



SamTrans 2023 Sustainability Report



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Principal Sustainability Planner

SamTrans Board of Directors
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Agenda



- Background
- FY21-FY22 Sustainability Findings
- Ongoing Sustainability Initiatives
- Future Opportunities

Sustainability Program Background

- Founding signatory of APTA's Sustainability Commitment (2010)
 - Core principles: measuring specific indicators, employee outreach, designating sustainability as a strategic objective
- First report completed in 2017
- 2023 (FY21-FY22) Report Scope
 - SamTrans Operations & Services (Facilities, Fixed-Route Bus, Paratransit, Shuttle Service)
 - District-wide (non-revenue vehicles, employee commute, centralized facility function)



SamTrans Sustainability FY21 vs. FY22

GHGs

- Net: ↑11%
- Avoided:
↑44%

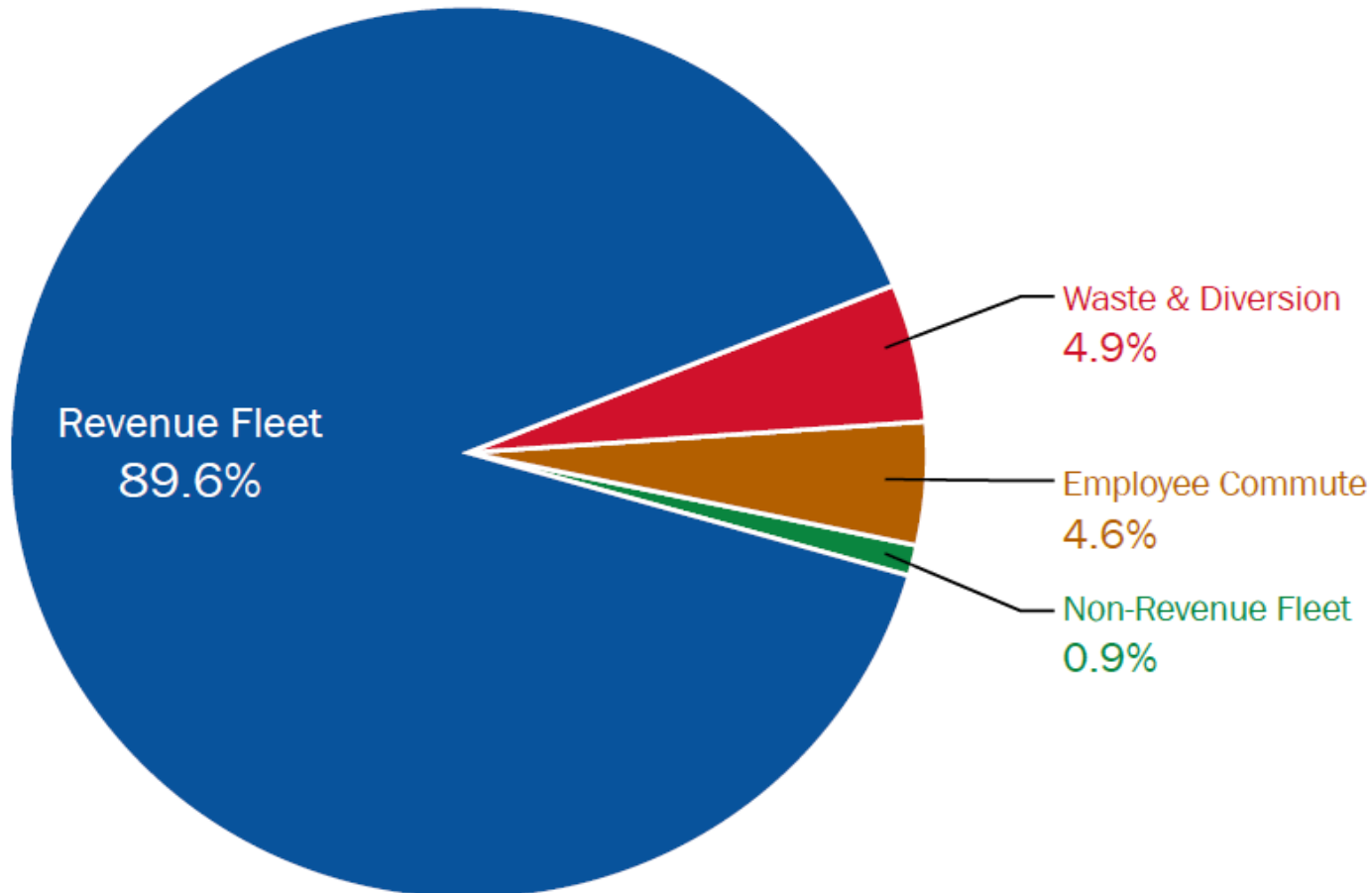
CAPs

- Generated:
↓63%
- Net: ↓72%

Facilities

- Electricity:
↓6%
- Natural
Gas: ↓13%

Greenhouse Gas (GHG) Snapshot



**No emissions from water have been generated since FY2020.*

- Generated emissions increased by approximately 11% FY21 vs. FY22
 - Return of service post-lockdown
- Zero GHG emissions from electricity for the 5th year in a row.

Greenhouse Gas (GHG) Emissions

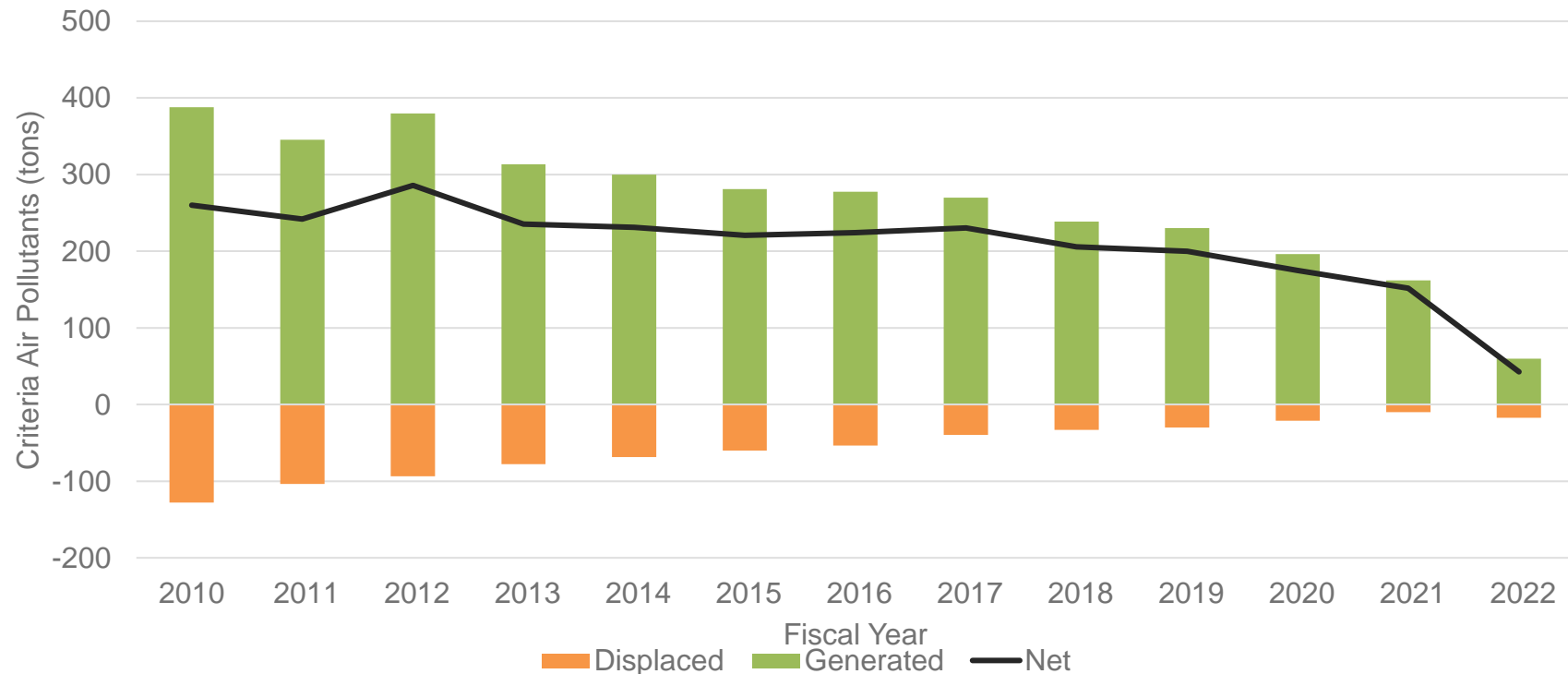


- Recorded a ~6% decrease in generated GHGs between FY2020 and FY2022
- Overall decrease of 7% (FY10-FY22)

Criteria Air Pollutants (CAPs)

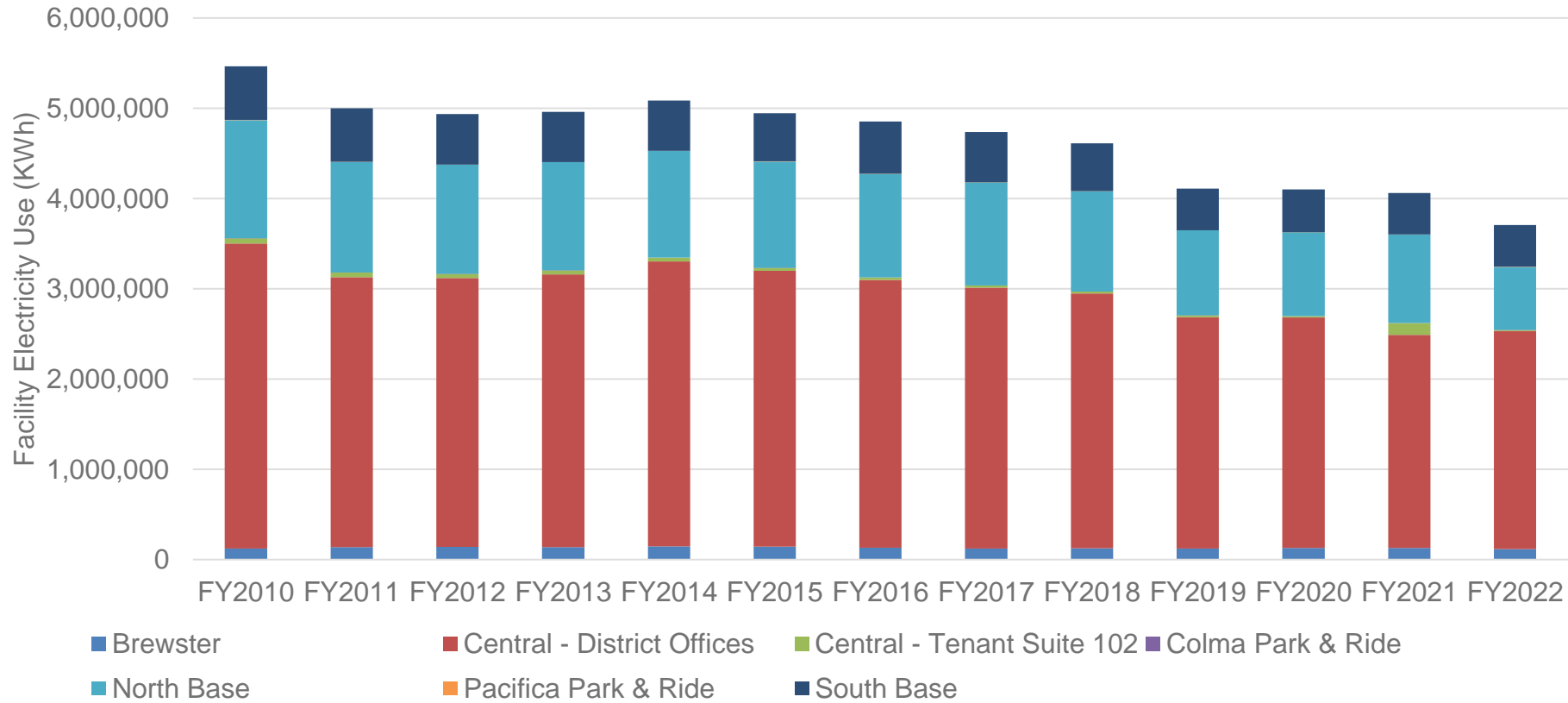
For FY21 vs. FY22, generated CAPs decreased by approximately 63% and net CAPs decreased by approximately 72%

- Combination of technology improvements, software (SensoTop), and cleaner fuel

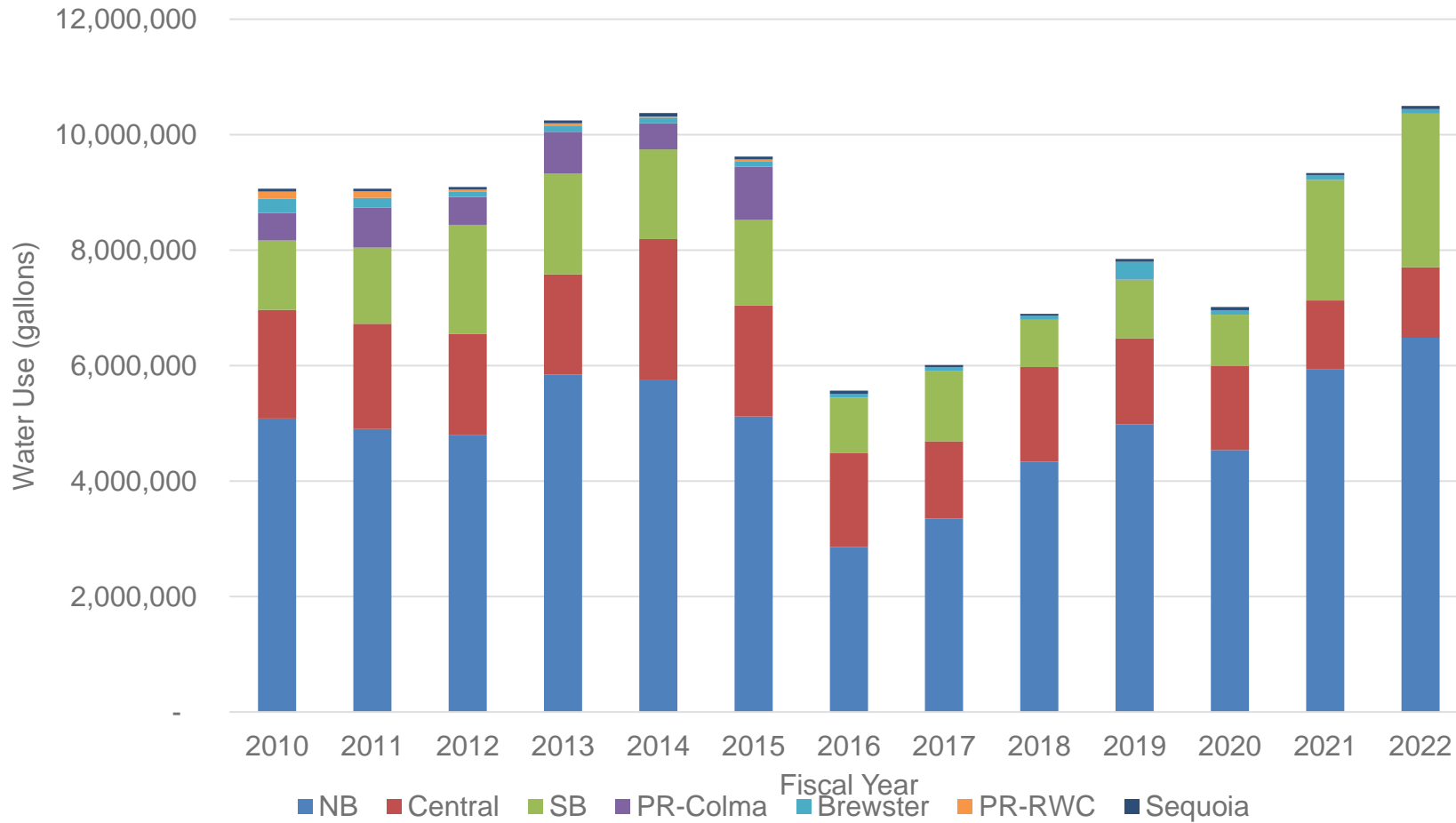


Facility Energy - Electricity

Electricity consumption decreased by ~6% (FY21 vs. FY22). Combined facility natural gas and electricity (kBtu) decreased by ~9%.

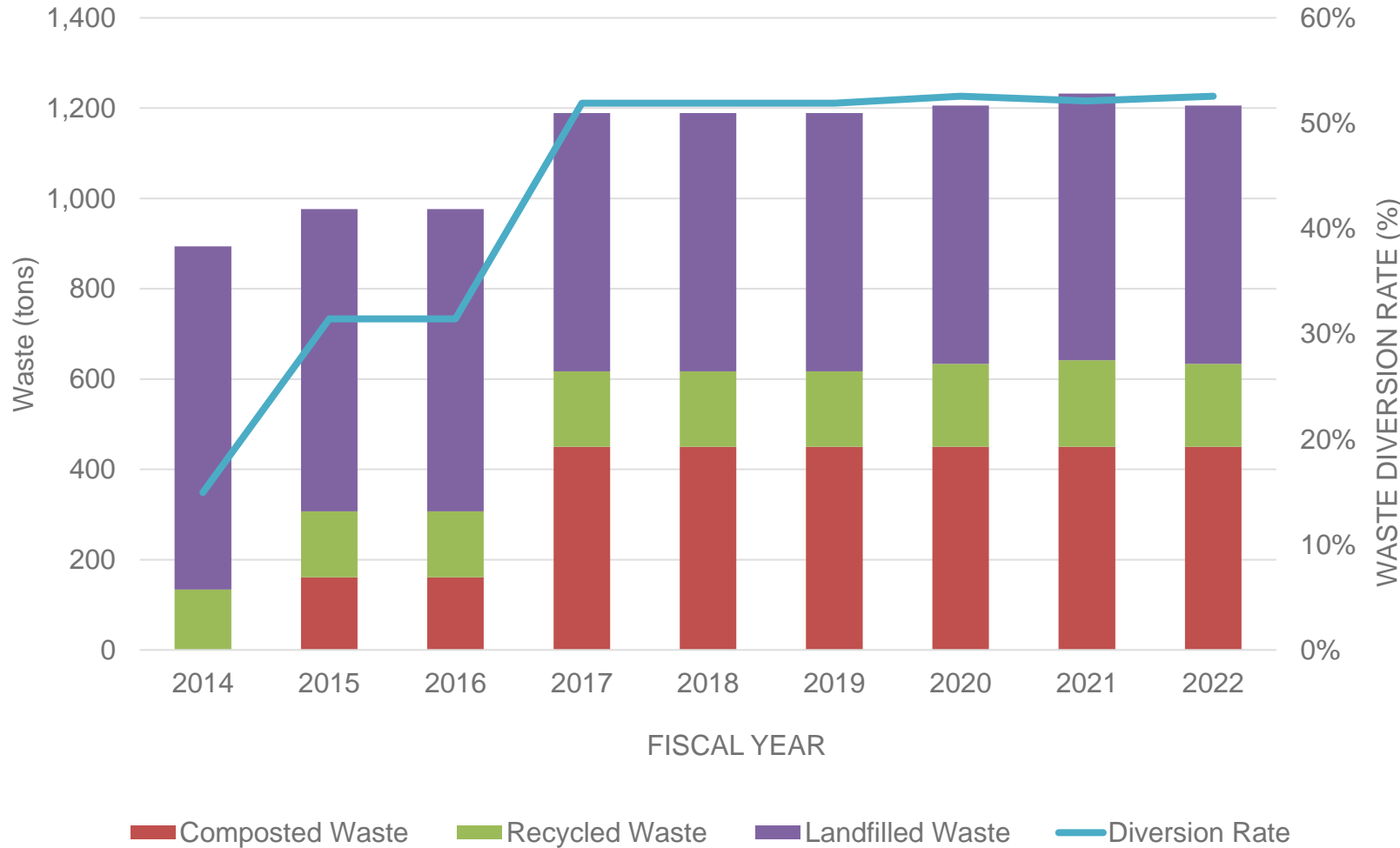


Water



- Water consumption increased by ~12% during reporting period
 - Facility usage ↑ each year since drought restrictions ended in 2016, esp. at NB
- Bus wash systems recycle 70-85% of water
 - Number of leaks led to increased usage

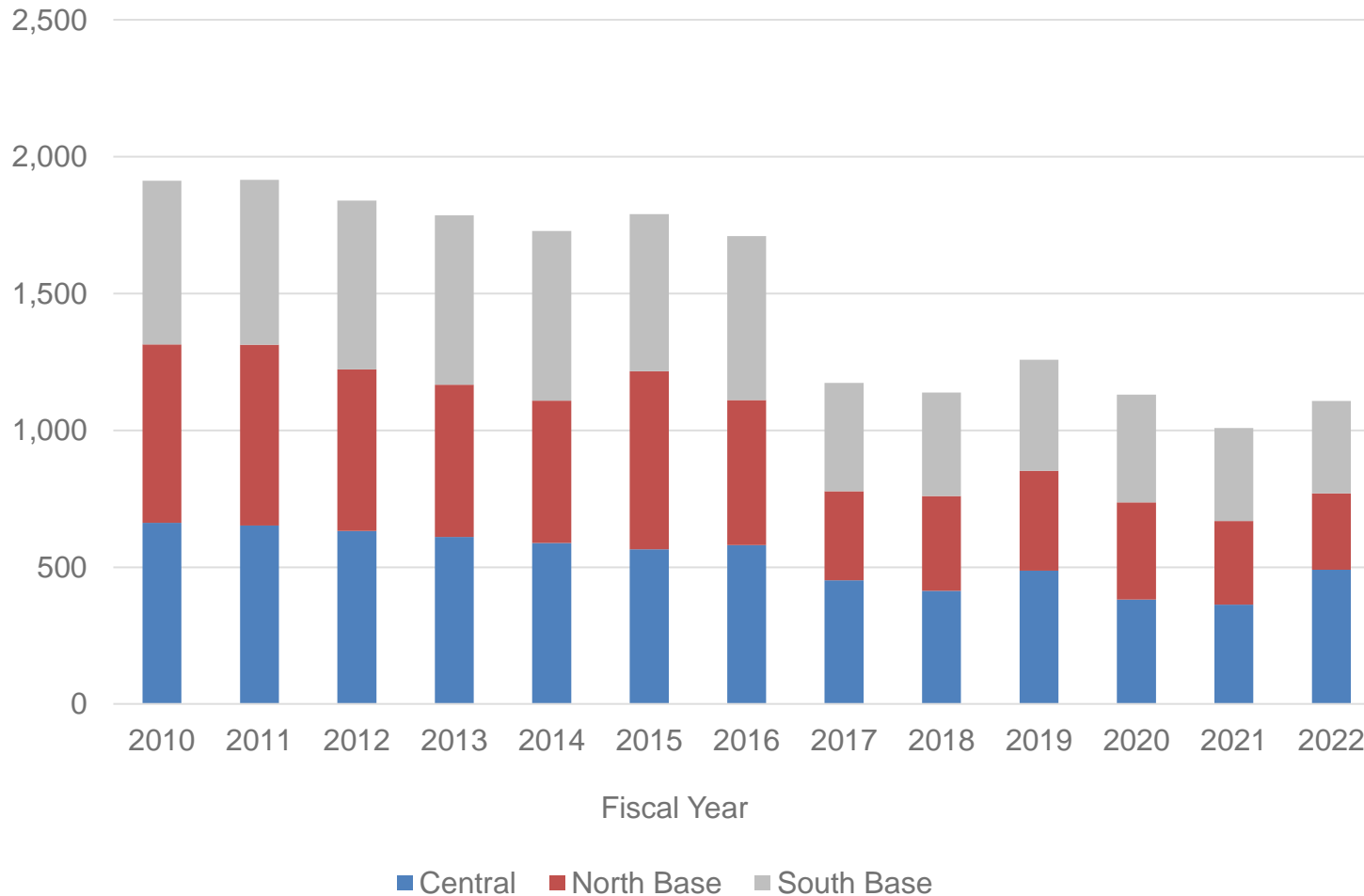
Waste



- From FY14 – FY22 diversion ↑38%
 - (15% -> 53%)
- Audit of current waste generation needed
 - Better tailor service requirements
 - More accurate diversion

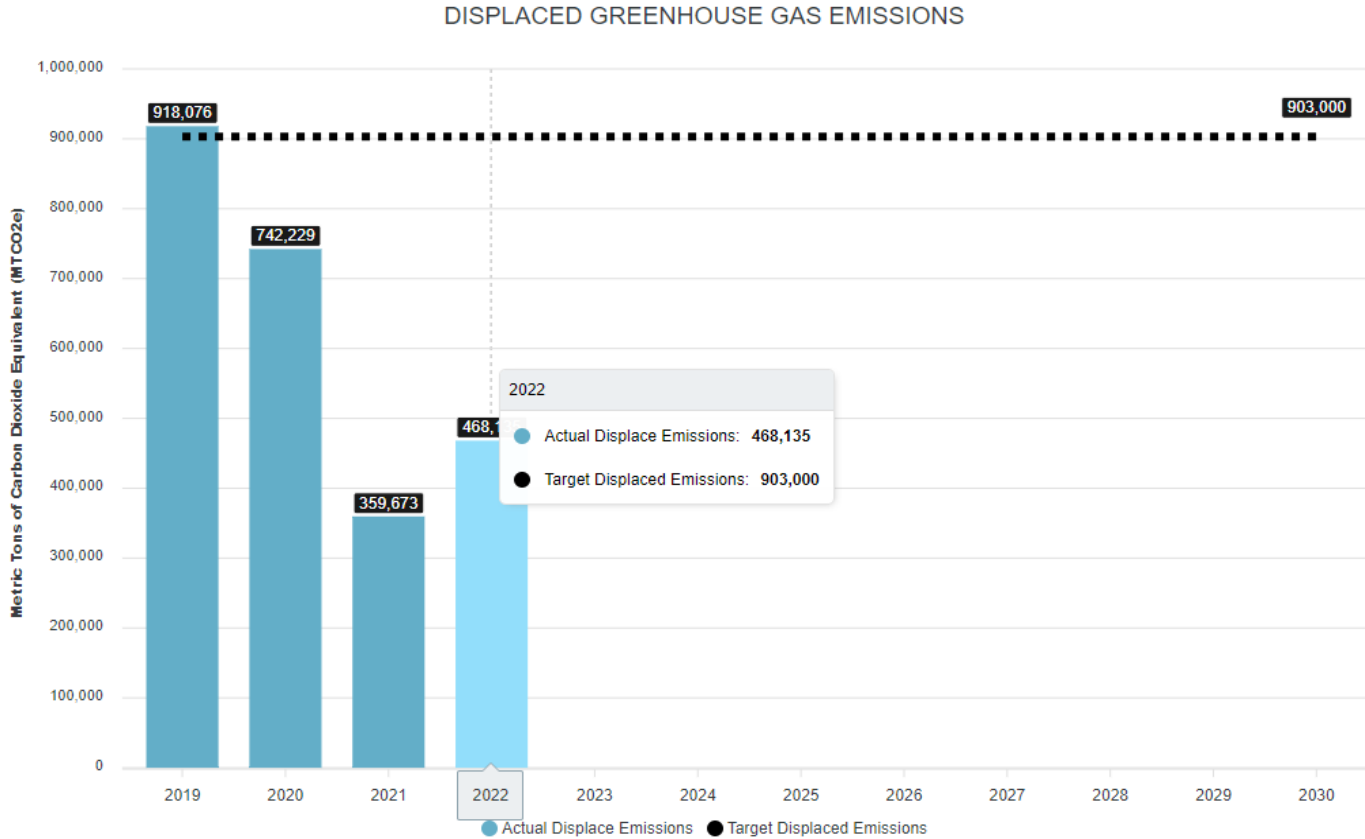
Employee Commuting

Employee Vehicle Commute GHG Emissions (MTCO2)



- Assumptions made using regional commuter data (American Community Survey)
- For FY2022, assumed 2/3rds of Central staff in office
 - Assumed full-time commute for Base employees

Ongoing Initiatives



- Implementing EMS (environmental management system) – proactive management
- Zero-emission fleet transition
- North Base resiliency projects
- Increased employee engagement
- Environmental equity
- District Strategic Plan (2025-35)

LA Metro [Sustainability Performance Dashboard](#)

Future Opportunities

- APTA Certification (Gold)
- Comprehensive emissions tracking
 - Hydrogen fuel tracking, employee commute update/survey
- Waste and water footprint assessments, reduction
- New HQ sustainability measures
- Employee TDM Program

Thank You

Please email baneyb@samtrans.com with any questions

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