

Caltrain 2023 Sustainability Report



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Agenda

- Background
- FY21-22 Sustainability Findings
- Ongoing Sustainability Initiatives
- Future Opportunities

Sustainability Program Background

- Founding signatory of APTA Sustainability Commitment
 - Silver Status
 - Ongoing tracking of resource use
 - Annual data reporting to APTA
 - Biennial reports
 - First report in 2017
 - 2023 Report – 4th Report



Caltrain Sustainability – Pre- (FY19) vs. Post-Pandemic (FY22)

GHGs

- Generated:
↓0.2%
- Avoided:
↓79%

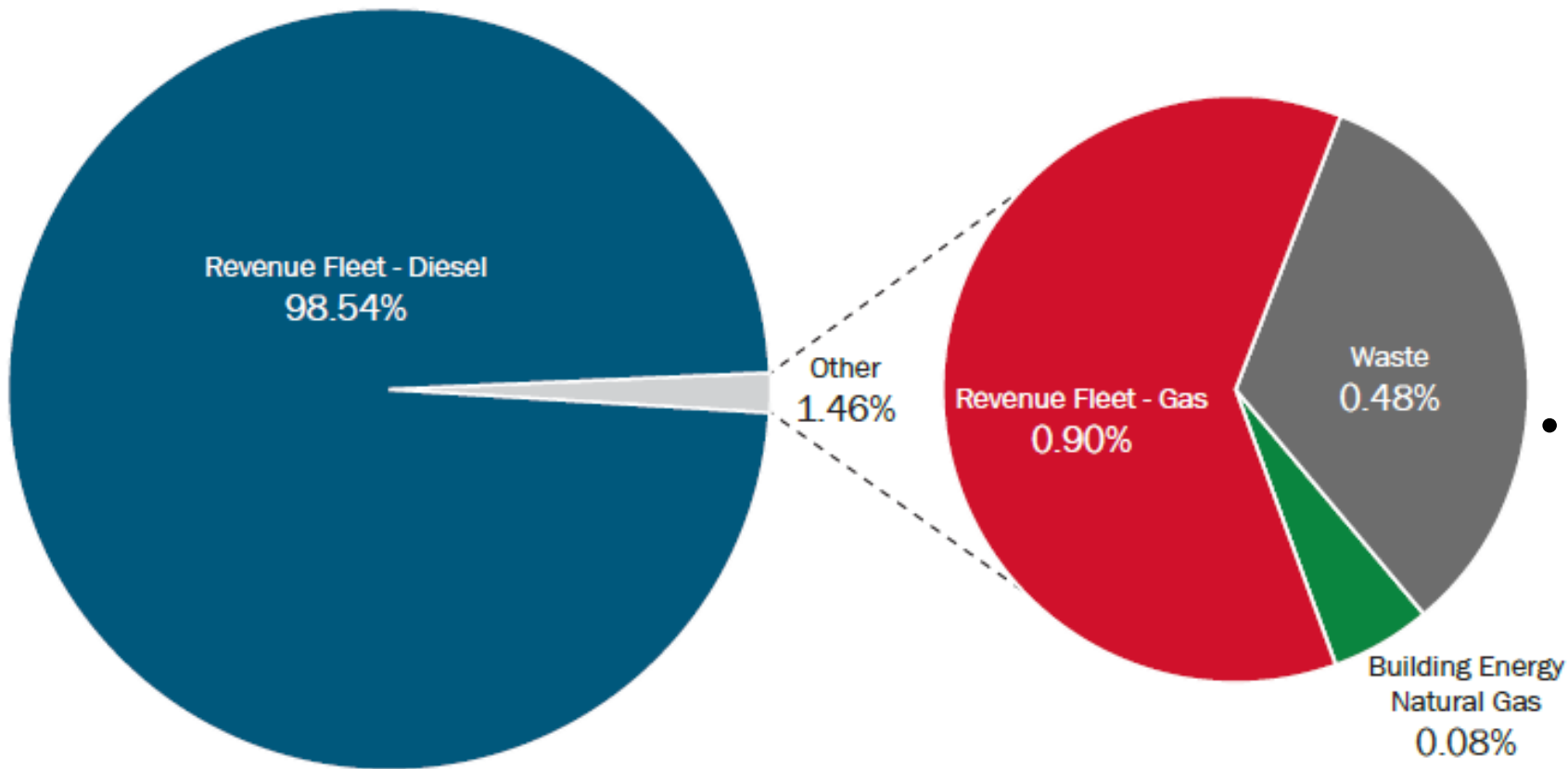
Facilities

- Electricity:
↓~24%
- Gas: ↓42%

Natural Resources

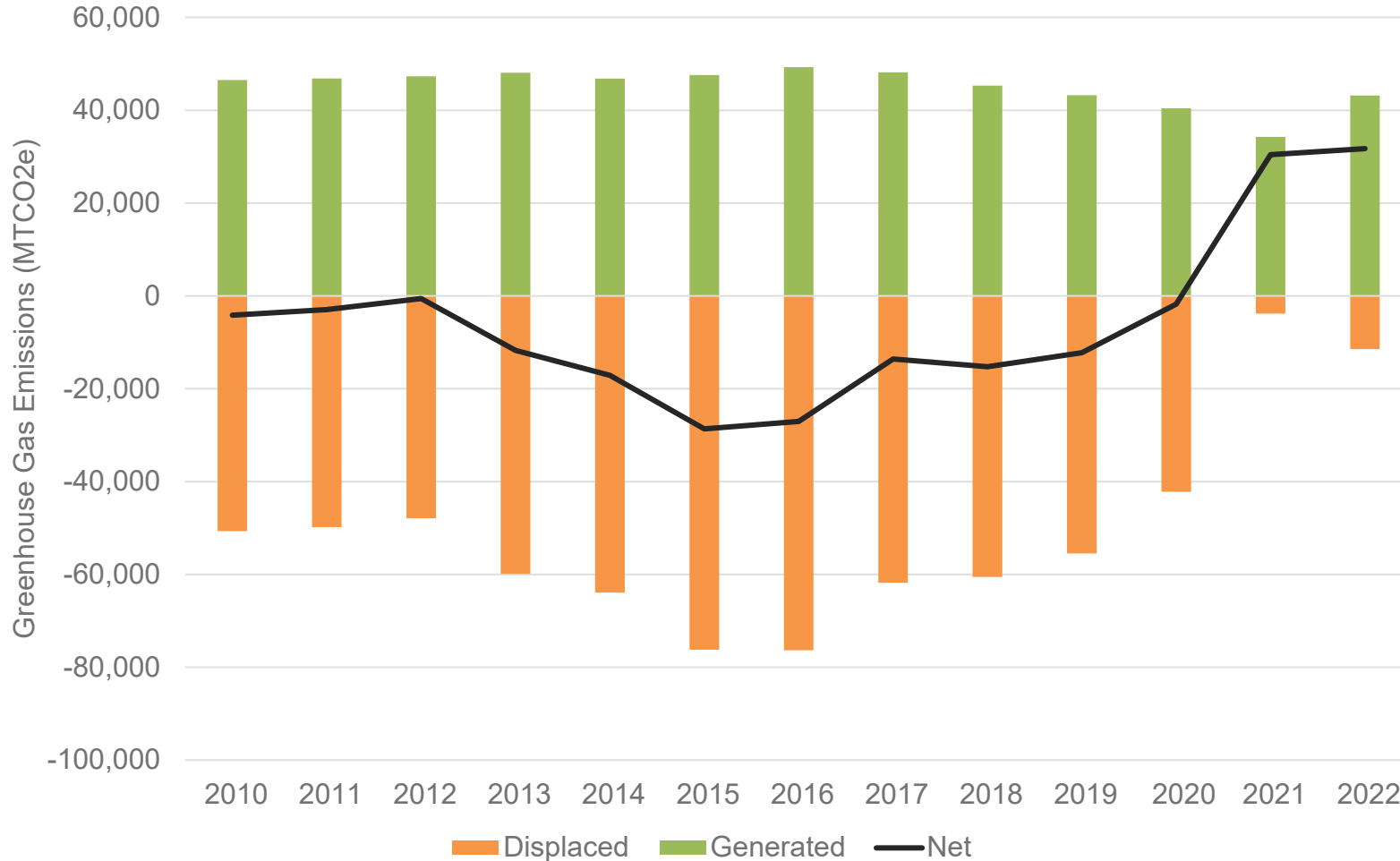
- Generated waste:
↓15%
- Water:
↓~4%

Greenhouse Gas (GHG) Snapshot



- Almost 99% of emissions from diesel fleet
 - Anticipate massive reduction w/ shift to EMUs
- When diesel is reduced, other GHG sources will be magnified
 - Water, waste, non-rev vehicles

Greenhouse Gas (GHG) Emissions

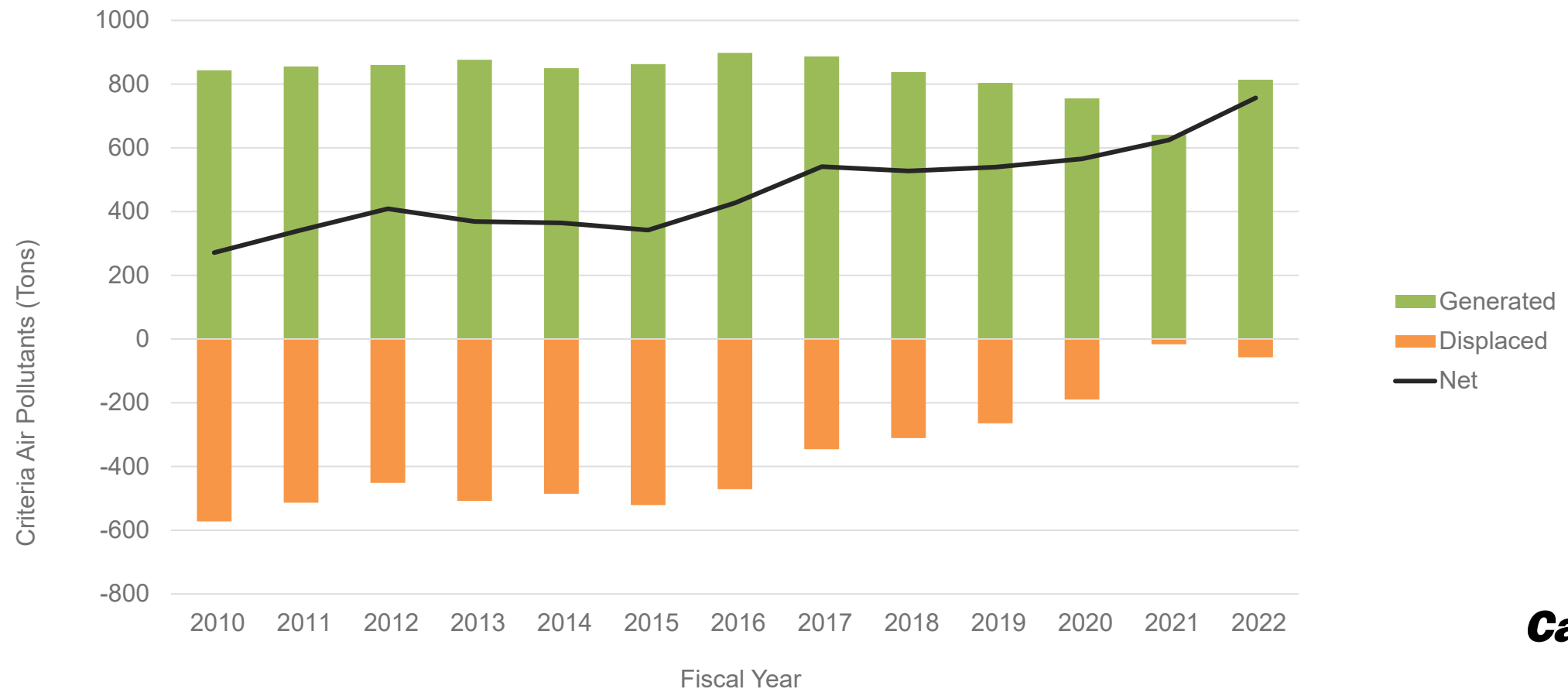


- For FY19 vs. FY22, generated emissions ↓~0.2%; net GHG emissions ↑360%
- Avoided emissions recovering - ↑200% FY21 v. FY22

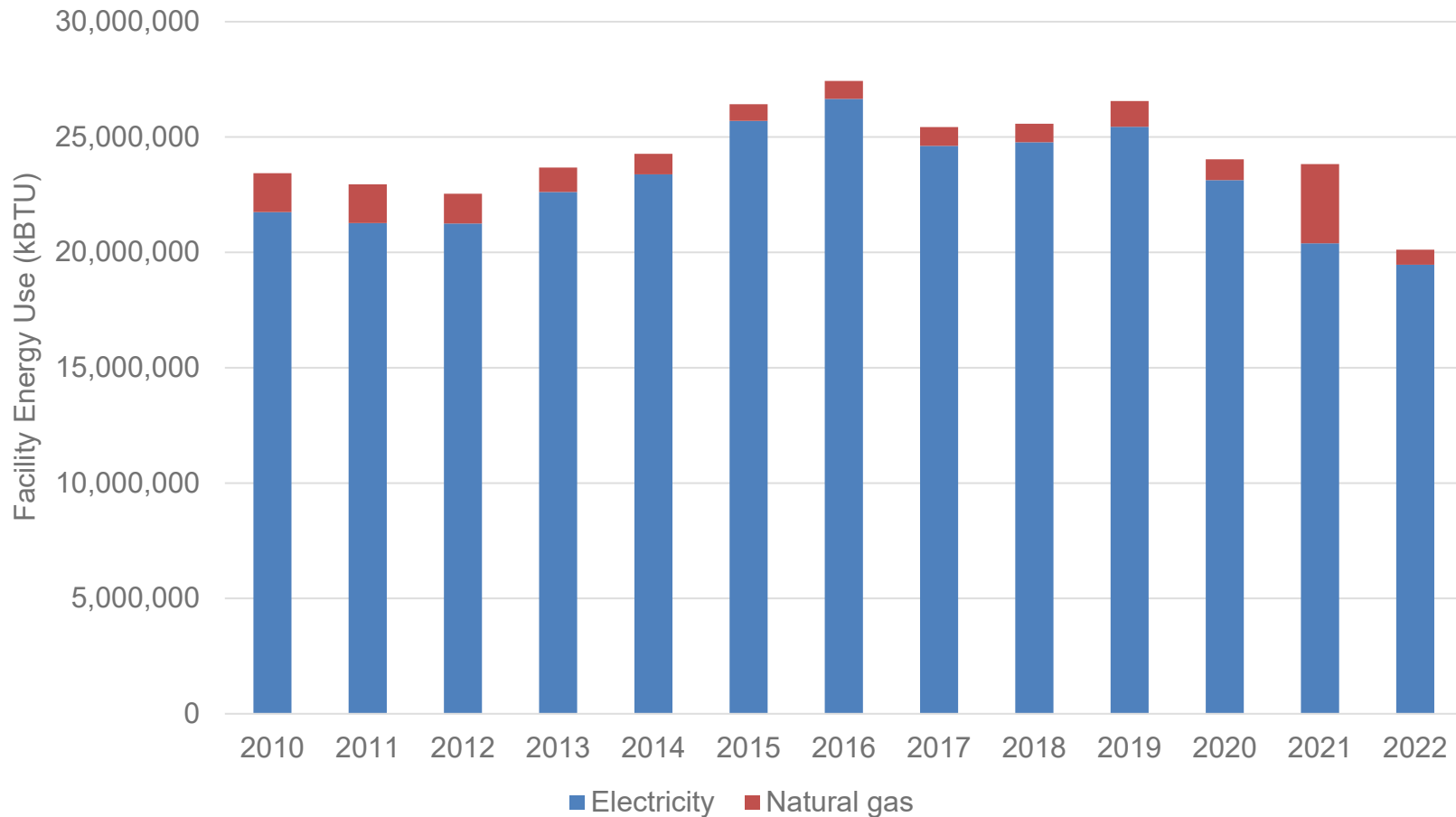
Criteria Air Pollutants (CAPs)

Net CAPs ↑ ~40% with increased service, less displaced due to ridership (FY19 vs. FY22)

- EMUs will produce no CAPs, lead to drastic reduction

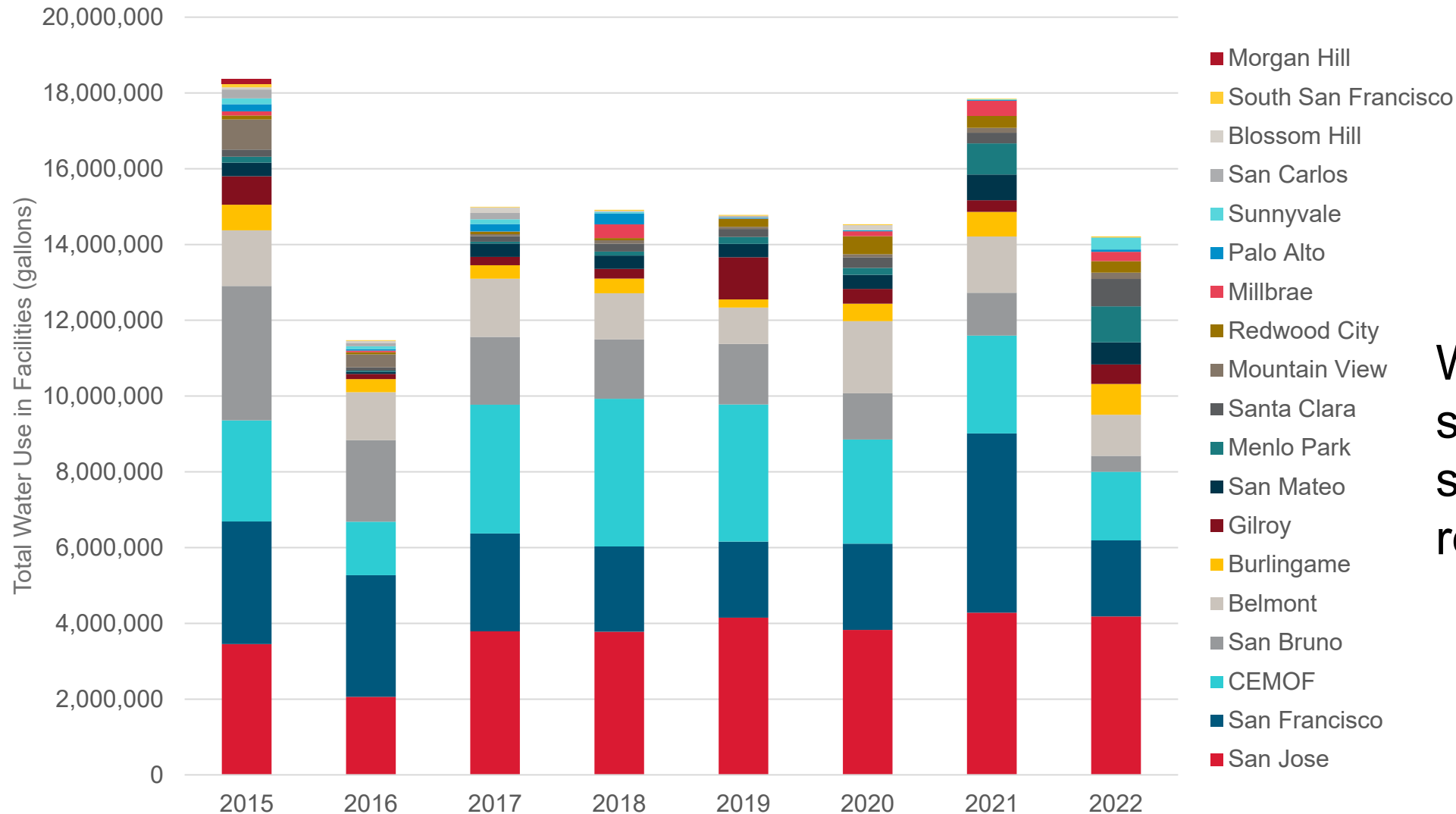


Facility Energy



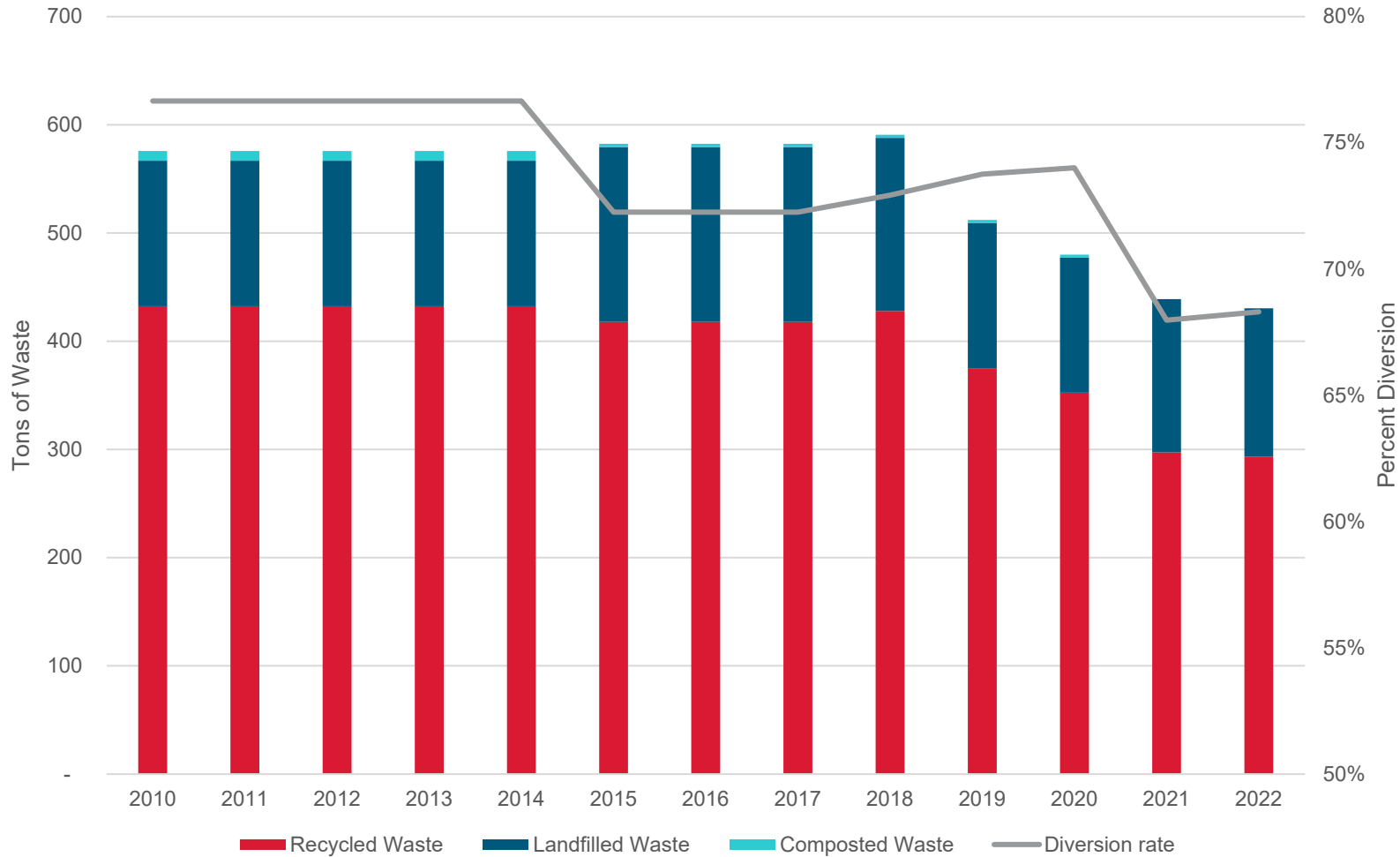
- 100% renewable facility electricity since FY20
 - Annual emission equivalent of 261 cars eliminated
- Energy purchased continues to decrease (FY19 v. FY22)
 - Electricity: ↓~24%
 - Natural gas: ↓42%
- CEMOF largest energy user

Water



Water use ↓40% since FY14; ↑~20% since drought restrictions lifted

Waste



- For FY22, total waste generated ↓ ~15% vs. FY19
 - Decrease in diversion – also generating less recycling
- To-Dos:
 - Update of current waste inventory
 - Ensure compliance with regional and state recycling laws

Ongoing Sustainability Initiatives

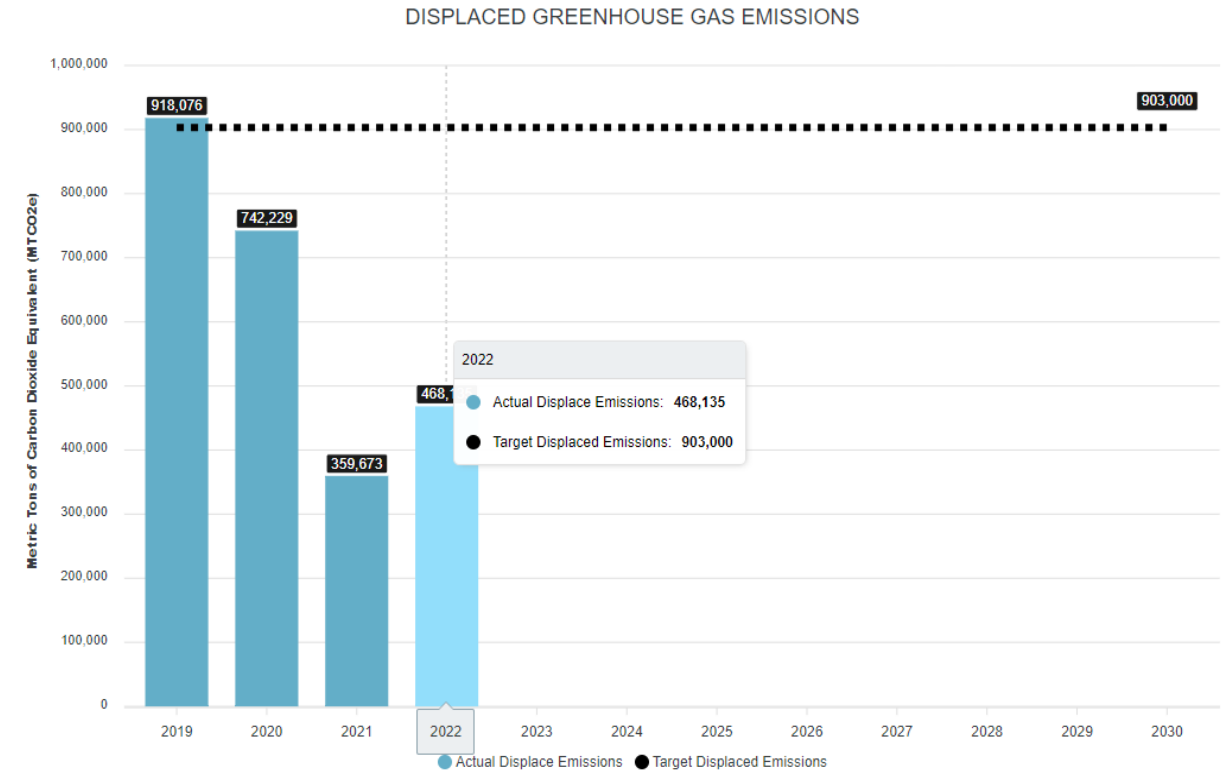
- Increased employee engagement
 - Hub Internal page
 - National Recycling Day
- Energy Policy
- Caltrain non-revenue fleet CARB compliance



Sustainability Work Coming Soon

- Caltrain Strategic Sustainability Plan
 - What do we want to prioritize after electrification?
 - Goals and targets
 - Spring launch
- Caltrain Climate Change Vulnerability Study
 - Caltrans grant
 - System-wide vulnerability analysis
 - Extensive outreach
- Updated sustainability website

- Move to a dashboard/ closer to real



LA Metro [Sustainability Performance Dashboard](#)

Thank You

Please email baneyb@caltrain.com with any questions.



FOR MORE INFORMATION

WWW.CALTRAIN.COM

