

All About C/CAG!

C/CAG Retreat April 11, 2019



C/CAG and Housing

Ideas for today and tomorrow



C/CAG and Housing - The Early Years

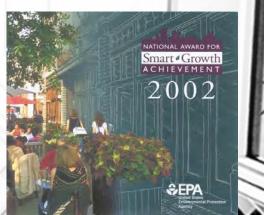
Adopted on April 11, 2013	Final Sub- Regional Allocation	Final Subre	Final Subregion Housing Needs Allocation by Affordability Level UNITS				
San Mateo County Subregion							
Final Regional Housing Needs Allocation	TOTAL	Very Low	Low	Mod.	Above Mod.		
Atherton	93	35	26	29			
Belmont	468	116	63	67	22.		
Brisbane	83	25	13	15	3		
Burlingame	863	276	144	155	28		
Colma	59	20	8	9	2		
Daly City	1,350	400	188	221	54		
East Palo Alto	467	64	54	83	26		
Foster City	430	148	87	76	11		
Half Moon Bay	240	52	31	36	12		
Hillsborough	91	32	17	21	2		
Menfo Park	655	233	129	143	15		
Millbrae	663	193	101	112	25		
Pacifica	413	121	68	70	15		
Portola Valley	64	21	15	15	1		
Redwood City	2,789	706	429	502	115		
San Bruno	1.155	358	161	205	43		
San Carlos	596	195	107	111	18		
San Mateo	3,100	859	469	530	124		
South San Francisco	1.864	565	281	313	70		
Woodside	62	23	13	15	1		
San Mateo Co. Uninc	913	153	103	102	55		
Total	16.418	4595	2507	2831	648		
Countywide Requirement	16,418	4595	2507	2830	648		

Created the first
Regional
Housing Needs
Allocation
(RNHA)
subregion in the
State





Transit Oriented
Development
(TOD)



What C/CAG is doing for our Jurisdictions







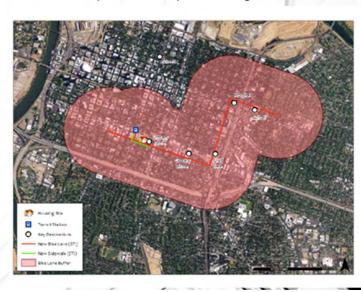




Co-hosted the AHSC Charette with DOH to create partnerships between developers and public agencies.







What C/CAG is doing for our Jurisdictions



March 22, 2019 Co-hosted the CASA Compact Workshop with Home for All





What we heard at our March 22, 2019 CASA Workshop

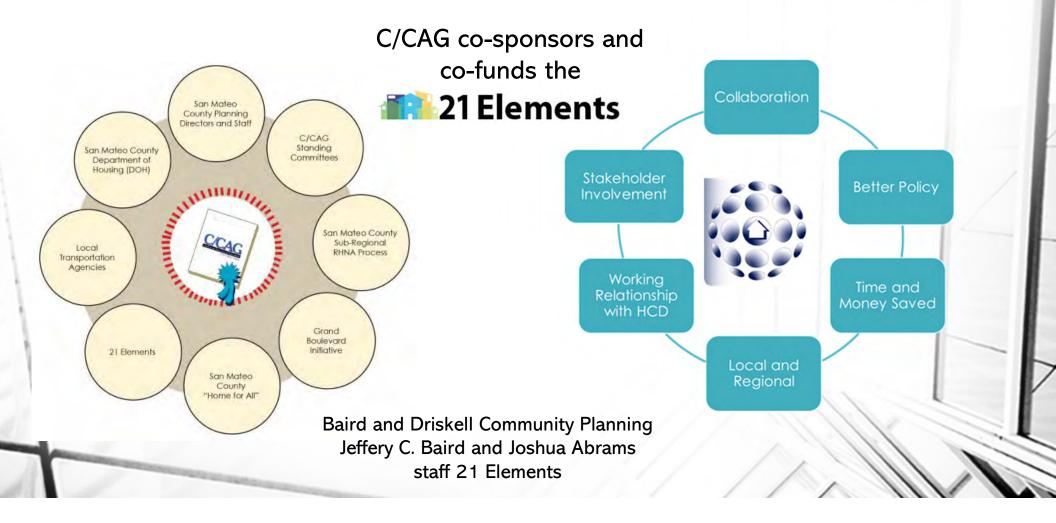
General Agreement and Support:

- Support new housing construction
- Support proposals to ease the construction of second units and to streamline construction permitting

Not well received:

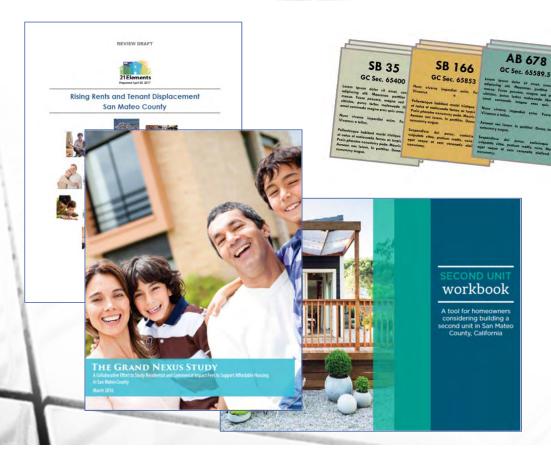
- Provisions to preempt local zoning authority near transit and discounting of unique community considerations.
- Rent control and renter protection provisions are generally seen as contrary to the expressed will of the voters in local elections and a recent statewide election (Proposition 10, 2018)
- Proposal to divert local revenues toward regional initiatives and creation of a regional housing body with concerns over the possibility of higher taxes or loss of existing tax revenue
- Perceived failure to force large employers to take more responsibility

C/CAG and Housing Now



What C/CAG is doing for our Jurisdictions

21 Elements



How 21 Elements help our jurisdictions

- Grand Nexus Study
- Accessory Dwelling Unit workbook and outreach materials
- Draft Displacement Report
- Parking surveys and case studies
- Housing Element Assistance
- Analysis of 2017 and 2018 housing laws on public agencies.
- Workshops and information sharing websites.









Efforts to link transportation funding to housing production



1. OBAG 3 Update Considerations, cont.

OBAG Distribution Alternatives

	OBAG 2 Formula 50% Population 30% Permits 20% RHNA		Option A: 100% Permits, Weighted * (1999-2017)		Option B: 100% Permits, Not Weighted * (1999-2017)	
County	%	\$	%	\$	%	\$
Alameda	20%	\$70	17%	\$58	19%	\$65
Contra Costa	15%	\$51	17%	\$59	15%	\$51
Marin	3%	\$9	2%	\$8	2%	\$6
Napa	2%	\$6	2%	\$7	2%	\$6
San Francisco	13%	\$47	14%	\$49	14%	\$48
San Mateo	8%	\$29	5%	\$18	6%	\$22
Santa Clara	28%	\$96	27%	\$95	30%	\$106
Solano	5%	\$18	6%	\$21	6%	\$21
Sonoma	7%	\$23	9%	\$32	7%	\$24
Bay Area	100%	\$348	100%	\$348	100%	\$348

Potential OBAG3 Revisions:

100% Production

A: Weighted 60% for affordable

B: No weighting

Other Options Possible

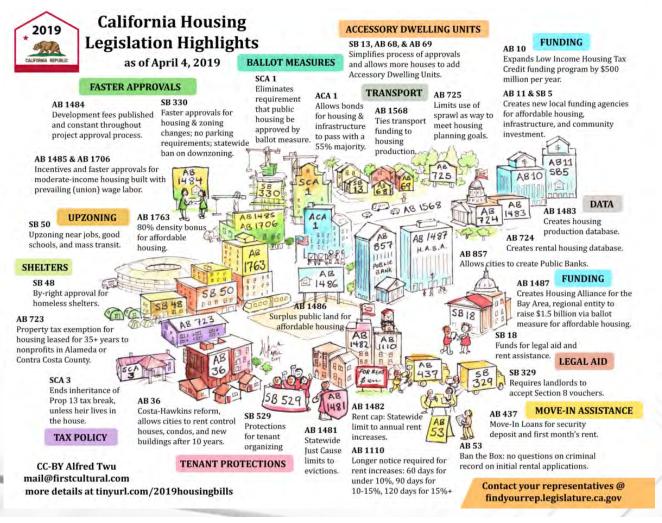
*Replace permits with production data when available

Source: MTC Commission Workshop November 28-29, 2018

METROPOLITAN TRANSPORTATION COMMISSION

Numbers rounded, may not add

Legislation facing us now



Around
200 Bills
in
Sacramento
addressing
the Housing
Crisis



How can the 21 Elements help?

- Given the new challenges of the work housing imbalance crisis, what should C/CAG and the 21 Elements focus on?
- Specifically how can C/CAG use the 21 Elements to assist the cities in the new landscape of housing policies?
 - What tools do you want to see?







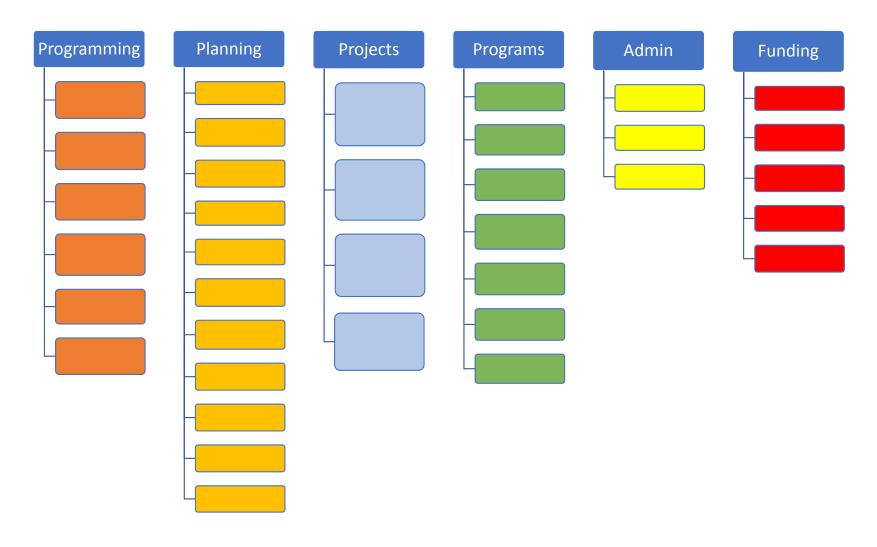






TRANSPORTATION

City/County Association of Governments of San Mateo County - Transportation



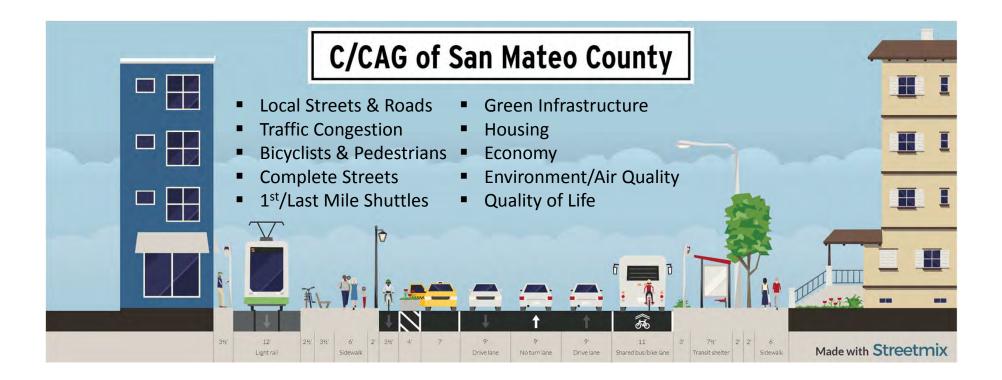




Transportation – C/CAG

- C/CAG designated as the CMA for San Mateo County responsible for developing and administering Congestion Management Program
 - Leverages state and federal transportation money
 - Performs project delivery oversight to assist with project implementation
 - Monitors transportation system performance
- Assist member agencies in spending Federal transportation funds
- Transportation Planning, Programming, and Coordination agency for San Mateo County cities

Transportation – What We Do



Who We Work With













A HEALTHY BREATHING ENVIRONMENT FOR EVERY BAY AREA RESIDENT







Funding – State Transportation Improvement Program (STIP)







• Provides funding and/or co-sponsors:

• Broadway I/C \$23.2M

• 92/El Camino Real I/C \$5M

• Willow Road I/C \$19.5M

• Woodside Road I/C \$8M

• Produce Ave I/C \$5M

• US 101 Express Lanes \$33.5M

• 92/101 \$5.6M





Funding – Measure M

- \$10 Vehicle Registration Fee
- Voter Approved in Nov. 2010
- 25 Years (May 2011-April 2036)
- \$7 million annually
- \$175 million total





5 YEAR PERFORMANCE REPORT | FISCAL YEARS 2012-2016



Funding – Transportation Fund for Clean Air (TFCA) & Transportation Development Act (TDA) Article 3

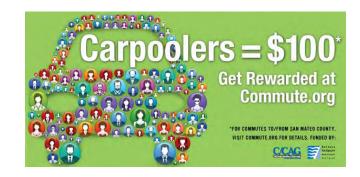
- TFCA
 - \$1M annually
 - Commute.org Countywide
 Transportation Demand
 Mgt.
 - SamTrans BART Shuttles
- TDA Art. 3
 - \$700K annually
 - For bicycle and pedestrian projects







Commute.org

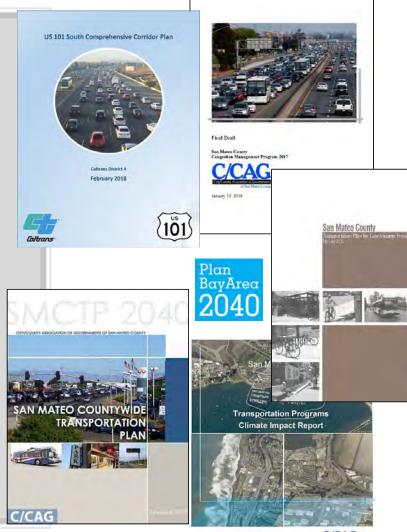






Transportation - Planning

- Plan Bay Area w/ MTC ABAG
- US 101 South Comprehensive Corridor Plan w/ Caltrans
 2018
- Regional Transportation Plan (RTP)
- Congestion Management Plan (CMP) 2019
- Countywide Transportation Plan (CTP) 2017
 - Long-range strategies
- Comprehensive Bicycle and Pedestrian Plan (CBPP) 2011
- Community-Based Transportation Plan (CBTP)
- Alternative Fuels Readiness Plan for San Mateo County (AFRP) - 2016



Congestion Relief Plan (CRP)

- C/CAG only agency in the State
- \$1.85M annually from Member Assessment
- Address traffic congestion countywide
- Ramp Metering
- Carpool Incentives
- Transportation Demand Management (TDM)
- Shuttle Program
- 1st and Last Mile BART Shuttles









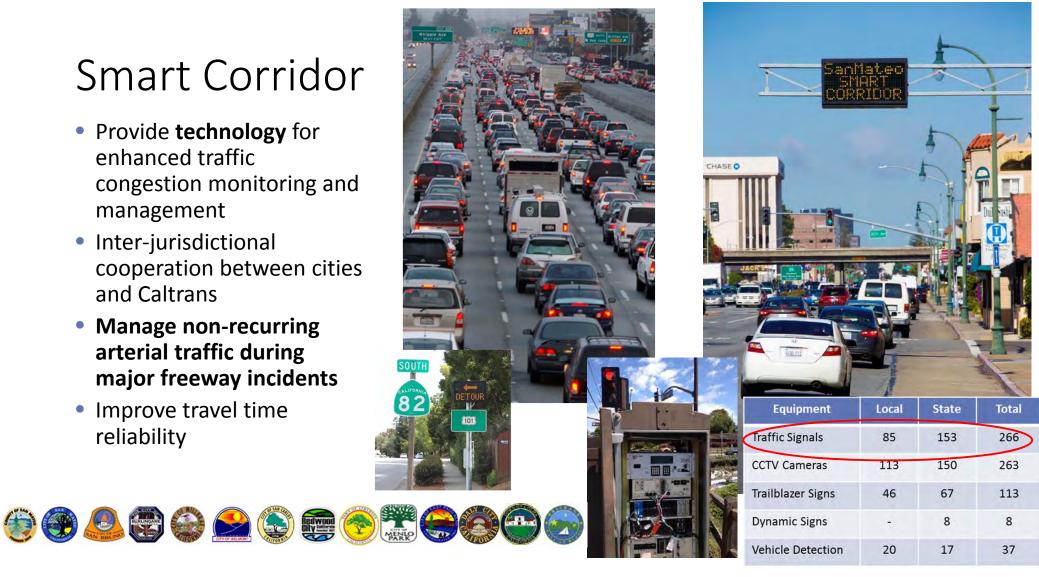
San Mateo County Safe Routes to School





Smart Corridor

- Provide technology for enhanced traffic congestion monitoring and management
- Inter-jurisdictional cooperation between cities and Caltrans
- Manage non-recurring arterial traffic during major freeway incidents
- Improve travel time reliability













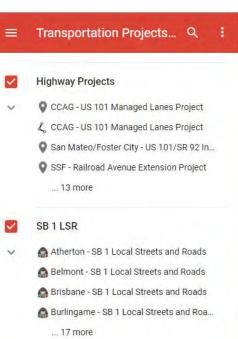








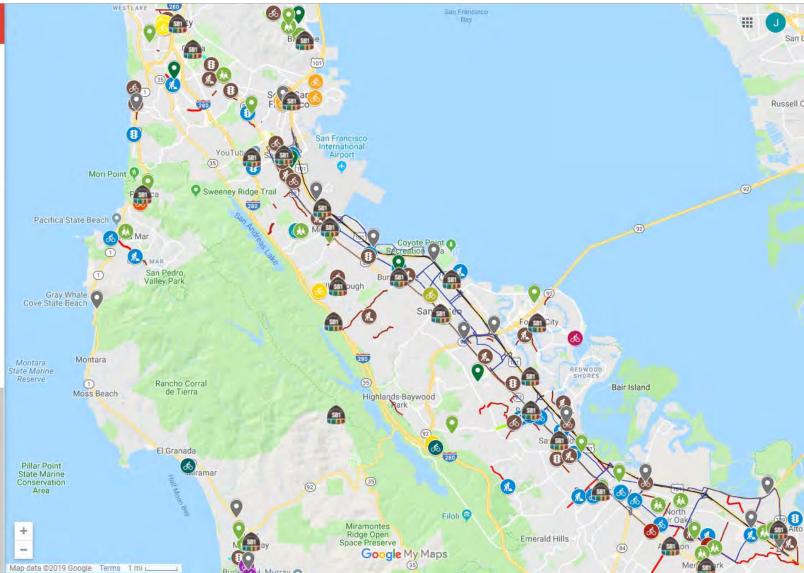
Transportation – What **You** Have Funded



SB 1 - Other Projects

- 🙆 San Mateo 1, 101 & 280 Bridges Project
- 🙆 San Mateo 280 Seismic Bridges Project
- San Mateo 101 Pavement Preservation (...
- 🙆 2018 SHOPP Traffic Management Syste...
- Dumbarton Bridge Operational Improve...
- SamTrans Express Bus Pilot





Transportation – Next 5 Years

- US 101 Express Lanes Turn On
- Alternative Fuel Vehicles
- Autonomous Vehicles
- Connected Vehicles
- Smart Cities
- TNCs









Thank you



Managing Stormwater in San Mateo County

Matthew Fabry, P.E.
Program Manager

San Mateo Countywide Water Pollution Prevention Program

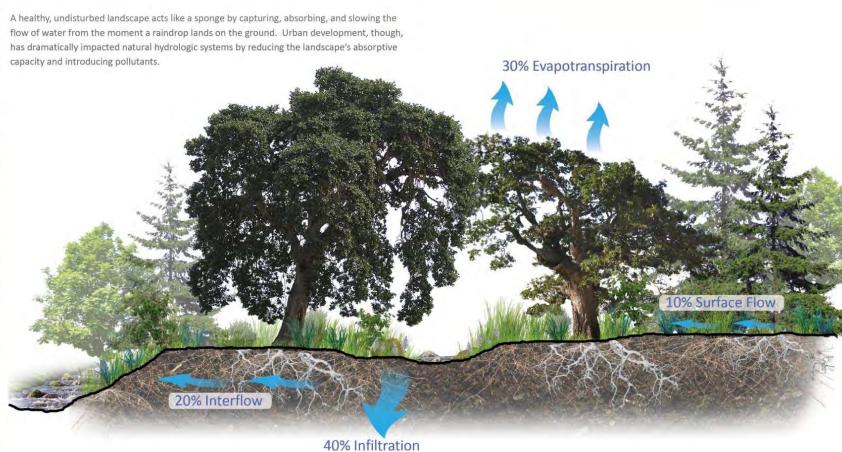




C/CAG Board of Directors April 11, 2019

1.2 Pre-Urban Development

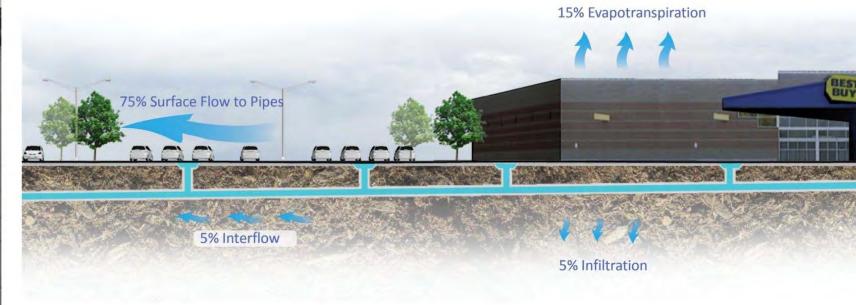




1.3 Urban Development The Effects of Impervious Area



When the natural landscape is urbanized, impervious surface is created that prevents water from being absorbed at the source. Sediments and pollutants from streets, parking lots, homes, yards, and other sources are washed into pipes and water bodies. Stormwater runoff increases as more and more impervious surface is created. The high volume and velocity of stormwater runoff emptying into creeks and streams may cause flooding and erosion, destroying natural habitat. There is a better approach.















Women (18-45 Years)

Children (1-17 Years)

TOTAL SERVINGS A WEEK

OR

TOTAL SERVING A WEEK



California Office of

web www.oehha.ca.gov/fish email fish@oehha.ca.gov

A GUIDE TO EATING FISH from SAN FRANCISCO BAY

(ALAMEDA, CONTRA COSTA, MARIN, NAPA, SAN FRANCISCO, SAN MATEO, SANTA CLARA, SOLANO, SONOMA COUNTIES)

WOMEN 18 - 45 YEARS AND CHILDREN 1 - 17 YEARS

Eat the Good Fish

Eating fish that are low in chemicals may provide health benefits to children and adults.



Avoid the **Bad Fish**

Eating fish with higher levels of chemicals like mercury or PCBs may cause health problems in children and adults.



Choose the Right Fish

Chemicals may be more harmful to unborn babies and children.





Brown rockfish



Chinook (King) Salmon high in omega-3s



Jacksmelt



Red rock crab



California halibut



White croaker





White sturgeon



Surfperches



Striped Bass



phone (916) 324-7572

Serving Size

A serving of fish is about the size and thickness of your hand. Give children smaller servings.

For Adults



For Children



Some chemicals are higher in the skin, fat, and guts.

Eat only the skinless fillet



Eat only the meat

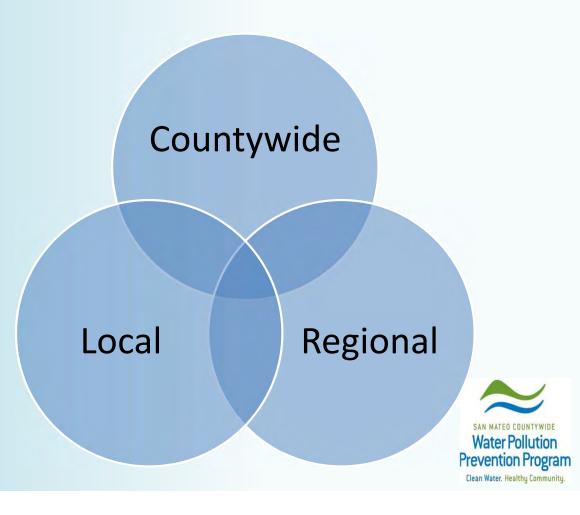


California Regional Water Quality Control Board San Francisco Bay Region Municipal Regional Stormwater NPDES Permit

Order No. R2-2015-0049 NPDES Permit No. CAS612008 November 19, 2015



C/CAG's Role



1 <u>1</u> Balanced Development

A Greener Approach



Infrastructure can be designed to minimize its impact on natural drainage systems. Our streets and parking lots can help maintain the balance of natural drainage systems by capturing, slowing, and absorbing stormwater, as well as filtering the pollutants that urban development introduces. Green infrastructure such as green streets, green parking lots, and green roofs helps increase the time it takes stormwater runoff to flow downstream and distributes the 20% Evapotranspiration volume of water entering into creeks over a longer period of time, thereby decreasing flooding and reducing the erosive forces of the water. 35% Surface 10% Interflow 35% Infiltration

What Is Green Infrastructure?



What Is Green Infrastructure?

Parcel-Scale

- Private and Public Projects
- Parcel-scaleManagement
- Primarily Private
 Funding via New/
 Redevelopment

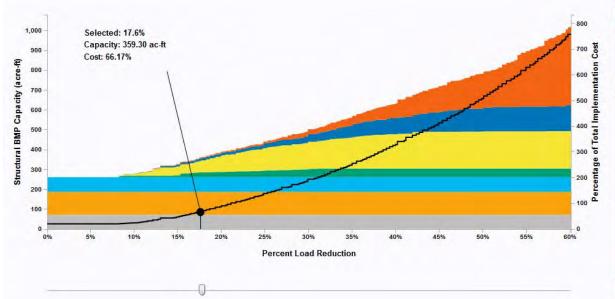
Green Streets

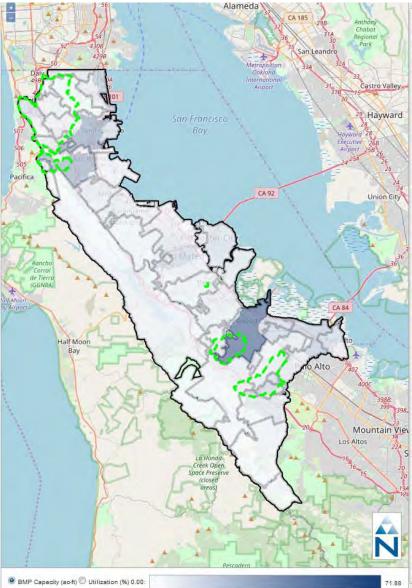
- Street Projects
- Block-ScaleStormwaterManagement
- Primarily Local/State Transportation Funding

Regional

- Large Retention
 Projects (Parks,
 Schools, Large
 Public Parcels)
- Watershed-scale
 Management
- Primarily State/ Federal Funding







Cost (%)

66.17%

66.17%

What Is Green Infrastructure?



What Is Green Infrastructure?

Parcel-Scale



Green Streets

- Street Projects
- Block-ScaleStormwaterManagement
- Primarily Local Funding
- O&M Concerns

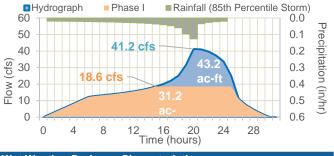
Regional





Project Overview

This concept describes a regional stormwater capture project for Redwood City. The project, which would serve as the cornerstone for the City's MRP compliance and water resiliency efforts, is envisioned as a subsurface infiltration gallery located at Red Morton Park (see map to left). This project has the potential to supplement groundwater supplies, alleviate flooding, offset water use at the park, and improve downstream water quality in the Arroyo Ojo and downstream Redwood Creek. The project has potential to treat runoff from a total of 1,650 acres, approximately 70% of which is in Redwood City. The remaining 30% of the potential drainage area is from Woodside and the unincorporated communities, Emerald Lake Hills and Kensington Square. This may present an opportunity to explore co-funding options with Woodside and the County. The project is envisioned as a single subsurface gallery with potential for additional phases to be considered in the future. A multi-phase approach will allow for flexibility in procuring funding and coordinating with scheduled park improvements (e.g. resurfacing of turf fields). The first phase of the project has potential to capture and treat approximately 31.2 ac-ft, 72% of the 85th percentile, 24-hour runoff volume (43.2 ac-ft). The project can potentially reduce PCBs load by 16.7%. This benefit may offset the amount of green streets that would otherwise need to be implemented to meet permit and TMDL requirements, reducing Redwood City's green street requirement by 92.6%. Project details and costs are outlined in further



Site Information												
Project Lead	Redwood City											
Location	Red Morton Comn	Red Morton Community Park – McGarvey Field										
Land Owner	Redwood City											
Receiving Water	Arroyo Ojo (tributa	ry to Redwood Creek)										
lumin dintinu	Redwood	San Mateo	We a deida									

Jurisdiction	Redwood City	San Mateo County	Woodside
Capture Area (acres)	1,142	467	41
Percent of Capture Area	69.2%	28.3%	2.5%

Wet Weather Di	rainage Characteris	tics
Sizing Criteria		85 th percentile, 24-hour storm
Total Capture Are	ea	1,650 acres
Imperviousness		34%
	Rainfall Depth:	0.85 inches
Design Conditions for 85 th %-ile storm	Total Runoff Volume:	43.2 ac-ft
	Peak Flow Rate:	41 cfs

Regional Stormwater Capture Project at Red Morton Community Park

Project Overview and Drainage Area Map

(Sheet 1 of



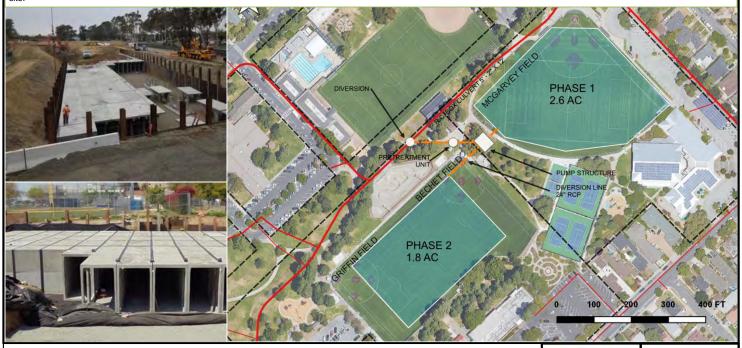


Site Plan Description

The project consists of a subsurface concrete gallery that will be located beneath McGarvey Field at Red Morton Community Park. The structure has potential to capture 31.2 acre-feet of runoff from Arroyo Ojo, a tributary of Redwood Creek that flows to the Bay. Storage capacity is capped at 31.2 acre-feet due to available area at McGarvey Field and a reasonable structure depth of 12 feet. The section of Arroyo Ojo just west of the park is an open channel that is routed underneath the park through a large reinforced concrete drain before daylighting to an open channel east of the park. The project will divert from the 5-ft 2-in by 12-ft drain using a rubber dam system and intake basin. Runoff will be routed through a pretreatment system, such as a hydrodynamic separator, to remove solids and sediment, then pumped to the gallery. The total storage (31.2 ac-ft) will account for approximately 72% of the 85th percentile, 24-hour runoff volume (43.2 ac-ft). Captured runoff will be treated through infiltration. Stormwater reuse elements (irrigation, greywater, etc.) may be incorporated if infiltration rates are deemed too low at the site.

A second phase may be considered to capture the remaining 12 ac-ft of the design volume uncaptured by the McGarvey Field structure (Phase I). Phase II would likely be located on Griffin and Bechet Fields just west of the Phase I structure to minimize disruption of utilities on the northern half of the park. The Phase II facility can be constructed at a later date but may still be able to utilize some of the diversion infrastructure from Phase I. For example, it may be possible for the diversion components to be built in parallel to make use of the same pump housing and intake structure. These design aspects should be explored in greater detail during a feasibility analysis.

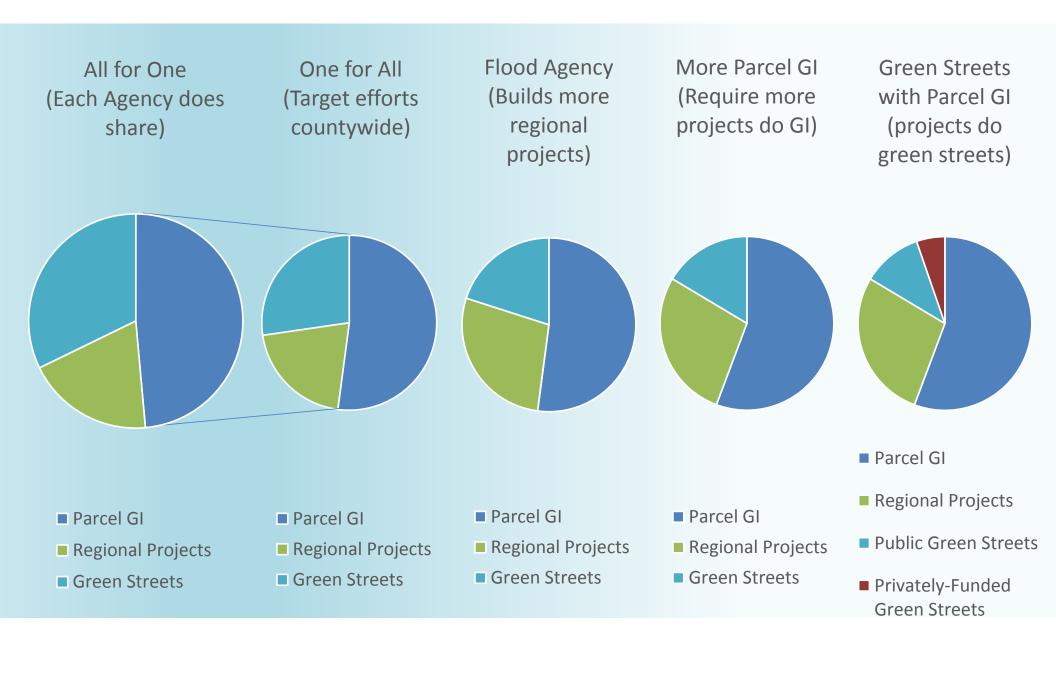
Disclaimer: Utilities were evaluated through GIS analysis using best available data. A utilities survey should be performed prior to construction to confirm the location of all utilities on site

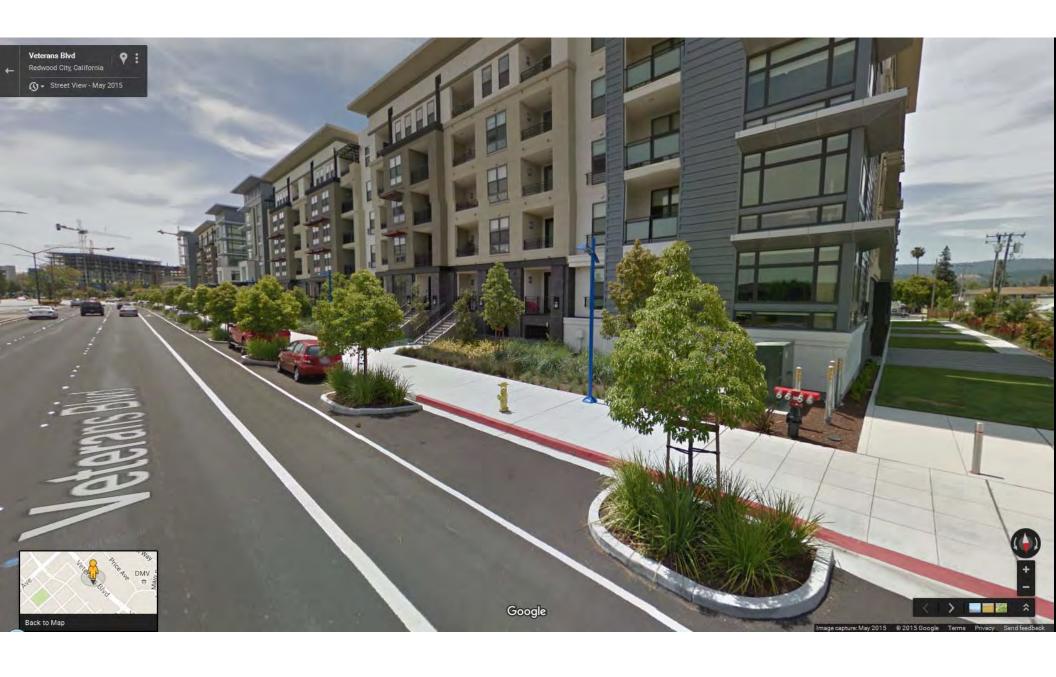


Regional Stormwater Capture Project at Red Morton Community Park
Site Plan and Description (Sheet 2 of 3)

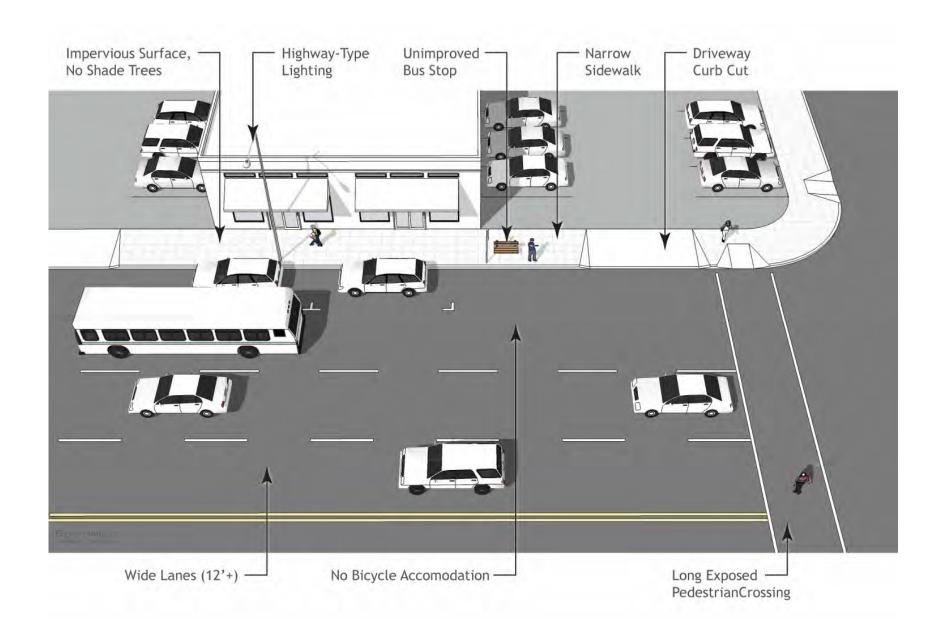


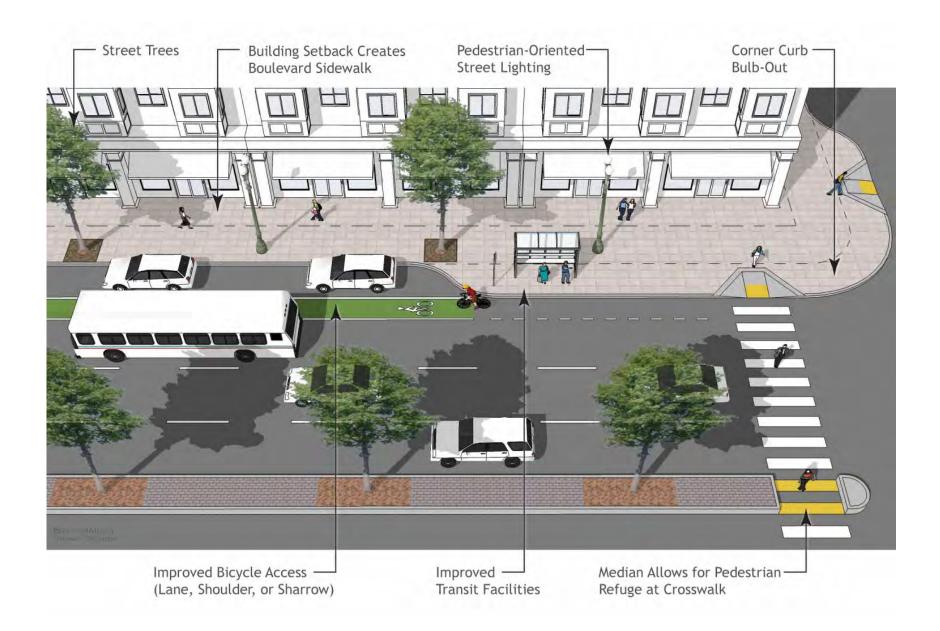


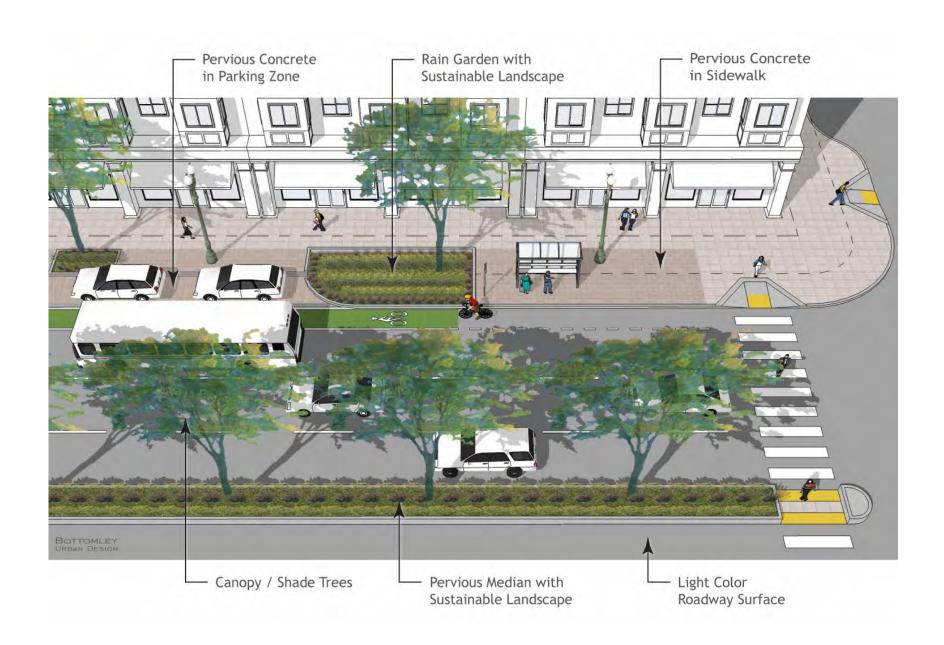














San Mateo Countywide Sustainable Streets Master Plan









Questions?

Matthew Fabry, Program Manager <u>mfabry@smcgov.org</u> 650-599-1419



Climate, Energy, and Water Programs

C/CAG Board Retreat April 11, 2019





Programs, Projects, and Committee

climate, energy, and water

	2005 2006	2007 20	08 20	09 20	10 20	12 20	12 20	13 20	14 201	15 2016 2	017 2	018 2019
C/CAG Committee Staffing	Resource Management and Climate Protection Committee											
Energy - Water Planning	Energy Strate	egy 2012									Energy a	and Water Strategy 20
Strategy Adoption		2008	2009									2019
Energy Efficiency	SAN MATEO	SAN MATEO COUNTY San Mateo County Energy Watch - Local Government Partnership (C/CAG - PG&E)										
SMCEW Program Cycles	S ENERGY.	WAISH.	2009		2010-2012		2013-2014 2015		2015	2016-2018		2019
Climate Planning	R	ICAPS	Regionall	y Integrat	ed Climate	Action Pl	anning Su	ite			Electrific	cation Updates
Emission Inventories	Regional	nally Integrated Climate Action Planning Suite	2005	2010	2011	2012	2013	2014	2015	In Progress		
Solid Waste - LTF	CIWMP Review		CIWMP R	eview				CIWMP R	eview			CIWMP Review





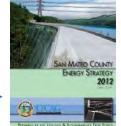
<u>USTF - RMCP</u>

Established May 2006 to address utility issues at the suggestion of (then) County Supervisor Jerry Hill

Grew into exploration of infrastructure and supply capacity for energy and water (still concerned with today), and the looming issue of Climate Change. 2007 question: Will we need a power plant in SMC?

Created "partnership" between County and C/CAG on these issues

Outcome was San Mateo County Energy Strategy 2012





	Provides of the Union's & Sessional Mark Price												
	2005 200	06 2007	20	08 20	09 20	10 20	11/20	12 20	13 20	14 20	15 2016 20	11/2	118 2019
C/CAG Committee Staffing	Utilities Sustainabil	ity Task Forc	Resource Management and Climate Protection Committee										
Energy - Water Planning	Energy Str								Energy a	nd Water Strategy 2			
Strategy Adoption			2008	2009									2019
Energy Efficiency	SAN MA	TEO COUNTY Sa	an Mate	o County E	nergy Wa	tch - Local	Governm	ent Partne	ership (C/C	CAG - PG&I	()		
SMCEW Program Cycles	ENERG	or Walch		2009		2010-2012		2013-2014 2015		2015	2016-2018		2019
Climate Planning		RICA	PS	Regionall	y Integrat	ed Climate	Action P	lanning Su	ite			Electrific	ation Updates
Emission Inventories		Regionally Integrated Climate Action	on Planning Suite	2005	2010	2011	2012	2013	2014	2015	In Progress		
Solid Waste - LTF	CIWMP Review			CIWMP R	eview				CIWMP R	eview			CIWMP Review

Energy and Water Strategy

Provides data on countywide energy and water use, and GHG emissions

Sets goals, strategies, and actions to address resource use and climate mitigation

Brings local governments and stakeholders together, countywide, on these issues

Outcome was the establishment of the San Mateo County Energy Watch Program





	2005 20	06 200	1 20	08 20	09 20	10 20	11 20	12/20	13 20	14 201	5 2016	017	018 2019		
C/CAG Committee Staffing		Resource Management and Climate Protection Committee													
Energy - Water Planning	Energy Strategy 2012											Energy	and Water Strategy 2		
Strategy Adoption		-	2008	2009									2019		
Energy Efficiency		ATEO COUNTY	San Mate	o County I	County Energy Watch - Local Government Partnership (C/CAG - PG&E)										
SMCEW Program Cycles	ENER	or water		2009		2010-2012		2013	2013-2014 2015 2016-201			18	2019		
Climate Planning		RICA	APS.	Regional	y Integrat	ed Climate	Action P	lanning Su	ite			Electrifi	ctrification Updates		
Emission Inventories		Regionally Integrated Climat	cionally Integrated Climate Action Planning Suite		2010	2011	2012	2013	2014	2015	In Progress				
Solid Waste - LTF	CIWMP Review			CIWMP R	eview				CIWMP R	eview			CIWMP Review		

San Mateo County Energy Watch

Building energy efficiency services for local governments, K-12 school, and commercial

Closing in on 20M kWh of electricity reduced countywide (about 2,000 homes)

In 2016, elected officials partnered with staff on a campaign to promote the program to downtown restaurants



One outcome has been the development of Climate Action Planning Tools





	2005 200	06 2007	20	08 20	09 20	10 20	12 20	12 20	13 20	14 20	15 2016 20	11/2	118 2019
C/CAG Committee Staffing	Utilities Sustainabil	ity Task Forc		Resource Management and Climate Protection Committee									
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Energy Efficiency	SAN MA	STEO COUNTY SE	an Mate	o County E	nergy Wa	tch - Local	Governm	ent Partne	ership (C/C	CAG - PG&I	()		
SMCEW Program Cycles	ENERG	or waren		2009		2010-2012		2013-2014 2015		2015	2016-2018		2019
Climate Planning		RICA	PS	Regionall	y Integrat	ed Climate	Action Pl	anning Su	ite			Electrific	ation Updates
Emission Inventories		Regionally Integrated Climate Action	on Planning Suite	2005	2010	2011	2012	2013	2014	2015	In Progress		
Solid Waste - LTF	CIWMP Review			CIWMP R	eview				CIWMP R	eview			CIWMP Review

Regionally Integrated Climate Action Planning Suite

Document template, menu of measures w/ measure worksheets, forecasting and cost/benefit tool, technical assistance



Reduces cost of drafting a Climate Action Plan (CAP) and Inventories

Monthly Multi-City Working Group meetings and annual emission inventories

No other County has this program or such a set of tools.

	2005 2006	2007 20	08 20	09 20	10 20	12 20	12 20	13 20	14 20	15 2016 25	017 2	018 2019
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Strategy Adoption		2008	2009									2019
Energy Efficiency	SAN MATEO CO	San Mate	o County I	nergy Wa	tch - Local	Governm	ent Partne	ership (C/C	AG - PG&	Ε)		
SMCEW Program Cycles			2009		2010-2012		2013	013-2014 2015 2016-201			8	2019
Climate Planning	RI	CAPS	Regionall	y Integrat	ed Climate	Action Pl	anning Su	ite			Electrific	cation Updates
Emission Inventories	Regionally Ind	stegrated Climate Action Planning Suite	2005	2010	2011	2012	2013	2014	2015	In Progress		
Solid Waste - LTF	CIWMP Review		CIWMP R	eview				CIWMP R	eview			CIWMP Review

Local Task Force - Solid Waste



C/CAG is the Solid Waste Local Task Force to the State in San Mateo County

County performs five-year review of the Countywide Integrated Waste Management Plan (AB 939 – 1989)

Examines the resources available to residents in the county to divert solid waste

Next review will be coming later this year – C/CAG provides comments to the State

	2005 2006	2007 20	08 20	09 20	10 20	11 20	12 20	13 20	14 201	5 2016 2	017 2	018 2019	,/	
C/CAG Committee Staffing	Utilities Sustainability Task	Force	Resource Management and Climate Protection Committee											
Energy - Water Planning	Energy Strategy 2	2012								Energy a	and Water Str	ategy 20		
Strategy Adoption		2008	2009									2019		
Energy Efficiency	SAN MATEO COUN	San Mate	o County I	County Energy Watch - Local Government Partnership (C/CAG - PG&E)										
SMCEW Program Cycles			2009		2010-2012		2013-2014 2015			2016-2018		2019		
Climate Planning	RIC	APS	Regionall	y Integrat	ed Climate	Action P	lanning Su	ite			Electrific	cation Update	es	
Emission Inventories	Regionally Integrate	gionally Integrated Climate Action Planning Suite		2010	2011	2012	2013	2014	2015	In Progress				
Solid Waste - LTF	CIWMP Review		CIWMP R	eview				CIWMP R	eview			CIWMP Rev	view	

Key Challenge(s)

Money:

- 2019 SMCEW Budget was reduced by 55% to \$318K
- Total Resource Cost CPUC cost effectiveness test
- CPUC on LGP BayREN CCA(PCE) coverage
- PG&E solvency? But not funded by PG&E, just contracted

Staffing availability:

Adaptation or Mitigation ... multiple departments

Grid challenges:

- Electrification and Smart Grid
- Hosting Capacity









Thank You!

C/CAG Retreat April 11, 2019

