transit service, but not taking into considerations new cars that are being put on the road by freeway widening funded by Metro. Good time to start taking a harder look at the activities that are not helpful to the cause, in the Industry as a whole.

**Cris:** Will take the advice into consideration. Will take a hard look on what Metro is doing as an agency and have an audit.

**Ghina:** Assuming the way projects are prioritized is on some form of Metrics. Suggesting a presentation to show different priority areas and trends. For different people its different Metrics, this would be beneficial.

**Paul B.:** Need to sharpen the focus of that is being asked. Offline conversation suggested to help narrow down what is being discussed and what we are looking for.

**F. Working Group Discussion**

Group 1 – Steering committee for the working groups. Focus what these working groups are going to be and how that work is going to be more fully integrated with what is happening on the through with Metro throughout the Region.

- **Phase 1** is what the Council wants to accomplish; have the discussions closely aligned with what Metro has been doing, is doing now and what Metro is doing in the future.
- **Phase 2** would be after the initial working group set of meeting with Cris and staff to determine the topics/subjects for what the separate working groups will do to fulfill the Councils goals.
- **Phase 3** would be to harness the relationships between the Council and Metro, as well as the organizations members work with on a day-job basis to bring those relationships more integrated and aligned with Metro and not duplicate efforts.

Recruit about 5-7 Councilmembers to set the agenda and will meet in between the full Council meetings and set what the working groups will be and how they will continue in the future. Email Aaron your willingness to participate. We will see where we stand after some responses.

**<COMMENTS>**

**Cris:** This is a proven formula of how the process works and how the heavy lifting is done on the front end and then break out into more focused strategic groups on what could be most helpful. Don't want to disappoint the expectations of this Council, we appreciate the volunteering and investment of time for the benefit of our Stakeholders and the Region.

**Thomas:** There are certain subjects/areas that have come up, Green Infrastructure. Given some of these primary priorities, certain organization would be great recruits to this working group. US GBC, Ben Stapleton and Move LA and would like to have input from Eli Lipmen.

**Ghina:** We all have limited time and resources; we are trying to find the best way to be productive.  
**Bryn:** Working this way to have a space to talking and working on issues that aren't already on our agenda and aren't already underway at Metro.

**Thomas:** Finding that balance. Good suggestion in the chat from Roy Thun to send a written scope for the new oversight work group. Will work with Ghina, Bryn and Aaron to send out a short summary on what was just proposed. Would like to have Heather Repenning in the working group.

#### **G. Actions Items Log (Aaron Santos)**

Transit Oriented Communities Implementation Plan to provide an overview to this council.  
Confirmed and staff scheduled to participate on January 8<sup>th</sup> meeting.

#### **H. General Public Comments**

**Patty:** List of numbers on Council. Would like to be Secondary and have Kim as Primary.

**Cris:** The process for this Council is that between themselves they can designate who is primary and who will be secondary.

**Ghina:** Looking at the list, there are empty positions. There is space for both to be Primary members.

**Thomas:** Has been a discussion about possibility of adding some Council memberships to represent other groups that are not currently represented. Haven't had the bandwidth to follow up.  
Indigenous Groups is one group to reach out to. Potentially also youth groups.

**Cris:** Wanted to thank everyone on the Council. Bryan Pennington and Rick Clarke have been listening in to the conversations, as well as other executives and directors from LA Metro. We look forward to working with everyone this coming calendar year. It has been a productive year so far. There have been a lot of achievements for the Council to be proud of as too are proud that you continue to be interested in our work. Thank you for the investment of your time. Happy Holidays and be safe out there.

*Meeting Adjourned.*

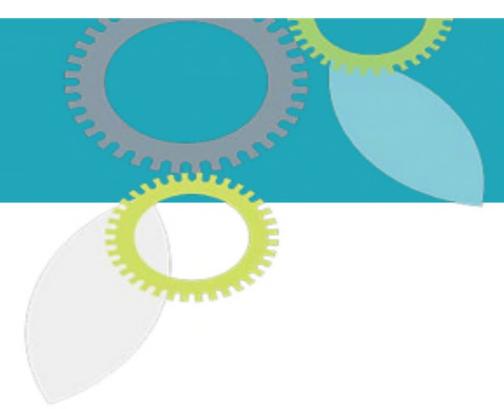
Metro Sustainability Council



Sustainability Council  
 FY21 **WORKING DRAFT** Meetings Arc  
 As of *December 29, 2020*

Meeting	Agenda Topics	Outcomes
July 10, 2020	<p>ACTION: Executive Committee Elections</p> <p>PRESENTATION: Draft Long-Range Transportation Plan</p> <p>PRESENTATION: Sustainability Program for Capital Projects</p> <p>PRESENTATION: Coronavirus Recover Task Force</p>	<p>Selection of Metro Sustainability Council Executive Committee Members: Chair/Vice-Chair/Second Vice-Chair</p> <p>Present Draft Long-Range Plan to solicit feedback from the SC to prepare the final Plan</p> <p>Discuss Metro’s process to incorporate sustainability strategies into Capital projects</p> <p>Provide an update on early action items.</p>
September 11, 2020	<p>UPDATE: Sustainability Program</p> <p>UPDATE: Metro’s Measure W (Clean Safe Water) Program</p> <p>PRESENTATION: Equity Program</p> <p>PRESENTATION: Traffic Reduction Study</p>	<p>Report out the findings of Metro’s Sustainability Programs implementation</p> <p>Presenting Metro projects that are applying for Measure W funding</p> <p>Provide an overview of Metro’s Equity Program.</p> <p>Provide an overview of Metro’s Traffic Reduction Study.</p>

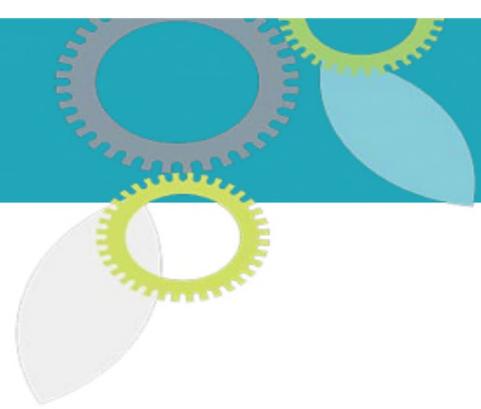
November 13, 2020	<p>WORKSHOP: Metro Recovery Task Force and Metro Environmental and Sustainability Program</p> <p>PRESENTATION/UPDATE: Energy Resilience at Metro</p>	<p>Identify changes and adjustments in environmental and sustainability efforts relative to Metro Recovery Task Force</p> <p>Discuss Metro’s efforts on energy resilience</p>
January 8, 2021	WORKSHOP: Interactive Sustainability Data	Sharing publicly accessible data for sustainability at Metro
March 12, 2021	<p>PRESENTATION: Transit Oriented Communities Implementation Plan</p> <p>UPDATE: Sustainability Acquisition Program</p> <p>WORKSHOP: Water Strategies</p>	<p>Provide an overview of Metro’s Transit Oriented Communities Implementation Plan</p> <p>Update on the Sustainability Acquisition Program Pilots and Next Steps.</p> <p>Potable water reduction strategies and green infrastructure. Water Action Planning process</p>
May 14, 2021	<p>UPDATE: Moving Beyond Sustainability Update</p> <p>UPDATE: EV Charger Program</p> <p>TO BE INVITED: Metro Fleet Electrification Program</p>	<p>Update Sustainability Council on MBS goals and targets progress.</p> <p>Discuss progress of Metro EV Charger Program</p> <p>Update on Metro Fleet Electrification Program</p>



# **Moving Beyond Sustainability**

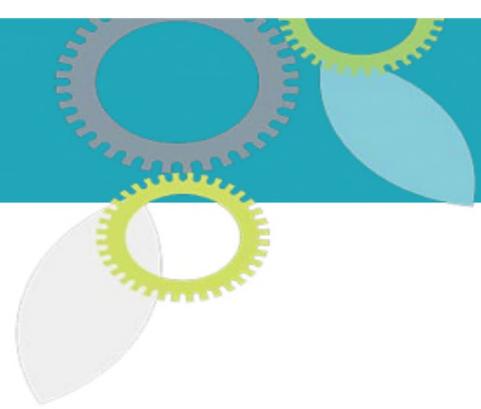
## Reporting Framework Update

January 2021



# Agenda

1. Background
2. *MBS* Reporting Framework
  - Guiding Principles
  - Structure and Timeline
  - Report Content
  - Output Format
3. Reporting Process
4. Mockup Overview
5. Q&A



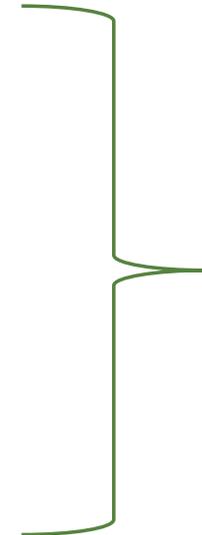
## Reporting History

1. Energy & Resource Report

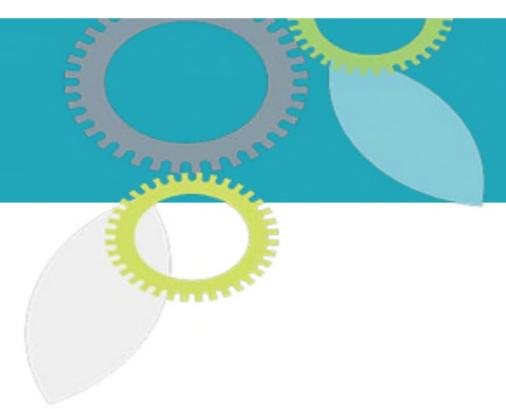
- APTA Sustainability Metrics
- Sustainability Program Updates and Accomplishments

2. Countywide Sustainability Annual Report

- Updates on Countywide Sustainability Planning Policy (CSPP)

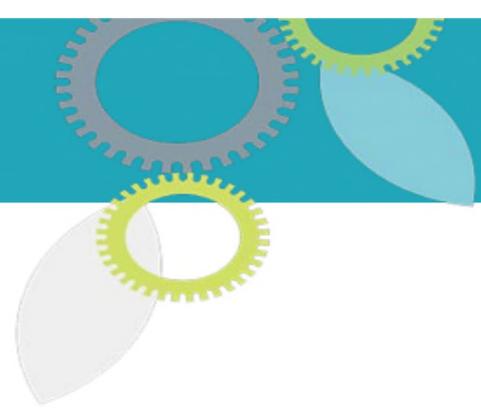


***Moving Beyond  
Sustainability  
Reporting Framework***



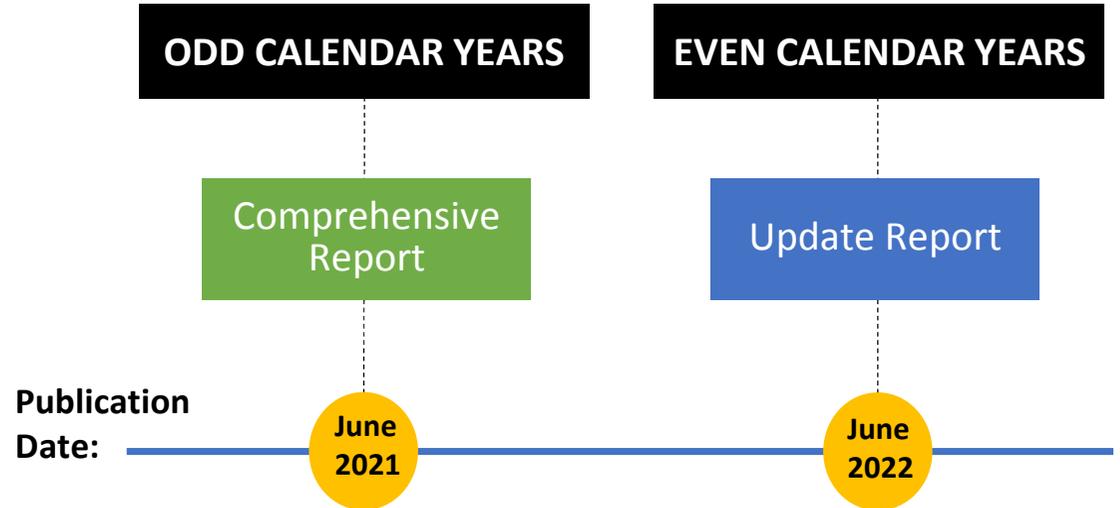
## Guiding Principles

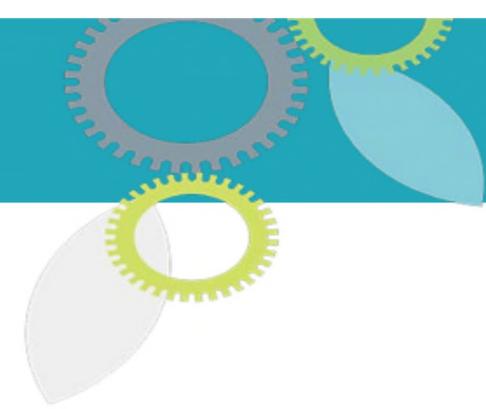
- Measuring progress toward *MBS* goals and targets
- Streamlining the reporting process
- Connecting/aligning reporting with annual Implementation Plan process
- Driving continual improvement
- Simplifying report output



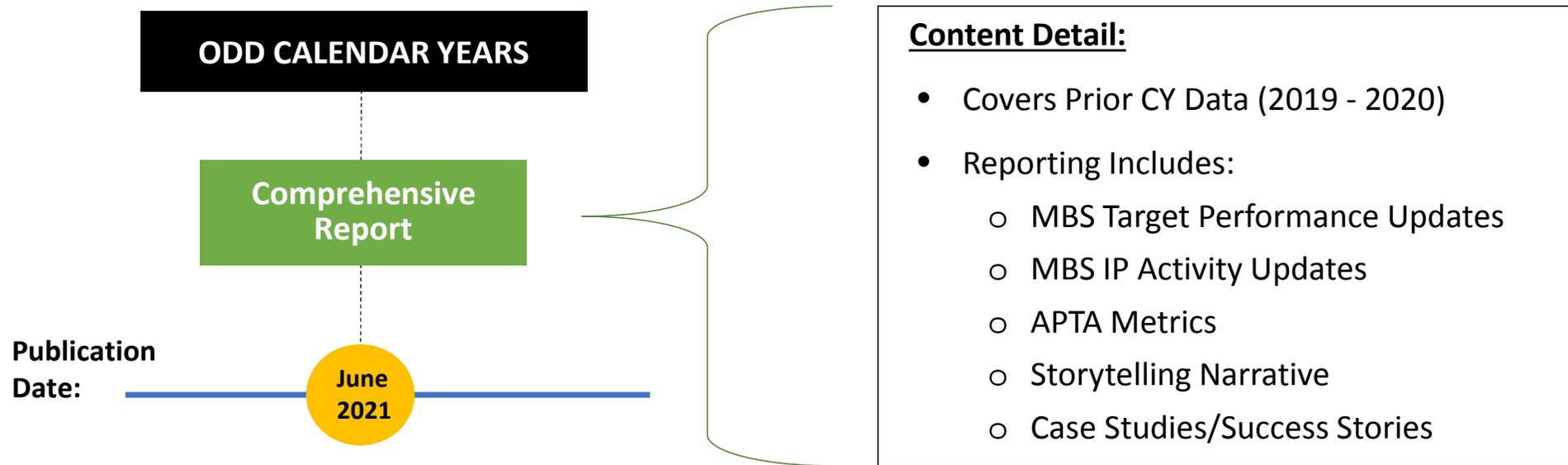
## New Reporting Structure & Timeline

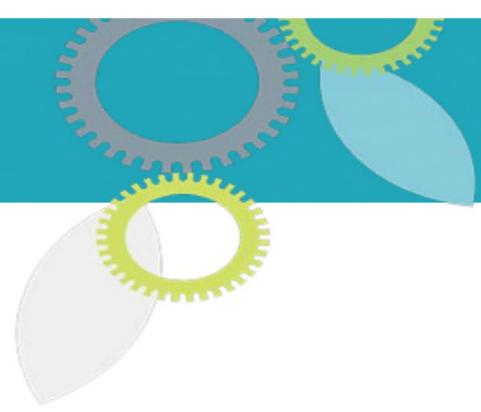
- Alternating Reports:
  - “Comprehensive” Report
  - “Performance Update” Report
- Odd/Even Year Release Dates
- First Report in June 2021



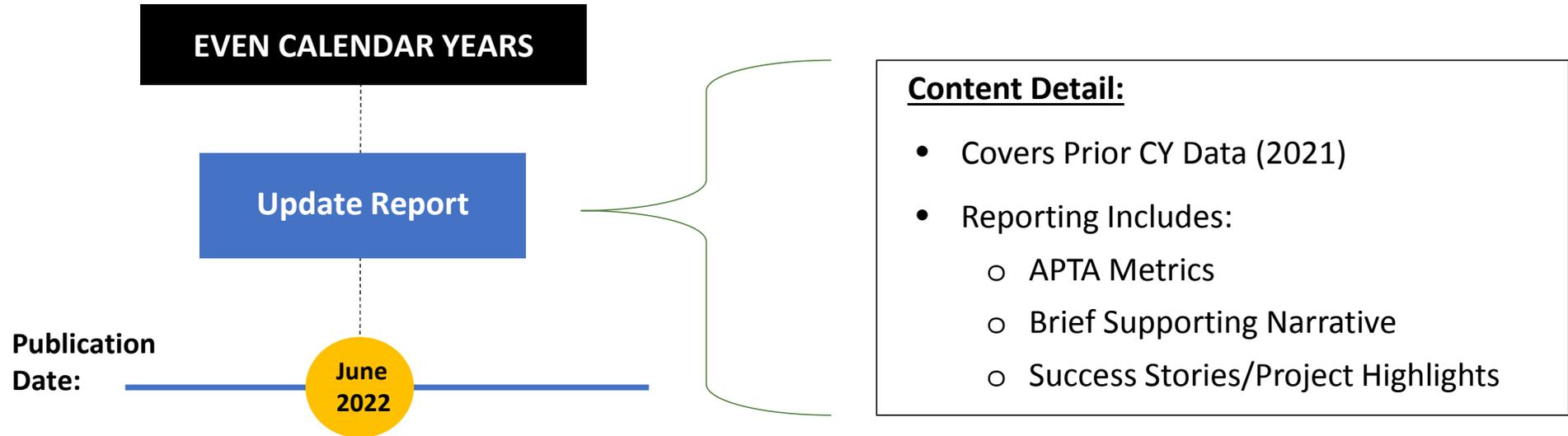


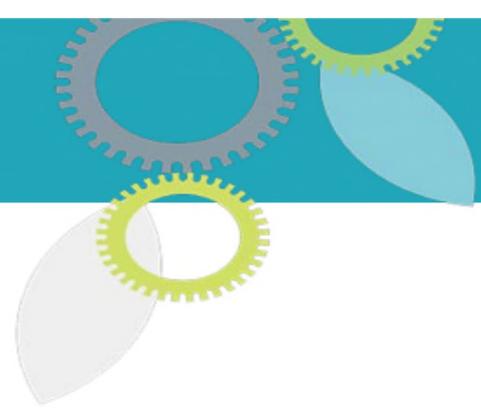
## Report Content: *Comprehensive Report*





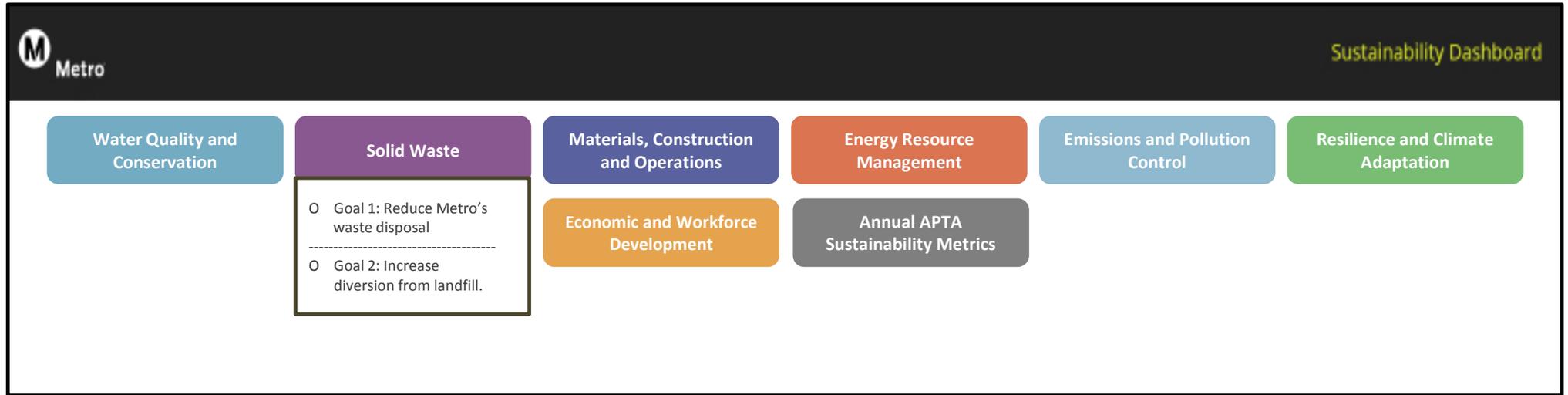
## Report Content: *Performance Update Report*

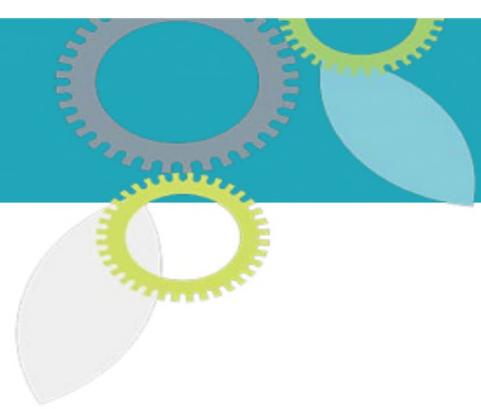




## Output Format

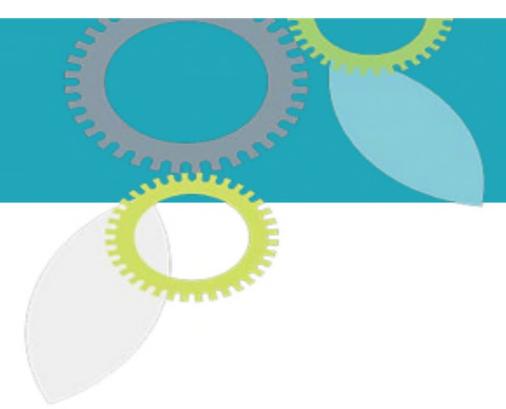
- Expand Existing Reporting Dashboard
- Include MBS and APTA metrics





## Timeline and Milestones

- **Reporting Preparation** – November 2020 thru January 2021
- **Data Collection** – January thru March 2021
- **Report Development** – March thru April 2021
- **Report Board Submission** – May 2021
- **Board Review** – June 2021



## Data Collection

- **Performance Data**
  - Quantitative data indicating progress or performance related to *MBS* goals and targets (e.g., water consumption, waste generation, etc.)
- **Activities Data**
  - Qualitative data detailing progress on *MBS-IP* priority action items and providing context to goal/target performance (e.g., relevant projects, achievements, success stories, operational context)

## ODD CALENDAR YEARS

*MBS*  
Comprehensive  
Report

## EVEN CALENDAR YEARS

*MBS* Update  
Report

Publication  
Date:

June  
2021

June  
2022

### Reporting Cycle Detail:

- Covers Prior CY Data (2019 - 2020)
- Reporting Includes:
  - MBS Targets
  - MBS IP Activity Updates
  - APTA Metrics
  - Storytelling Narrative
  - Case Studies/Success Stories

### Reporting Cycle Detail:

- Covers Prior CY Data (2021)
- Reporting Includes:
  - APTA Metrics
  - Brief Supporting Narrative
  - Success Stories/Project Highlights

Water Quality and Conservation

Solid Waste

Materials, Construction and Operations

Energy Resource Management

Emissions and Pollution Control

Resilience and Climate Adaptation

- Goal 1: Reduce Metro's waste disposal

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- Goal 2: Increase diversion from landfill.

Economic and Workforce Development

Annual APTA Sustainability Metrics

## Moving Beyond Sustainability Target Dashboard

### Accomplishments & Activities

**2018**  
MECA  
Metro launches the Metro Environmental Construction Awareness program

**2016**  
First / Last Mile  
Board Motion 14.1 began implementation - planning for 254 station areas.

**2016**  
Active Transportation Strategic Plan

## Moving Beyond Sustainability | Target Summary

Water Quality and Conservation		Status
Reduce potable water use by 22% from the 2030 Business as Usual scenario.		In Progress
Increase runoff infiltration and capture capacity for stormwater by 15% from 2020 baseline levels.		In Progress
Solid Waste		Status
Reduce annual operational solid waste disposal 24% from 2030 Business as Usual scenario.		In Progress
Achieve 50% landfill diversion rate for operational waste.		In Progress
Achieve 75% construction landfill diversion rate.		In Progress
Materials, Construction and Operations		Status
Achieve LEED Silver certification or higher for all new facilities over 10,000 square feet, and achieve Envision certification where LEED is not applicable.		In Progress
Design and build 100% of capital projects to CALGreen Tier 2 standards.		In Progress
Complete Sustainable Acquisition Program training/implementation and develop 2030 program targets for annual sustainable acquisition spend by 2022.		In Progress

Water Quality and Conservation

Solid Waste

Materials, Construction and Operations

Energy Resource Management

Emissions and Pollution Control

Resilience and Climate Adaptation

Economic and Workforce Development

Annual APTA Sustainability Metrics

Moving Beyond Sustainability Target Dashboard

**Solid Waste | Goal 1: Increase diversion from landfill.**

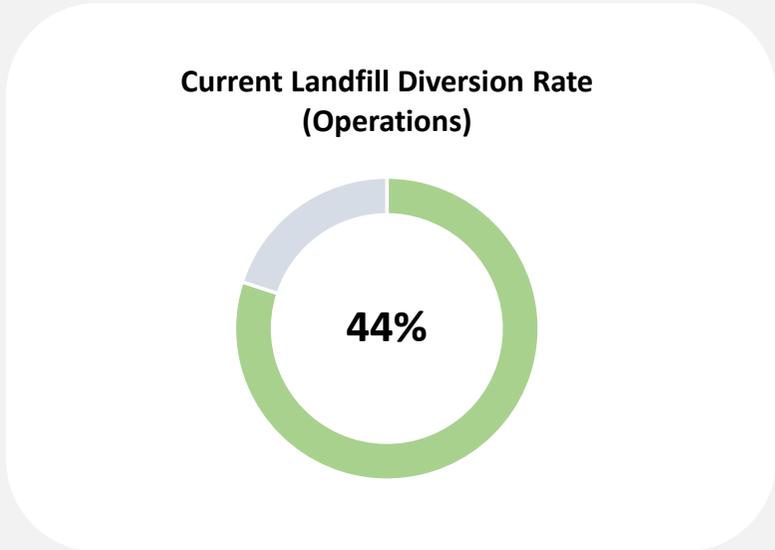
Understanding this Goal

This goal prioritizes diverting additional waste from daily operational and construction solid waste from landfill. This compares the total amount of solid waste (including prevented waste) with the amount of solid waste diverted from landfill through prevention, reuse, recycling, and organic waste recycling efforts.

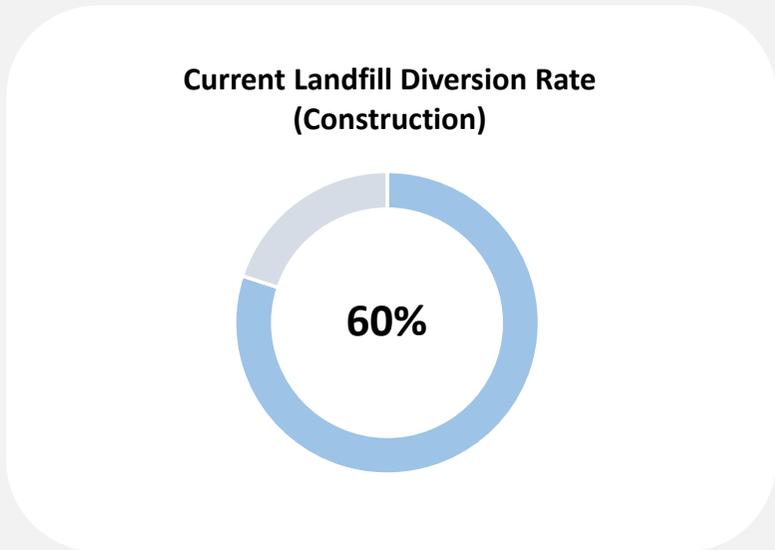
Accomplishments & Activities

- 2018  
MECA  
Metro launches the Metro Environmental Construction Awareness program
- 2016  
First / Last Mile  
Board Motion 14.1 began implementation - planning for 254 station areas.
- 2016  
Active Transportation Strategic Plan

**Target:** Achieve 50% landfill diversion rate for operational waste



**Target:** Achieve 85% landfill diversion rate from construction waste



Water Quality and Conservation

Solid Waste

Materials, Construction and Operations

Energy Resource Management

Emissions and Pollution Control

Resilience and Climate Adaptation

Economic and Workforce Development

Annual APTA Sustainability Metrics

Moving Beyond Sustainability Target Dashboard

*Emissions and Pollution Control | Goal 2: Reduce Metro's GHG and criteria air pollutant emissions*

## Priority Actions and Achievements

### Accomplishments & Activities

- 
**2018**  
**MECA**  
 Metro launches the Metro Environmental Construction Awareness program
- 
**2016**  
**First / Last Mile**  
 Board Motion 14.1 began implementation - planning for 254 station areas.
- 
**2016**  
**Active Transportation Strategic Plan**

### Renewable Diesel—A Case Study



#### Shifting Gears

New innovations in fuel and vehicle technology provide Metro with an opportunity to spearhead air quality improvements across LA County. Following Metro's leadership, partners on the Regional Connector and Purple Line Extension construction projects are now using renewable diesel, a cleaner burning and petroleum-free fuel substitute, to power their construction equipment. Renewable diesel reduces NOx and PM pollutant emissions by 10% and 30% respectively, improving air quality in areas that need it most. Between 2018 and 2019, the use of renewable diesel on construction projects increased by approximately 55,000 gallons, totaling approximately 220,000 gallons used.

Since 2015, Metro has set an aspirational challenge beyond regulatory standards, requiring all applicable construction projects to use off-road equipment with a Tier 4 engine designation. This designation represents the highest performance level for off-road equipment to date and surpasses the California Air Resources Board (CARB) fleet requirements.

Water Quality and Conservation

Solid Waste

Materials, Construction and Operations

Energy Resource Management

Emissions and Pollution Control

Resilience and Climate Adaptation

Economic and Workforce Development

Annual APTA Sustainability Metrics

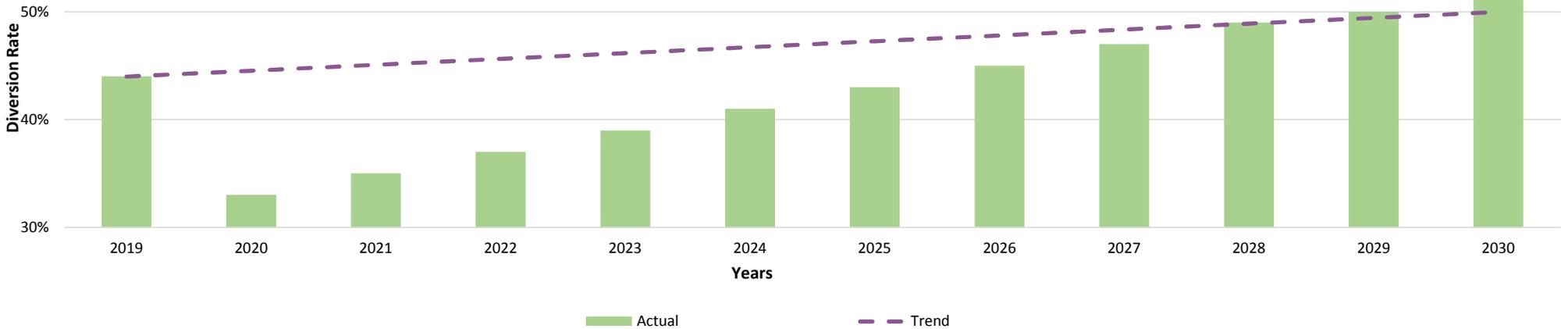
Moving Beyond Sustainability Target Dashboard

**Solid Waste | Target: Achieve 50% landfill diversion rate for operational waste.**

● Understanding this Target

This target prioritizes diverting additional waste from daily operational solid waste from landfill. This compares the total amount of solid waste (including prevented waste) with the amount of solid waste diverted from landfill through prevention, reuse, recycling, and organic waste recycling efforts.

**Target:** Achieve 50% landfill diversion rate for operational waste



Water Quality and Conservation

Solid Waste

Materials, Construction and Operations

Energy Resource Management

Emissions and Pollution Control

Resilience and Climate Adaptation

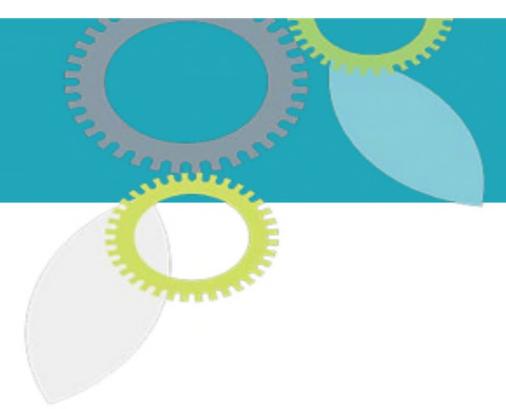
Economic and Workforce Development

Annual APTA Sustainability Metrics

Moving Beyond Sustainability Target Dashboard

## 2019 Annual APTA Sustainability Metrics

Air Quality	2018	2019	Year-to-Year Change
<b>Criteria Air Pollutant Emissions</b> (Pounds per 10,000 Vehicle Revenue Miles)	67.5	58.4	-13.5%
Climate	2018	2019	Year-to-Year Change
<b>Greenhouse Gas Emissions</b> (Pounds CO <sub>2</sub> e per Vehicle Revenue Mile)	6.46	5.78	-10.5%
<b>Greenhouse Gas Displacement</b> (Metric Tons CO <sub>2</sub> e)	-987,490	-918,076	-7.0%
<b>Net Greenhouse Gas Emissions</b> (Metric Tons CO <sub>2</sub> e)	-615,579	-591,123	-4.0%
Energy	2018	2019	Year-to-Year Change
<b>Energy Use</b> (Megajoules per Vehicle Revenue Mile)	52.2	53.5	2.5%



**Thank you.**

**Questions?**