



Sunnyvale

Climate Action Playbook Updates & Draft Game Plan 2028

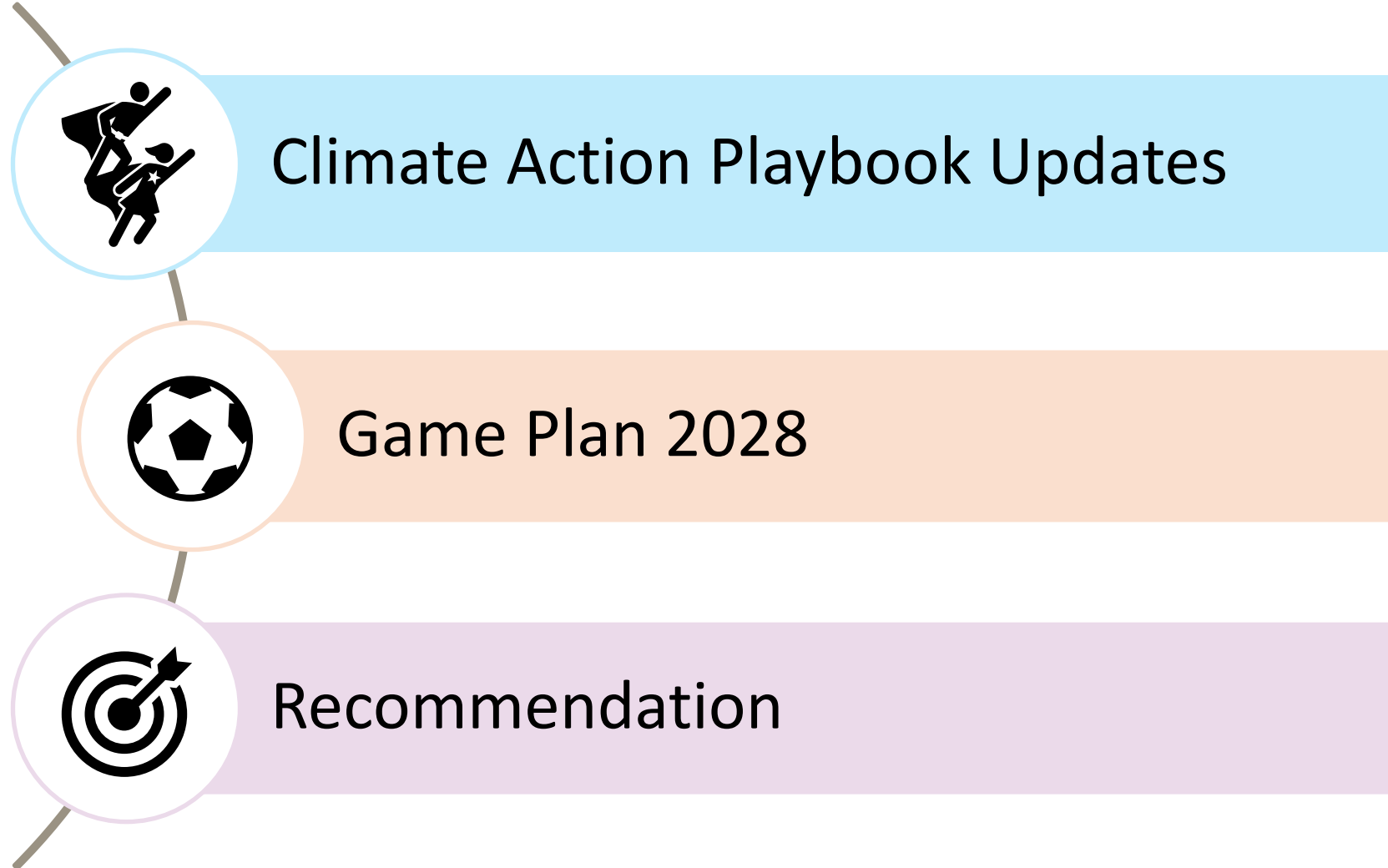
BPAC, Public Hearing

May 16, 2024

Environmental Services Department



Agenda



Council and Commission Engagement

Playbook Updates + Draft Game Plan (pre-public review)

- Council Study Session
October 10, 2023.
- Joint Study Session
November 30, 2023
(Bicycle and Pedestrian
Advisory, Planning and
Sustainability Commissions).

Playbook Updates + Draft Game Plan (post-public review)

- Council Study Session
March 19, 2024.

Adoption Hearings

- BPAC May 16, 2024.
- Sustainability
Commission May 20,
2024.
- Planning Commission
May 28, 2024.
- City Council June 25,
2024



Climate Action Playbook Updates

Why Amend the Playbook?

State's New Carbon Neutrality Target

- From 80% by 2050 to 85% by 2045

CEQA Streamlining Requirements

- Requires alignment to State 2045 target
- Provides CDD with checklist to streamline CEQA GHG evaluation

Updated forecasts for 56% by 2030

- New Play Metrics
- Addition of Play 3.4: Decarbonize off-road equipment and vehicles

Sunnyvale's Climate Action Playbook



Six Playbook Strategies for the Win



PROMOTING CLEAN
ELECTRICITY



DECARBONIZING
BUILDINGS



DECARBONIZING
TRANSPORTATION &
SUSTAINABLE LAND USE



MANAGING RESOURCES
SUSTAINABLY

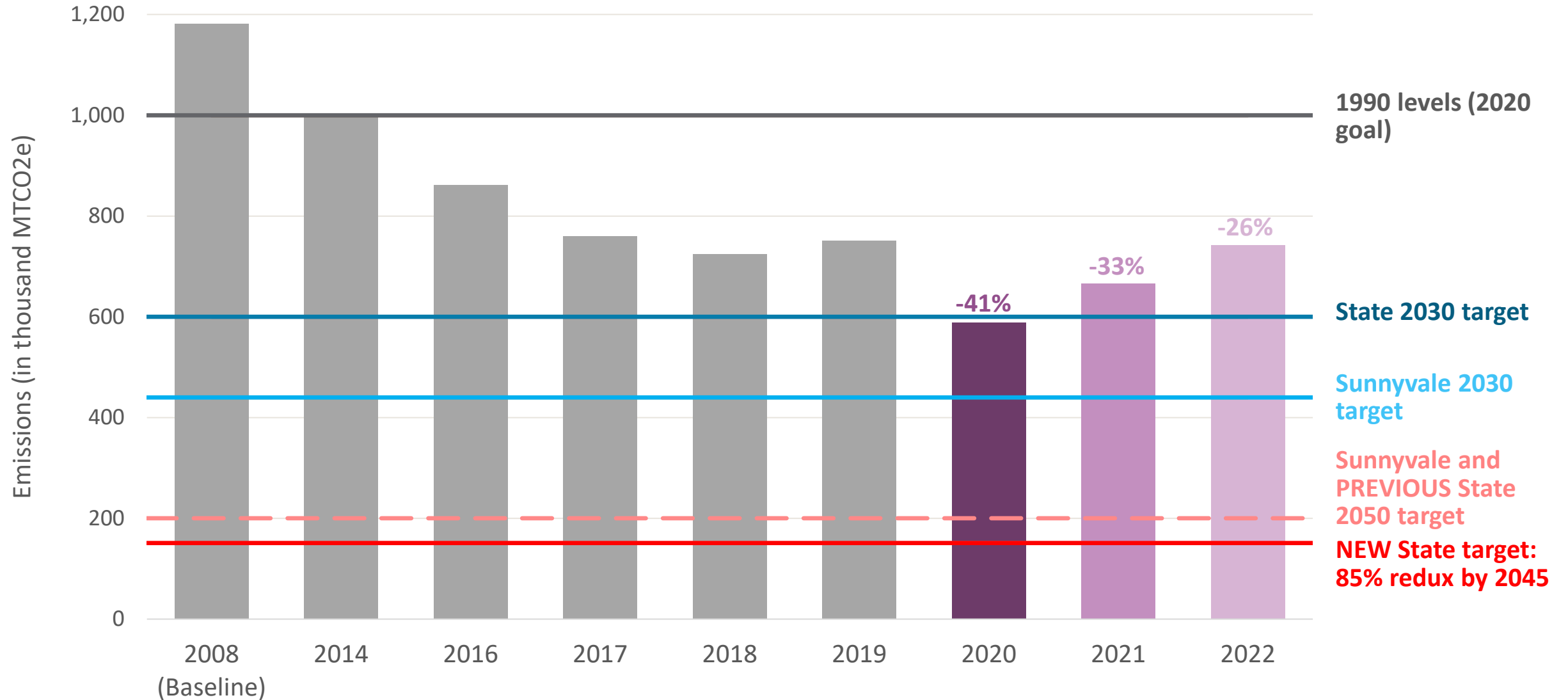


EMPOWERING OUR
COMMUNITY

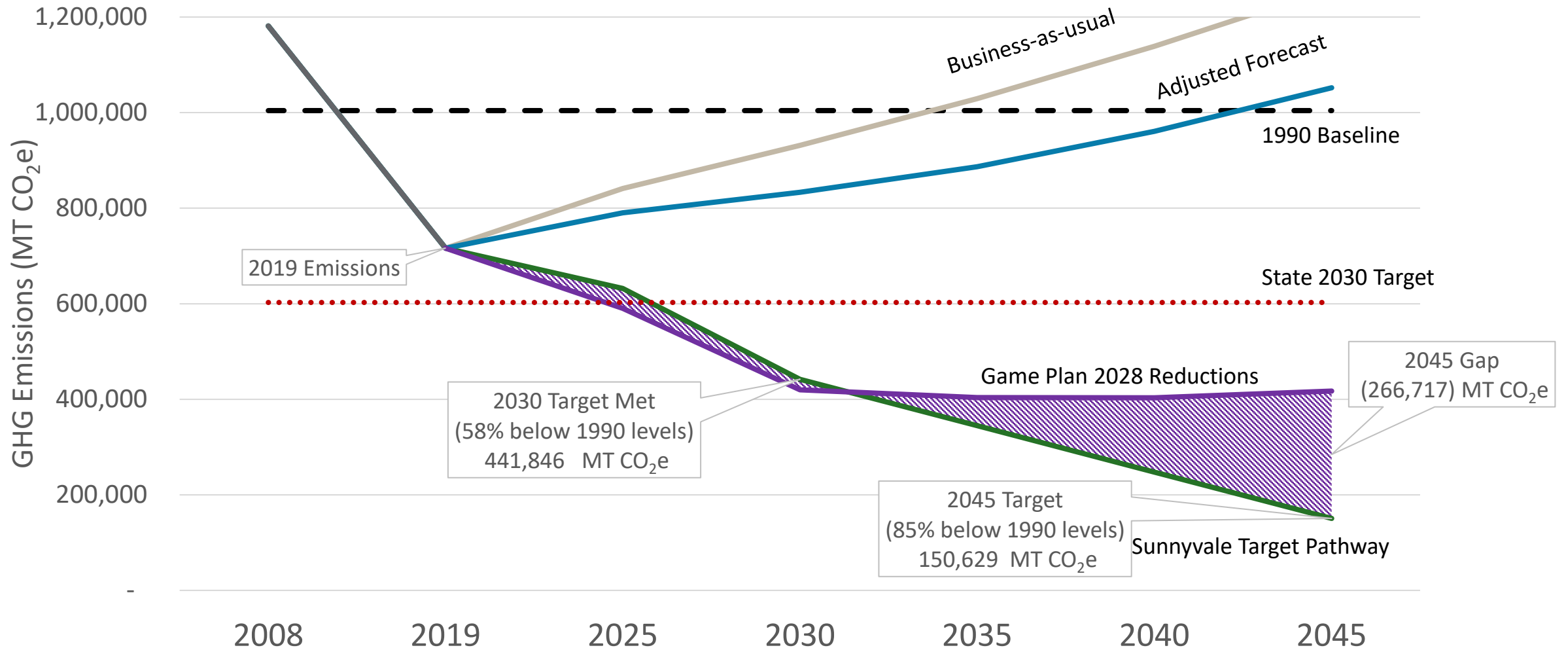


ADAPTING TO A
CHANGING CLIMATE





Community-wide GHG Emissions



Updated Forecast



Updated Playbook Metrics

	2030	2045
 Strategy 1: Promoting Clean Electricity		
% Participation in Clean Electricity	100%	100%
% Electric Load from Solar	3%	5%
% Electricity Demand in Local Battery Storage	2%	5%
 Strategy 2: Decarbonizing Buildings		
% Reduction in Residential Natural Gas Use *	44%	92%
% Reduction in Non-residential Natural Gas Use *	38%	86%
% All-electric New Buildings	100%	100%
 Strategy 3: Decarbonizing Transportation and Sustainable Land Use		
% Reduction in Vehicle Miles Traveled (VMT) per person	20%	30% (25%)
% On-road Zero Emission Vehicle Adoption	42% (25%)	90% (75%)
% Off-road Zero Emission Equipment Adoption *	30%	75%
 Strategy 4: Managing Resources Sustainably		
% Reduction in Landfill Organics *	75%	75%
Reduce Landfilled Garbage (Pounds per person per day)	1 lb	< 1 lb

Notes:

* (orange) New or Updated Metric with Target

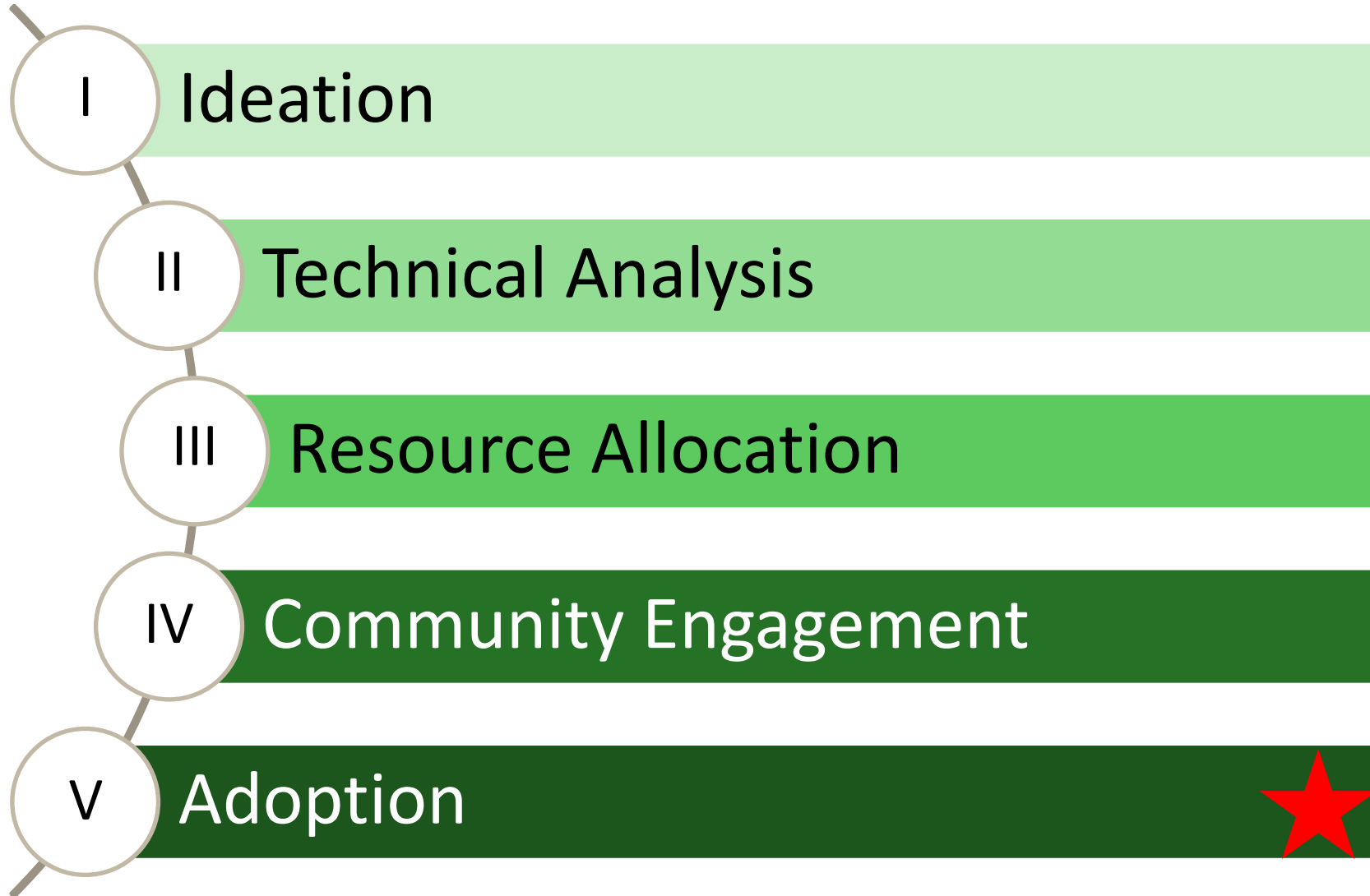
% (green) Target increased from last Playbook

Previous target in parenthesis



Draft Game Plan 2028

Game Plan 2028 Development



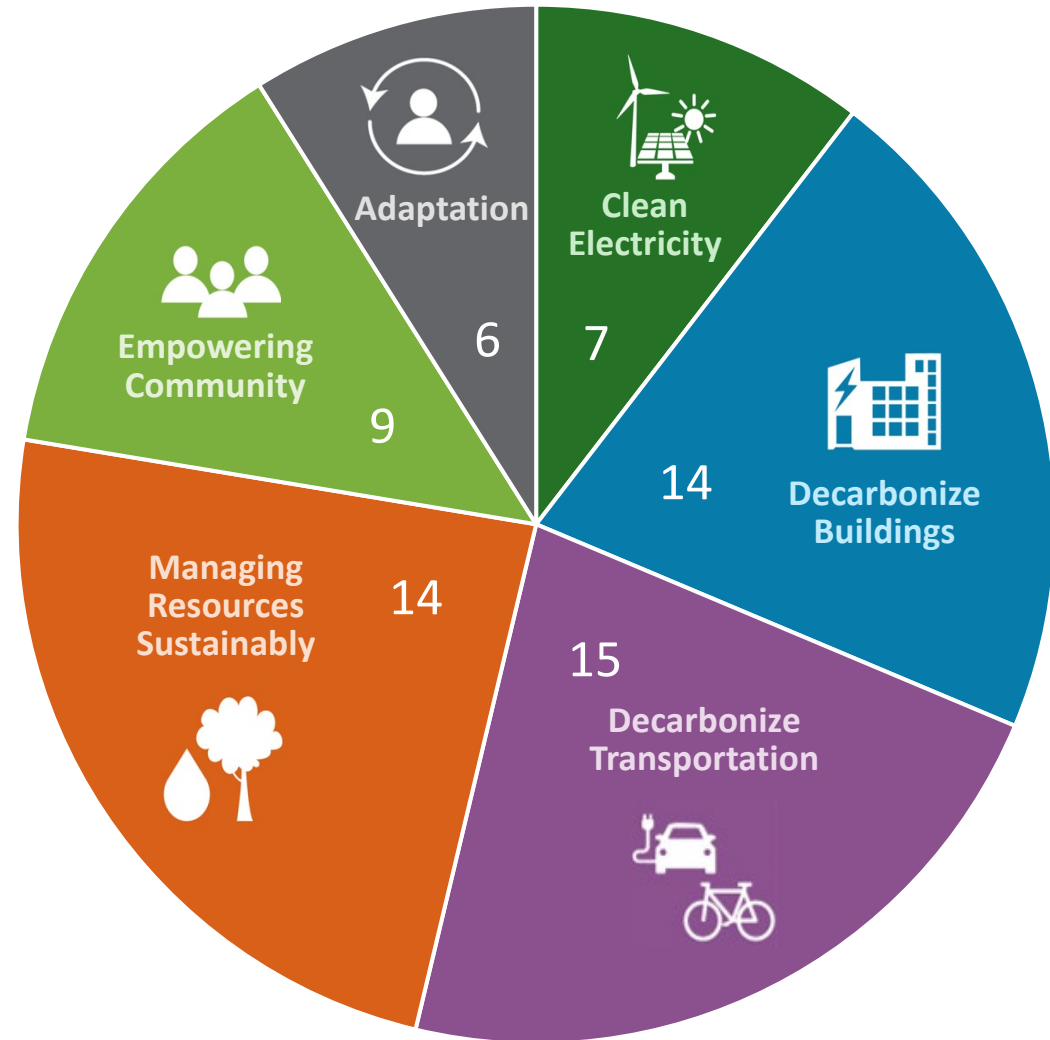
Draft Game Plan 2028

65 total Moves

5 years (FY 23/24 – FY 27/28)

33 returning

32 new



Public Review

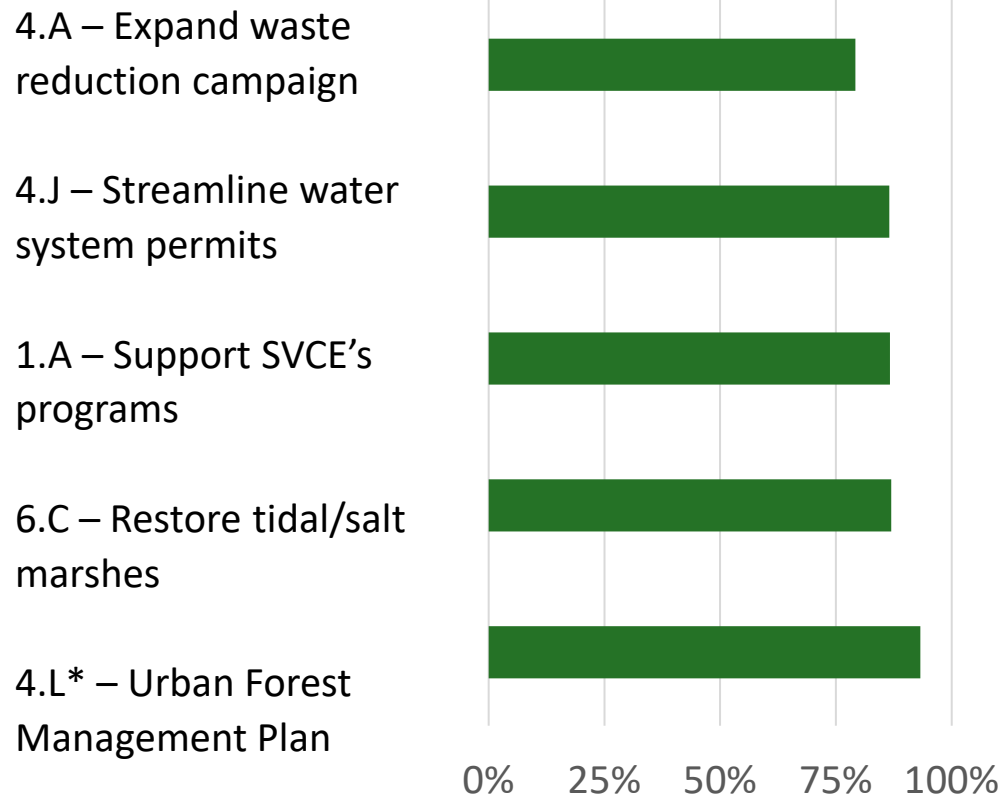


	Activities	Presentations
Meetings		57
Workshops	53	
Study Sessions		30
TOTAL	53	87

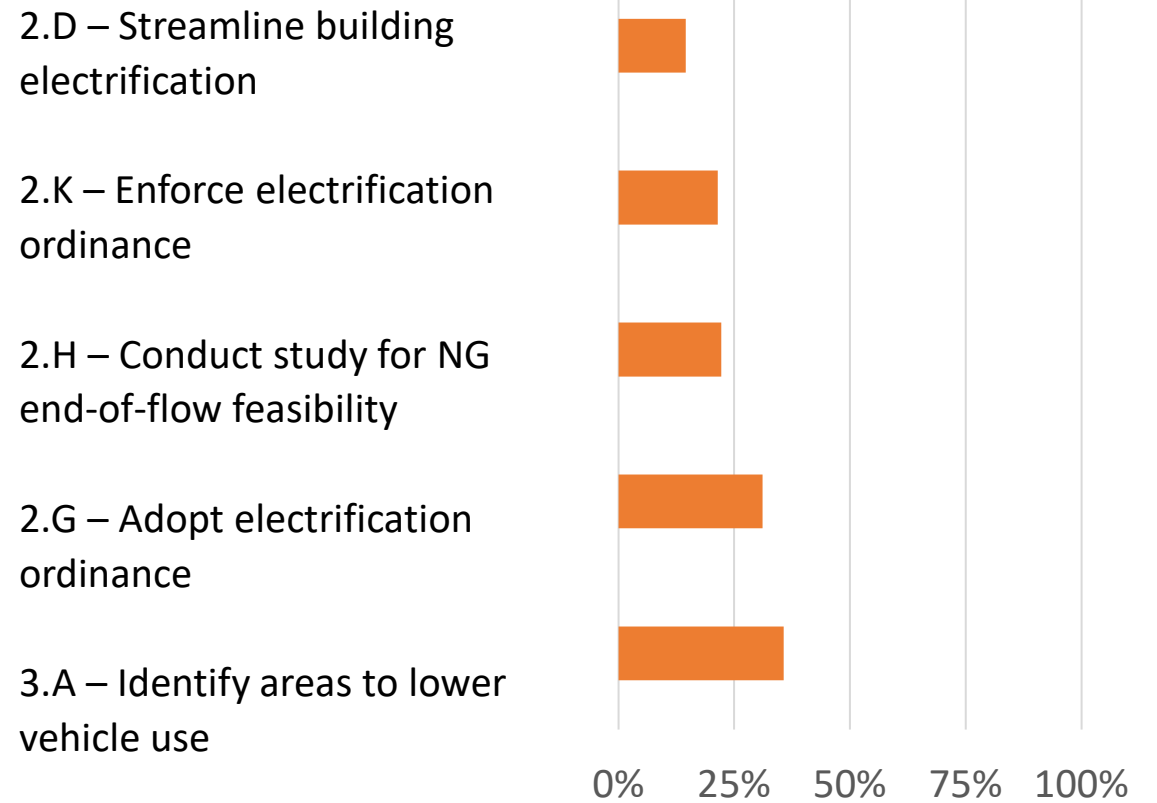
Surveys	Visitors	Responses
English	258	51
Spanish	506	0
TOTAL	764	51

Community Feedback

Most Enthusiasm



Most Concern



**Move 4.L is now Move 4.M*

Changes to Draft Game Plan 2028



Removed Move referencing Green Prime and added supporting language to Move 1.A



Clarified electrification ordinance options and aligned Move language preparing Sunnyvale for implementation of BAAQMD Rules 4 and 6.



VMT metrics for 2030 and 2045 were re-evaluated to increase VMT reduction. Original Playbook metrics re-established for VMT. One Move for VMT metric tracking added.



Added Move 4.L regarding efforts to pursue recycled water expansion and advanced recycled water production.

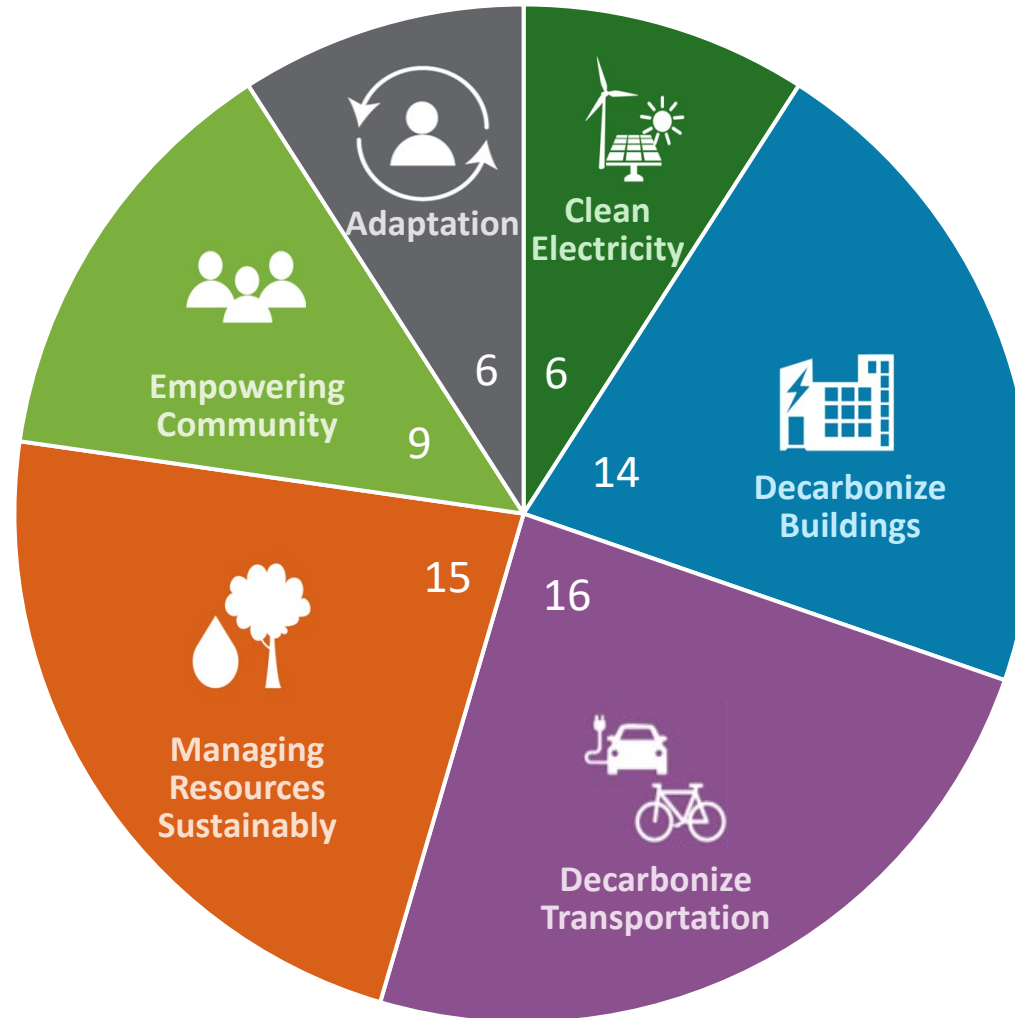
Final Game Plan 2028

66 total Moves

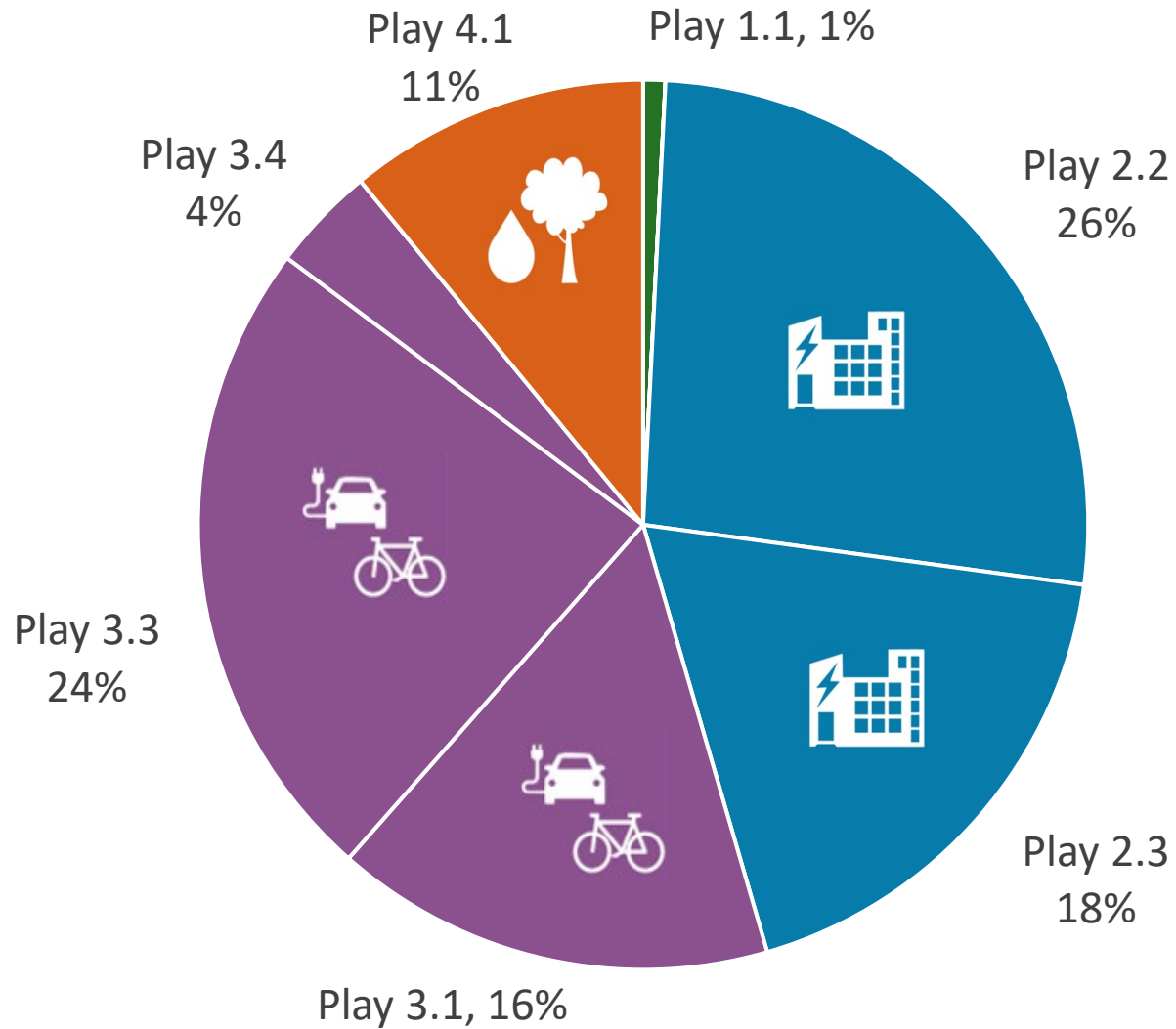
5 years (FY 23/24 – FY 27/28)

33 returning

33 new (removed one, added two)



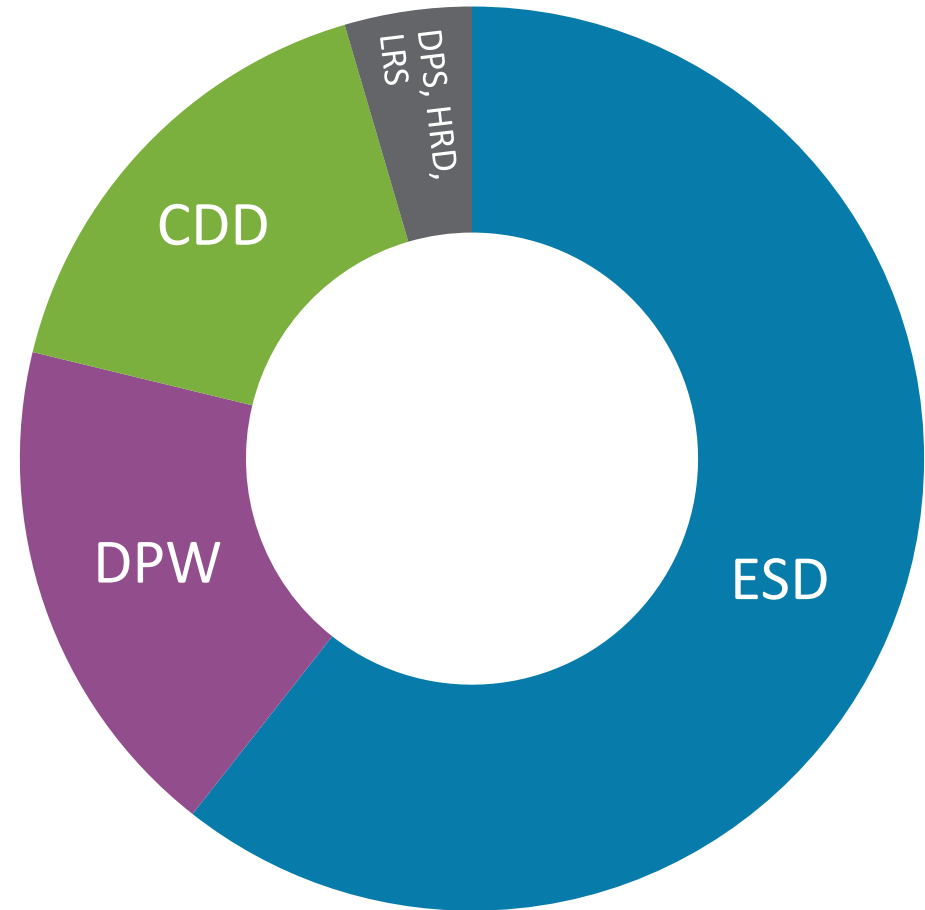
Breakdown of Game Plan 2028 Reductions by Play



Total Emission
Reductions by 2030
412,374 MTCO₂e

Final Game Plan 2028 Moves by Department

	LEADS	SUPPORTS
CDD	11	9
DPS	1	2
DPW	12	9
ESD	40	7
FIN	0	3
HRD	1	0
LRS	1	4
OCM (Econ)	0	4
TOTAL	66	



Final Game Plan 2028 Resource Needs

For consideration in FY 24-25 Operating Budget Process

Recommended Budget

- Ongoing: 4 new staff (~\$800 K annually)
- One-Time: \$1.7 million over 4 years

- Env Programs Manager, ESD
- Env Programs Specialist, ESD
- Env Programs Specialist, ESD
- Senior Engineer, DPW
- Consultant fees, advertising and material costs

Budget Supplement #2

- Ongoing: 1 new staff in CDD
- One-Time: Limited-term staff + \$325,000

- Administrative Aide, CDD
- Librarian (LT), LRS
- Associated costs



Recommendation

Achievements of Proposed Updates and Plan

Playbook Amendments

- More ambitious carbon neutrality target
- More ambitious Play-level metrics
 - Increased electrification targets, Increased VMT target, Increased EV targets, Addition of landfilled organics reduction target
- New Play and metric added to reduce off-road emissions

Game Plan 2028

- Will bring Sunnyvale to 58% below 1990 levels by 2030, surpassing our 2030 target

Recommendation

Alt 1: Forward a Recommendation to City Council to Amend the Climate Action Playbook and Adopt Game Plan 2028



Thank You!