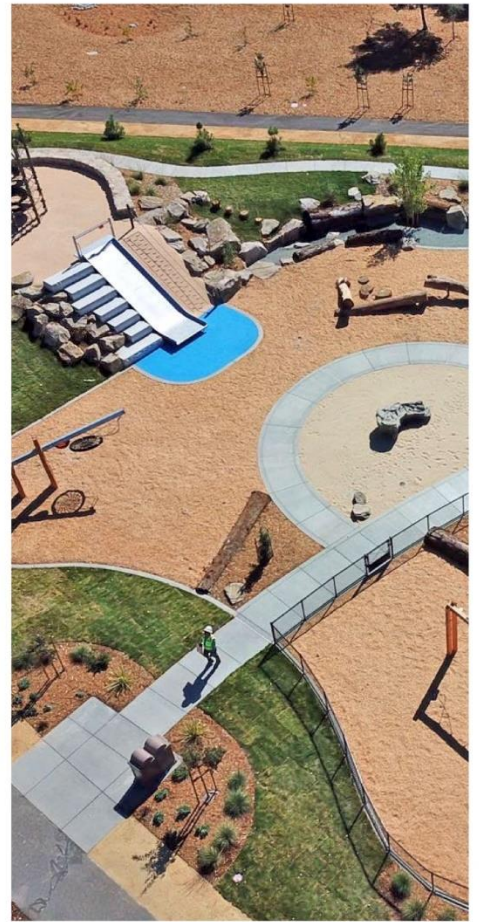


STOPWASTE



Sustainable Landscapes In Alameda County

2019

www.StopWaste.org/landscape

Sustainable Landscapes in Alameda County

StopWaste works with public agencies in Alameda County to promote sustainable landscape practices that:

- improve soil health
- sequester carbon and avoid greenhouse gas emissions,
- reduce waste,
- save water, and
- help keep our watersheds and communities healthy.

This annual report recognizes the commitment and achievements of our member agencies, local developers and landscape professionals to healthy, climate change-resilient, sustainable communities.



Highlights — May 2018 to May 2019

8 new projects earned ReScape/Bay-Friendly Rated Landscape certification.

Location	Project Name	Score*
Alameda County	Turner Court – Alameda County Corpyard	109
City of Alameda	Jean Sweeney Open Space Park	87
	Cross Alameda Trail	91
	Eagle Village	63
	Alameda Landing, Phase 3	79
	Emeryville Greenway – Powell to Stanford	108
Emeryville	Emeryville Public Market, Phase 1	82
	Emeryville Public Market, Phase 2	80

*Rated Landscapes meet 14 required practices and earn at least 60 points on the ReScape Landscape Scorecard. Learn more: rescapeca.org

57 public agency staff completed the Bay-Friendly Qualified Professional training.

- 444 public agency staff in the county have completed the training to date.
- 100% of the landscape staff in Oakland, Emeryville and Albany are Bay-Friendly trained.
- Every member agency has sent staff to the Bay-Friendly trainings.

The Rated Landscapes program and Bay-Friendly trainings are administered by ReScape California.

StopWaste is implementing an innovative carbon farming project.

StopWaste has long promoted the benefits of compost as a way to reduce organic waste while creating healthy soils and saving water. Now scientists are recognizing compost as a tool to fight climate change. Carbon farming refers to practices — including the application of compost — that increase the ability of soil and plants to pull carbon from the atmosphere and sequester it deep in the soil.

StopWaste is working with the Alameda County Resource Conservation District (RCD) to develop and implement a carbon farming plan on its 1,600-acre rangeland property in the Altamont Hills near Livermore. In addition, StopWaste is starting to work with member agencies to adapt carbon farming practices to city landscapes and measure changes in soil carbon. To learn more about StopWaste's compost and carbon farming initiatives, contact Kelly Schoonmaker, kschoonmaker@stopwaste.org.

Sustainable Landscapes Summary by Jurisdiction

In Alameda County, 79 properties have earned the ReScape Rated Landscape label since the program's inception in 2005. The rating system, which was previously known as Bay-Friendly Rated Landscapes, is a mark of excellence for sustainable landscapes and is administered by ReScape California.

This table shows Rated Landscapes and Lawn-to-Landscape projects built by public agencies and other developers in Alameda County from 2005 to May 2019.

Jurisdiction	ReScape/Bay-Friendly Rated Landscapes	Lawn-to-Landscape Projects*	Total Acres
County of Alameda	10		83.0
Alameda	14		57.1
Albany	3		7.0
Berkeley	5		2.7
Dublin	0		0.0
Emeryville	9		10.4
Fremont	3		4.7
Hayward	8		100.8
Livermore	0	1	0.5
Newark	1		34.9
Oakland	14	2	10.5
Piedmont	0		0.0
Pleasanton	2	1	4.5
San Leandro	5		26.8
Union City	5		4.4
Total	79	4	347.3

* These four projects used sheet mulch to convert turf to sustainable landscapes and followed the nine practices in the Bay-Friendly Basics checklist.

At a Glance



49 projects used sheet mulch, covering 47 acres



16,065 tons of local, recycled compost and mulch applied



214,828 tons of construction waste diverted from landfills



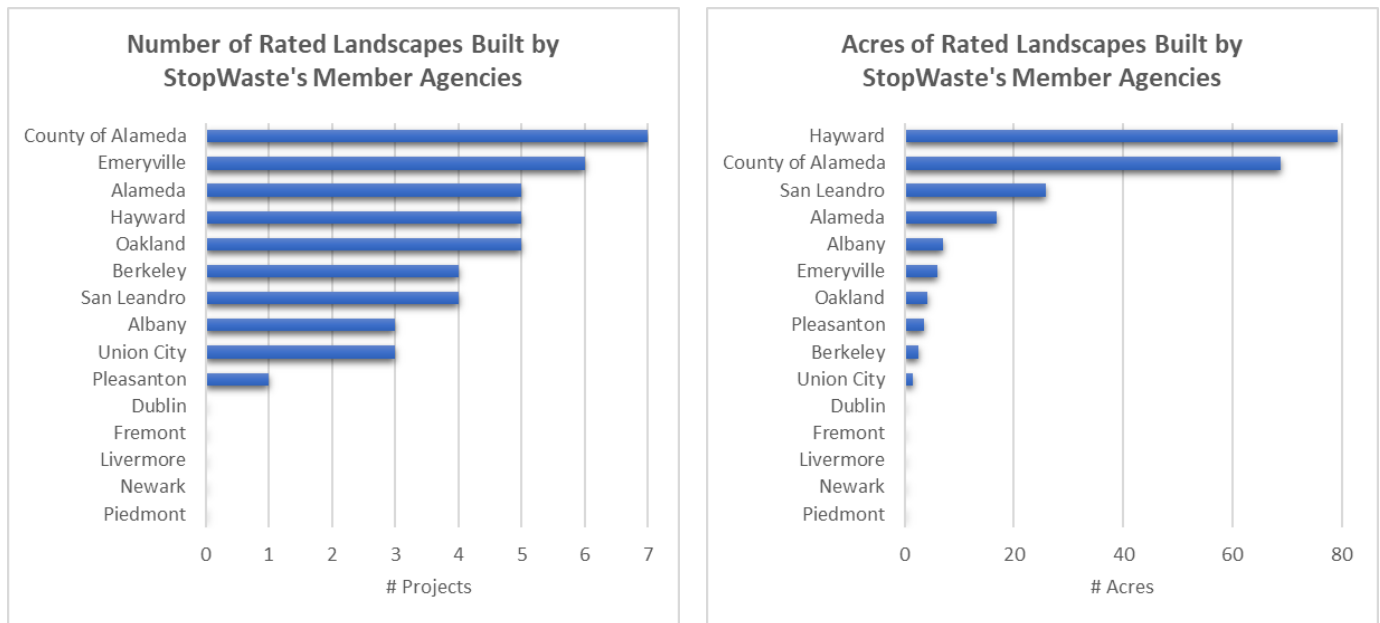
80 million gallons of water saved per year



5,118 tons of CO2E avoided

Rated Landscapes Built by StopWaste's Member Agencies

These two figures show the number and acres of Rated Landscapes built by StopWaste's member agencies and do not include projects built by other developers. Data is from 2005 to May 2019.



Landscape Architects and Developers with the Most Rated Landscapes

These landscape architecture firms and developers have completed three or more Rated Landscape projects in Alameda County.

Landscape architects that designed the most Rated Landscapes 2005–2019	Firm	# of Projects
	Gates + Associates	12
	PGA Design	7
	PlaceWorks	4
	April Philips Design Works	3
	Golden Associates	3
	Keller Mitchell & Co.	3
	RRM Design Group	3
	Sentient Landscape	3
Non-member agency developers that built the most Rated Landscapes 2005–2019	Developer	# of Projects
	Eden Housing	3
	Hayward Area Recreation & Park District	3
	Satellite Affordable Housing Associates (SAHA)	3
	Tri Pointe Homes	3

The following pages shows key metrics for all Rated Landscapes in Alameda County.

Rated Landscapes, 2005–2019

Developer	Landscape Architect	Project	Type	Rating Score	Year Rated	Size (acres)	Area Sheet Mulched (sf)	Compost & Mulch Applied (tons)	Water Saved (gal/yr)	Construction Waste Diverted (tons)	CO2E Avoided (tons)
COUNTY OF ALAMEDA											
DEVELOPED BY THE COUNTY											
NEW: Alameda County Flood Control & Water Cons. District	PGA	Turner Court – Alameda County Corpyard	Civ	109	2019	2.9	34,765	169	859,780	10,9400	43
Alameda County Public Works	Questa	Grant Avenue, San Lorenzo	Civ	89	2017	5.8	0	166	1,585,648	4,630	80
Alameda County Public Works	Golden Associates	Stanley Boulevard Streetscape	Civ	133	2013	33.0	310,706	3,797	6,922,379	102,516	381
Alameda County GSA	Keller Mitchell	East County Hall of Justice, Dublin	Civ	90	2017	22.0	0	675	1,442,152	1,307	237
Alameda County GSA	Wood Rodgers	REACH Ashland Youth Center	Civ	106	2013	1.0	0	35	202,758	no data	12
Alameda County GSA	Gates + Associates	Castro Valley Library	Civ	88	2010	2.6	0	57	402,755	143	25
Housing Authority of the County of Alameda	Merrill Morris Partners	Main Office Property Renovation, Hayward	Civ	93	2015	1.6	11,255	44	250,863	960	14
OTHER DEVELOPERS											
Castro Valley Sanitary District	Four Dimensions	Castro Valley Sanitary District HQ	Civ	79	2006	<.1	0	6	49,071	no data	3
Hayward Area Rec & Park District	RRM Design Group	San Lorenzo Community Park	Civ	102	2017	12.3	412,992	534	2,893,504	17	263
Hayward Area Rec & Park District	Gates + Associates	Jack Holland Sr Park, San Lorenzo	Civ	97	2011	1.7	0	61	377,952	10	35

Data is as of May 2019. Water savings is compared to a baseline project that is all lawn. CO2E = carbon dioxide equivalent.

Project type key: Civ = Civic. Com = Commercial. Inst = Institutional. MF = Multifamily Residential. SF = Single Family Residential.

Rated Landscapes, 2005–2019

Developer	Landscape Architect	Project	Type	Rating Score	Year Rated	Size (acres)	Area Sheet Mulched (sf)	Compost & Mulch Applied (tons)	Water Saved (gal/yr)	Construction Waste Diverted (tons)	CO2E Avoided (tons)
ALAMEDA											
DEVELOPED BY THE CITY											
NEW: City of Alameda	PlaceWorks	Jean Sweeney Open Space Park	Civ	87	2019	5.3	53,400	340	2,137,536	491	101
NEW: City of Alameda	PlaceWorks	Cross Alameda Trail	Civ	91	2018	1.0	48,000	380	20,903	1,813	4
NEW: Housing Authority of the City of Alameda	Bay Tree Design	Eagle Village	MF	63	2018	0.1	6,335	24	166,213	82	9
Housing Authority of the City of Alameda	Golden Associates	Parrot Village	MF	92	2015	5.0	49,500	142	1,159,479	142	72
Housing Authority of the City of Alameda	Gates + Associates	Independence Plaza	MF	90	2013	5.5	62,502	108	1,381,183	94	77
OTHER DEVELOPERS											
Alameda Waterfront Dev. Investors	April Philips Design Works	VF Outdoor	Com	105	2013	11.0	0	807	1,795,380	no data	103
Casitas Alameda Homeowners Assoc.	Cagwin & Dorward	Casitas Catalina HOA	MF	70	2015	0.7	23,173	82	512,082	56	28
Harbor Bay Business Park	April Philips Design Works	Harbor Bay Medians	Com	79	2012	2.6	99,551	528	2,639,824	1,504	137
Peralta Community College District	Gates + Associates	College of Alameda Campus Entry	Inst	95	2012	2.1	40,000	181	1,586,413	82	112
Resources for Community Dev.	Charles McCulloch	Shinsei Gardens Apartments	MF	85	2009	2.6	0	120	641,232	152	38
Satellite Housing	Hill Associates	Jack Capon Villa	MF	109	2014	0.5	5,620	35	118,133	no data	7
NEW: Tri Pointe Homes	Gates + Associates	Alameda Landing - Phase 3	MF	79	2018	4.0	0	246	789,801	33	56
Tri Pointe Homes	Gates + Associates	Alameda Landing - Phase 1 & 2	MF	74	2017	16.7	0	860	3,157,499	33	219

Data is as of May 2019. Water savings is compared to a baseline project that is all lawn. CO2E = carbon dioxide equivalent.

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Rated Landscapes, 2005–2019

Developer	Landscape Architect	Project	Type	Rating Score	Year Rated	Size (acres)	Area Sheet Mulched (sf)	Compost & Mulch Applied (tons)	Water Saved (gal/yr)	Construction Waste Diverted (tons)	CO2E Avoided (tons)
ALBANY											
DEVELOPED BY THE CITY											
City of Albany	Sentient Landscape	Albany Civic Center	Civ	93	2010	1.4	11,698	56	262,415	293	14
City of Albany	John Cahalan	Memorial, Ocean View & Terrace Parks	Civ	74	2008	5.3	0	165	926,281	no data	129
City of Albany	Sentient Landscape	Buchanan Street Median	Civ	91	2006	0.3	11,677	50	266,335	no data	14
BERKELEY											
DEVELOPED BY THE CITY											
Berkeley Public Library	Gates + Associates	Claremont Branch Library	Civ	121	2013	0.3	2,103	11	42,258	239	3
Berkeley Public Library	PGA Design	North Berkeley Library	Civ	76	2012	0.6	5,353	49	117,476	89	12
City of Berkeley	PlaceWorks	Dona Spring Animal Shelter	Civ	116	2013	1.1	13,559	48	291,529	37	17
City of Berkeley	Dillingham Associates	Shasta Hills Fire Station	Civ	74	2006	0.5	0	24	121,805	6	7
OTHER DEVELOPERS											
Satellite Affordable Housing Associates	Van Dorn Abed Landscape	Harmon Gardens Apartments	MF	75	2012	0.2	926	4	24,463	147	1

Data is as of May 2019. Water savings is compared to a baseline project that is all lawn. CO2E = carbon dioxide equivalent.

Project type key: Civ = Civic. Com = Commercial. Inst = Institutional. MF = Multifamily Residential. SF = Single Family Residential.

Rated Landscapes, 2005–2019

Developer	Landscape Architect	Project	Type	Rating Score	Year Rated	Size (acres)	Area Sheet Mulched (sf)	Compost & Mulch Applied (tons)	Water Saved (gal/yr)	Construction Waste Diverted (tons)	CO2E Avoided (tons)
EMERYVILLE											
DEVELOPED BY THE CITY											
NEW: City of Emeryville	Callander Associates	Emeryville Greenway – Powell to Stanford	Civ	108	2018	0.7	13,158	64	320,827	154	16
City of Emeryville	John Cahalan	Temescal Creek Park	Civ	88	2014	0.9	10,590	38	200,923	no data	13
City of Emeryville	PWP	Joseph S. Emery Park	Civ	71	2011	0.7	0	82	413,533	2,209	26
City of Emeryville	Gates + Associates	Doyle Hollis Park	Civ	108	2009	1.5	0	127	458,423	339	45
City of Emeryville, Public Works Dept.	PWP	EmeryStation Greenway	Civ	95	2015	1.5	0	60	470,238	574	29
City of Emeryville/Equity Res	Environmental Foresight	Papermill Park	Civ	86	2017	0.7	0	26	268,493	383	16
OTHER DEVELOPERS											
NEW: AG-CCRP Public Market, LP	Hart Howerton	Emeryville Public Market, Phase 1 & 2	Com	82/80	2019	3.9	0	47	100% recycled	17,000	12
Madison Marquette	April Philips Design Works	Bay Street Plaza	Com	79	2006	0.5	0	19	120,543	no data	6
FREMONT											
OTHER DEVELOPERS											
Alameda County Water District	Gates + Associates	Office & Demo Garden	Civ	97	2017	0.9	24,000	100	582,710	47	29
Allied Housing	Charles M McCulloch	Main Street Village	MF	73	2012	1.5	14,477	76	280,675	3,694	18
Eden Housing	Bruce Jett Associates	Cottonwood Senior Housing	MF	98	2013	2.3	22,000	101	631,596	171	32

Data is as of May 2019. Water savings is compared to a baseline project that is all lawn. CO2E = carbon dioxide equivalent.
 Project type key: Civ = Civic. Com = Commercial. Inst = Institutional. MF = Multifamily Residential. SF = Single Family Residential.

Rated Landscapes, 2005–2019

Developer	Landscape Architect	Project	Type	Rating Score	Year Rated	Size (acres)	Area Sheet Mulched (sf)	Compost & Mulch Applied (tons)	Water Saved (gal/yr)	Construction Waste Diverted (tons)	CO2E Avoided (tons)
HAYWARD											
DEVELOPED BY THE CITY											
City of Hayward	CD+A	Route 92 Reliever Project - Phase 1	Civ	108	2017	3.6	159,000	411	2,526,118	24,371	192
City of Hayward	City of Hayward	West Winton Avenue Streetscape Improv.	Civ	89	2016	0.3	12,870	85	299,732	388	16
City of Hayward	Haygood and Associates	Route 238 Corridor Improvement	Civ	95	2015	73.4	225,392	1,438	6,744,023	29,660	362
City of Hayward	David Babcock & Associates	Industrial Parkway Median	Civ	87	2013	1.9	81,465	389	1,283,418	no data	100
City of Hayward	City of Hayward	City Hall Planters	Civ	62	2008	<0.1	613	3	13,559	no data	0.8
OTHER DEVELOPERS											
Costco Wholesale Corp.	David Babcock & Associates	Costco Wholesale Corp.	Com	80	2010	16.0	0	262	2,205,196	143	109
Eden Housing	Dillingham Associates	Sara Conner Court Apartments	MF	78	2006	2.0	no data	75	553,216	no data	38
Hayward Area Rec & Park District	RRM Design Group	Greenwood Park	Civ	97	2016	3.6	100,792	200	1,176,379	200	124
NEWARK											
OTHER DEVELOPERS											
Ohlone Community College District	CMG	Ohlone College Newark Center	Inst	83	2008	34.9	0	1,207	18,798,762	958	1,037

Data is as of May 2019. Water savings is compared to a baseline project that is all lawn. CO2E = carbon dioxide equivalent.

Project type key: Civ = Civic. Com = Commercial. Inst = Institutional. MF = Multifamily Residential. SF = Single Family Residential.

Rated Landscapes, 2005–2019

Developer	Landscape Architect	Project	Type	Rating Score	Year Rated	Size (acres)	Area Sheet Mulched (sf)	Compost & Mulch Applied (tons)	Water Saved (gal/yr)	Construction Waste Diverted (tons)	CO2E Avoided (tons)
OAKLAND											
DEVELOPED BY THE CITY											
City of Oakland, Public Works Agency	PGA Design	Golden Gate Recreation Center	Civ	96	2016	1.1	6,955	32	220,982	164	9
City of Oakland, Public Works Agency	Adrienne Wong	East Oakland Community Library	Civ	83	2011	0.7	no data	13	100,158	98	6
City of Oakland, Public Works Agency	PGA Design	Studio One Community Art Center	Com	78	2008	1.3	0	27	158,719	no data	16
City of Oakland, Public Works Agency	PGA Design	25th Street Mini Park	Civ	108	2012	0.2	3,772	30	73,638	102	5
City of Oakland, CEDA	PlaceWorks	Cryer Site Park	Civ	71	2012	0.8	10,500	65	226,065	170	13
OTHER DEVELOPERS											
ACWMA	Four Dimensions	StopWaste Office	Civ	105	2006	<0.1	0	0.5	4,745	no data	0.3
Satellite Affordable Housing Associates	Cliff Lowe Associates	Merritt Crossing Senior Housing	MF	95	2012	1.4	0	27	57,593	348	6
Bridge Housing	PGA Design	Ironhorse Apartments	MF	72	2009	1.6	13,122	37	248,963	no data	17
Catholic Welfare Corp.	Hansen McArdle	Bishop O'Dowd Ctr for Env Studies	Inst	136	2015	0.7	0	37	85,481	29	6
East Bay Asian Local Development Corp.	Keller Mitchell	Jack London Gateway	MF	73	2009	0.9	10,213	23	243,986	466	16
Fairyland	NA	Children's Fairyland	Civ	99	2009	0.1	0	14	62,616	no data	6
Habitat for Humanity, East Bay	Jeni Webber Design	Edes Avenue Pocket Park	MF	107	2009	0.3	4,303	36	104,524	4	7
Oakland Unified School District	Bay Tree	Sausal Creek Nature Area/Sequoia Elem.	Inst	99	2016	0.1	2,050	19	43,875	81	3
Resources for Community Dev.	Keller Mitchell	Clinton Commons Apartments	MF	62	2013	0.7	0	9	36,793	277	2

Data is as of May 2019. Water savings is compared to a baseline project that is all lawn. CO2E = carbon dioxide equivalent.

Project type key: Civ = Civic. Com = Commercial. Inst = Institutional. MF = Multifamily Residential. SF = Single Family Residential.

Rated Landscapes, 2005–2019

Developer	Landscape Architect	Project	Type	Rating Score	Year Rated	Size (acres)	Area Sheet Mulched (sf)	Compost & Mulch Applied (tons)	Water Saved (gal/yr)	Construction Waste Diverted (tons)	CO2E Avoided (tons)
PLEASANTON											
DEVELOPED BY THE CITY											
Cities of Pleasanton and Livermore	RRM Design	Pleasanton Fire Station #2	Civ	82	2005	3.5	0	435	2,088,724	no data	177
OTHER DEVELOPERS											
Kaiser Permanente	Gates + Associates	Kaiser Admin Offices—Iron Horse Trail	Com	64	2014	0.8	36,535	130	913,616	73	45
SAN LEANDRO											
DEVELOPED BY THE CITY											
City of San Leandro	Harris Design	Siempre Verde Park Rehabilitation	Civ	68	2017	1.7	0	124	567,332	95.5	51
City of San Leandro	PGA Design	Water Pollution Control Plant Rehabilitation	Civ	89	2016	13.4	18,093	74	417,111	1,487	22
City of San Leandro	Golden Associates	BART San Leandro Streetscape	Civ	91	2015	6.9	10,488	37	246,638	4,113	13
City of San Leandro	Gates + Associates	San Leandro Senior Community Center	Civ	94	2011	3.9	0	128	998,992	175	57
OTHER DEVELOPERS											
Eden Housing, Inc.	Robert LaRocca	Estabrook Place	MF	72	2010	0.9	0	17	239,975	29	19
UNION CITY											
DEVELOPED BY THE CITY											
City of Union City	Robert Mowat	Alvarado Boulevard Medians	Civ	106	2010	0.2	0	61	210,860	no data	11
City of Union City	Robert Mowat	Willow Park	Civ	129	2009	0.5	0	26	211,452	no data	25
City of Union City	Warnecke Rosekrans	Union City Fire Station #3	Civ	76	2008	0.9	0	46	271,997	59	16
OTHER DEVELOPERS											
Mid-Peninsula Housing Coalition	Fletcher Studio	Station District Family Housing	MF	78	2012	2.2	17,860	73	408,237	877	22
Stern & Co./Comm Redev Agency of UC	Sentient Landscape	7th Street Homes	SF	62	2007	0.6	4,550	16	100,547	no data	6

Data is as of May 2019. Water savings is compared to a baseline project that is all lawn. CO2E = carbon dioxide equivalent.

Project type key: Civ = Civic. Com = Commercial. Inst = Institutional. MF = Multifamily Residential. SF = Single Family Residential.

Lawn-to-Landscape Sheet Mulch Projects in Alameda County

These projects used sheet mulch to convert turf to sustainable landscapes. They met the nine sustainable landscape requirements in the Bay-Friendly Basics Checklist and did not pursue a Bay-Friendly Rating.

Developer	Landscape Architect	Project	Type	Project Size (ac)	Area Sheet Mulched (sf)	Compost & Mulch Applied (tons)	Water Saved (gal/yr)	Construction Waste Diverted (tons)	GHG Avoided (tons CO2E)
City of Livermore	Kat Weiss Landscape Design	Maintenance Building Lawn Conversion	Civic	0.50	21,612	104	484,811	43	27
City of Oakland	Clinton Pugh	Clinton Park	Civic	0.16	7,000	32	157,027	14	9
City of Oakland	City of Oakland	Peralta Oaks Park	Civic	0.40	17,532	112	428,935	35	22
City of Pleasanton	City of Pleasanton	123 Main Street	Civic	0.19	8,200	59	200,280	15	10

Rated Landscapes — Pending Projects in Alameda County

Location	Project Name
Albany	San Pablo Avenue Stormwater Spine (SPASS)
Berkeley	Brickyards (EBRPD) San Pablo Avenue Stormwater Spine (SPASS)
Emeryville	NEW: 40 th Street Median Bayfront Pedestrian Bicycle Bridge Project Christie Park NEW: Emeryville City Hall Emeryville Public Market (phase 3) San Pablo Avenue Stormwater Spine (SPASS)
Hayward	21 st Century Library Fairmount Terrace Park (HARD) Kennedy Park (HARD) Mia's Dream (HARD)
Oakland	NEW: Highland Hospital Lakeside Green Streets MLK Shoreline Park (EBRPD) NEW: Rainbow Recreation Center San Pablo Avenue Stormwater Spine (SPASS)
Newark	NEW: Newark Civic Center
San Leandro	NEW: Farrelly Pool