

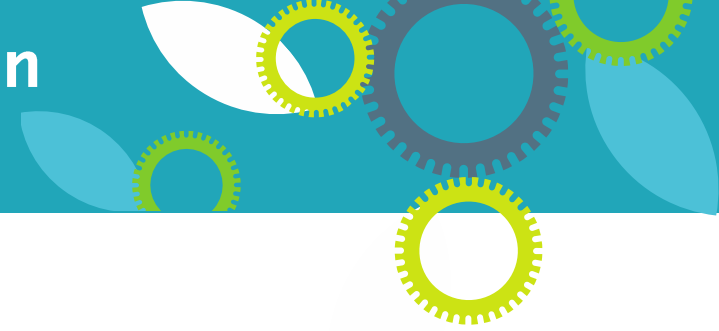


Metro Climate Action and Adaptation Plan

Presentation to the Metro EMC
July 2019

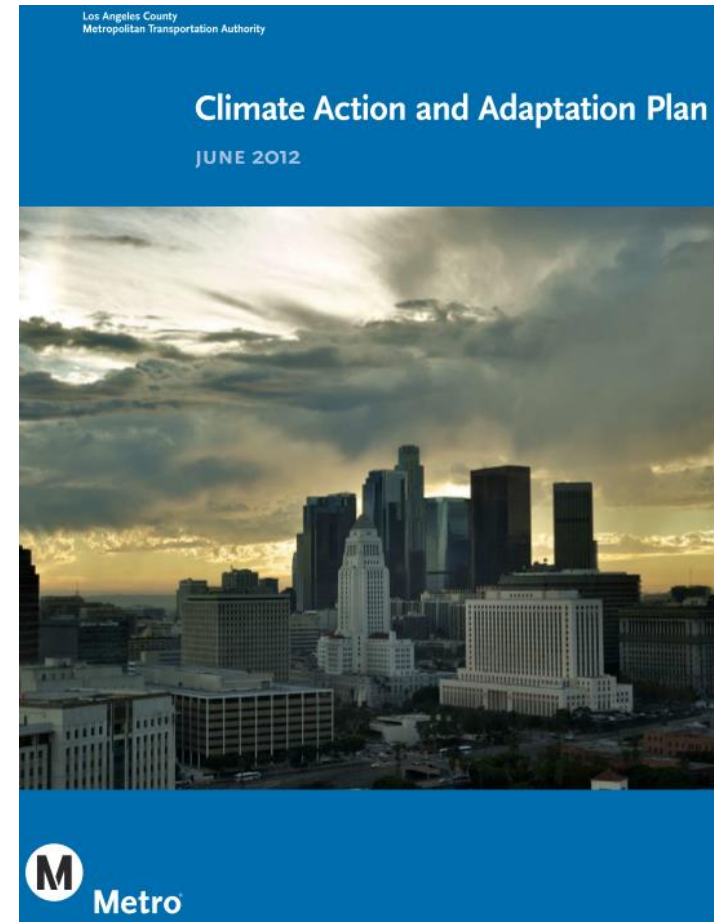


Metro[®]



Overview

- **2012 CAAP established a framework for Metro projects, programs, and facilities to:**
 - Reduce GHG emissions from operations
 - Prepare for the impacts of climate change on Metro's systems
- **2019 CAAP provides:**
 - Updated GHG emissions forecast thru 2050
 - Identifies new GHG goals and reduction strategies
 - Identifies Metro's approach to climate resilience
 - Outlines strategic implementation principles



Metro reduced GHGe by **12%** from 2010 to 2017, despite ~4% increase in service

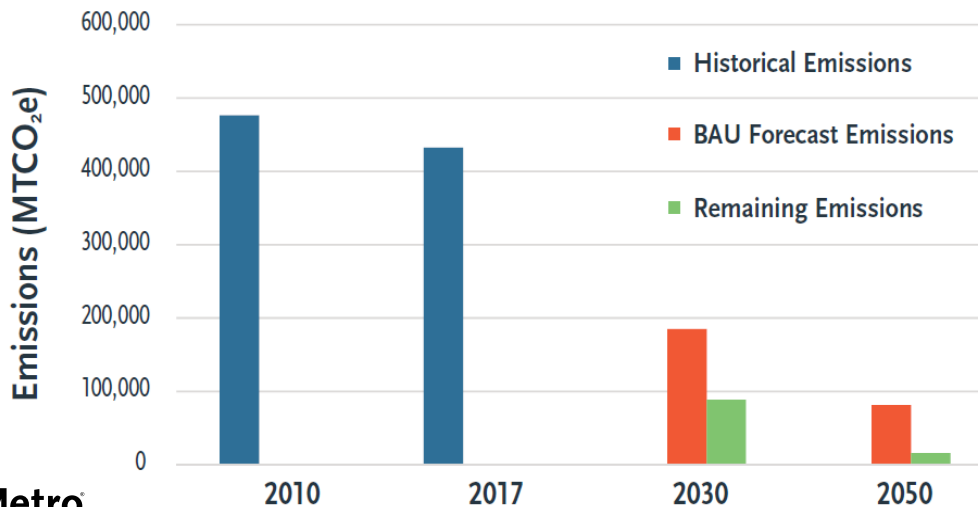


Mitigating GHG Emissions

Goals

- 2030: 79% reduction relative to 2017 levels
- 2050: 100% (zero emissions) relative to 2017

Forecasted emissions with Metro's 13 reduction measures versus Business as Usual (BAU) emissions.



GHG Mitigation Measures

- Zero emission fleets
- Renewable energy supply
- Green buildings
- EV employee commuting



Building Climate Resilience

Goal

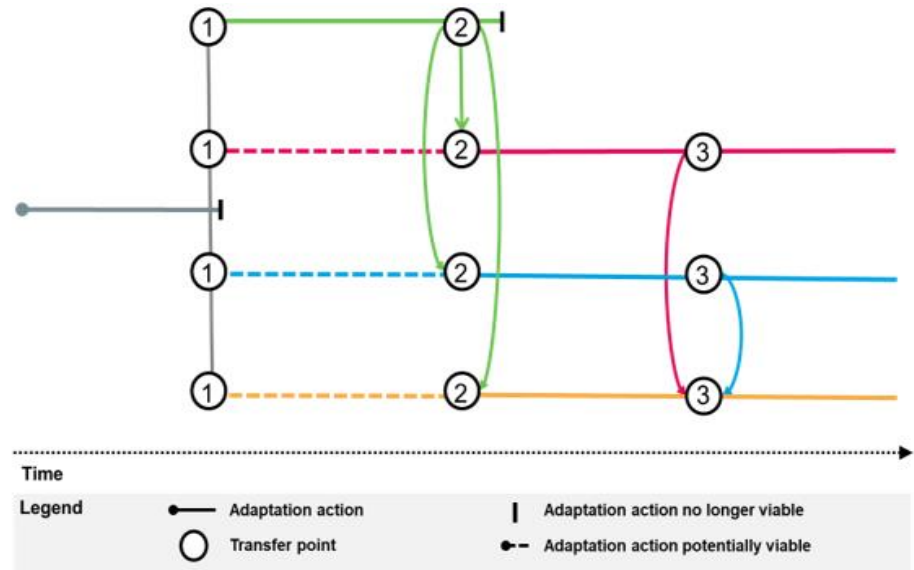
- Create a climate-resilient organization and transit system: prepared, ready and able to provide consistent services to the people of LA County

Resiliency Strategies

1. Make climate resilience an organizational priority
2. Establish a flexible approach to adaptation

Metro increased the number of climate hazards analyzed from 3 to 7 and considered far more assets than just Metro owned assets.

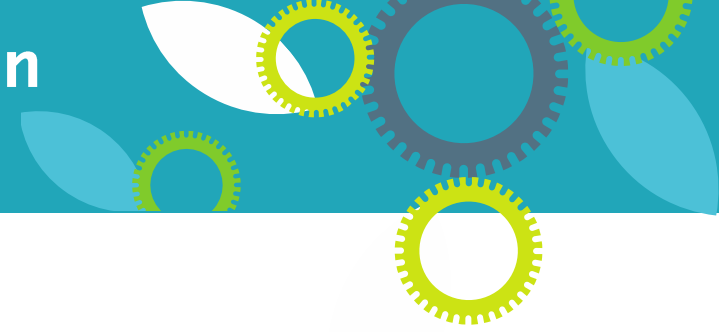
Flexible Adaptation Pathway Model



Stakeholder Engagement

- **Metro Staff interviews**
 - 9 bus and rail divisions
 - Over 18 Gateway headquarters teams
- **Rider Survey**
 - January-February 2019
 - Advertised online via emails, the Source, and Twitter
 - Tabled at NextGen public workshops
 - Received nearly 400 responses
- **Metro Sustainability Council**
 - Presentations and workshops from October 2018 through July 2019
 - *CAAP endorsed by Sustainability Council in its July 12, 2019 meeting*





Looking Ahead

- **Five implementation principles**
 - **Principle 1: Embrace Climate Leadership**
 - **Principle 2: Secure Funding and Prioritize Resources**
 - **Principle 3: Integrate Climate Knowledge into Existing Decision-Making Processes**
 - **Principle 4: Monitor and Evaluate Progress**
 - **Principle 5: Engage with Community Stakeholders**
- **Next Steps**
 - **Metro ECSD continues to act as implementation facilitators to monitor, track, and evaluate progress and outcomes**
 - **Report out on an annual basis through sustainability reporting mechanisms**
 - **Develop projects to implement strategies**