

City of Brisbane

Agenda Report

TO: Honorable Mayor and City Council

FROM: Randy Breault, Director of Public Works/City Engineer via City Manager

SUBJECT: San Bruno Mountain Watch Civic Garden Proposal

DATE: May 17, 2017

Purpose:

To hear a presentation from San Bruno Mountain Watch (SBMW) on their proposed Civic Garden on Valley Drive at the northwestern edge of the existing City Hall green infrastructure.

Recommendation:

Council should consider whether to approve the proposed installation, and whether or not they will approved the funding request for \$9,500.

Discussion:

Staff has reviewed the proposed location and planting scheme with SBMW, and has no objection or concern with it if Council should choose to approve and fund the requested 85% share of the project.

Fiscal Impact:

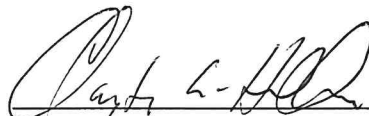
If approved by Council, funds could be sourced from the General Fund, or some other fund as directed by Council.

Attachments:

San Bruno Mountain Civic Garden proposal

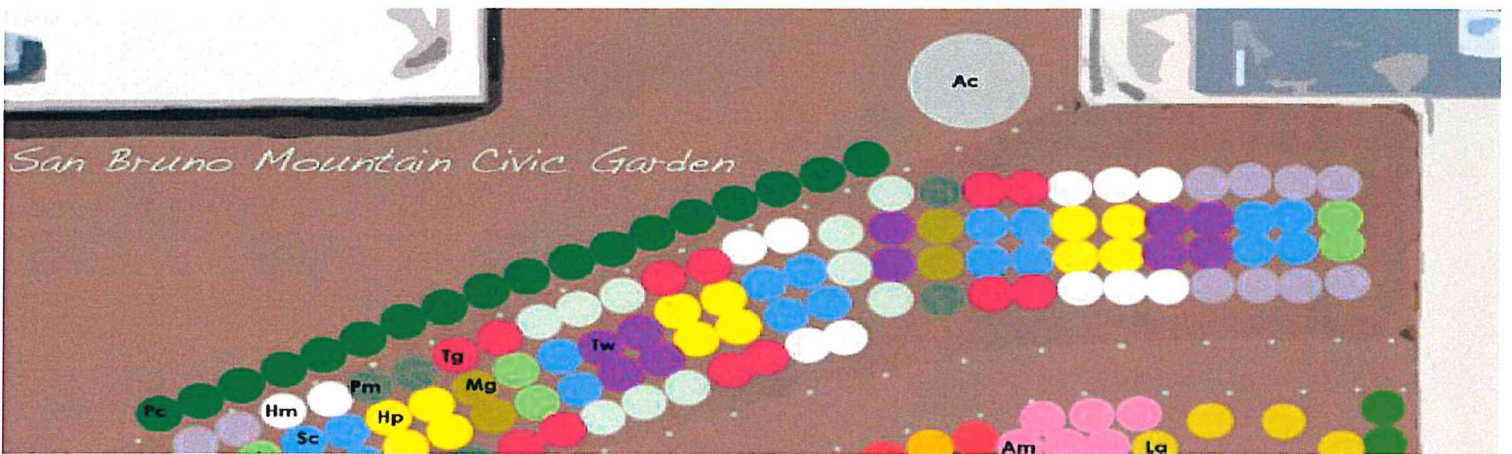


Director of Public Works/City Engineer



City Manager

San Bruno Mountain Civic Garden: An Expression of Brisbane's Dedication to the Environment & Love for San Bruno Mountain



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Programs Director

Prepared for the
City of Brisbane



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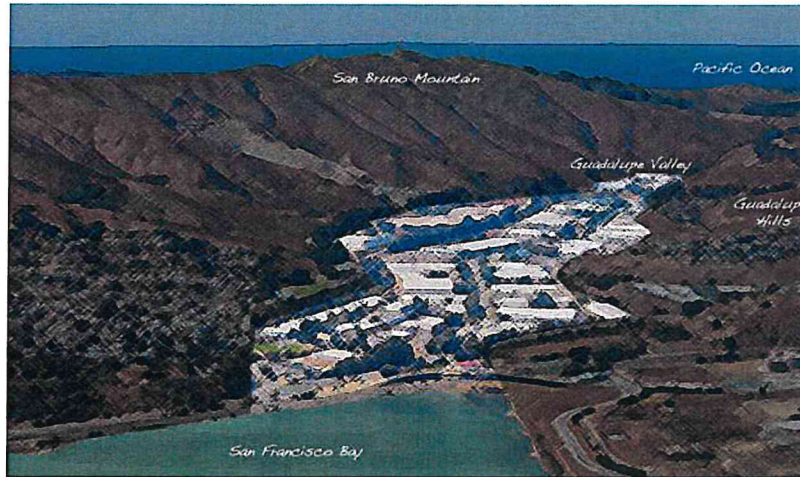
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SUMMARY PROPOSAL

San Bruno Mountain Watch (SBMW) continues to seek opportunities for connecting local communities to the cultural and natural history of Guadalupe Valley—San Bruno Mountain’s largest valley.



SBMW’s Guadalupe Valley Stewards program works towards this goal by crafting vibrant, educational landscapes with plants indigenous to San Bruno Mountain along public trails and routes in the valley.

In addition to connecting people to the mountain and the valley’s historical ecology, these gardens demonstrate sustainable landscaping practices and promote urban ecological restoration in a setting dominated by warehouses, parking lots, and roads.

Most recently, San Bruno Mountain Watch successfully transformed a barren area along a popular portion of the Crocker Park Recreational Trail into a colorful native garden with the hope that it would be one of many projects throughout Guadalupe Valley.



August 2016



June 2017

The landscaping surrounding Valley Drive, covered extensively by lawns, would benefit from new landscaping initiatives that are more attuned to water-conservation principles and other green practices.

The City of Brisbane and a few businesses in Crocker Industrial Park have already installed examples of green infrastructure and efficient gardens, including bioswales, rain gardens, and xeriscapes.

San Bruno Mountain Watch proposes to create a new landscape, the San Bruno Mountain Civic Garden, to provide a unique example of environmentally-friendly landscaping that is inspired by and strengthens local identity, sense of place, and participatory community action—by only using plants that are sourced from and native to San Bruno Mountain, grown with the help of volunteers at SBMW’s Mission Blue Nursery in Brisbane, and planted, maintained, and assessed by community members and local students.

This garden would be ideal in an area of Brisbane City Hall outside of the Brisbane Police Department. This area, a gently sloping hill and a swale, has lost the landscaping it had previously, and is a highly visible area in need of rejuvenation.



View of site in 2011.



View of site in 2017.

San Bruno Mountain Watch proposes to plant this area in the Spring of 2018 with the help of volunteers and students from Lipman Middle School, in coordination with the City of Brisbane.

San Bruno Mountain Watch and Lipman Middle School jointly applied for and received a San Mateo County Math & Science Teacher Innovation Grant for the 2017-18 school year, supplemented by funds from the Brisben Educational Support Team/Parent Teacher Organization (BEST/PTO), to provide students with opportunities to explore native plants through the perspectives of ecological restoration, horticulture, and the scientific process.

Youth involvement in the San Bruno Mountain Civic Garden would complement the activities that have already been provided to the students as part of the grant at Lipman Middle School and on San Bruno Mountain.

Students would be involved in taking qualitative measurements of the plants in the garden, assessing each species planted for aesthetic and sensory qualities like fragrance, leaf texture, form, color, habitat value, vitality, and more.

Students would then compile a collective report or presentation for the City of Brisbane to provide their findings with the aim of making recommendations and sharing perspectives regarding the suitability of each species for use in a formal setting.

Their results and analysis could assist and guide the City and other local landowners including homeowners and businesses in considering the use of San Bruno Mountain native plants in their landscaping decisions.

The proposed garden design site plan and plant list is provided on the following pages, as well as a budget noting the total project costs and funding needs.

San Bruno Mountain Watch is requesting the City of Brisbane contribute \$9,500 to enable the provision of more plants for the garden and to cover the cost of planning, installing, promoting, and maintaining the garden through the end of the fiscal year. SBMW is interested in continuing to maintain this site in the future as well.

City funding would augment the available funding provided by the San Mateo County Math & Science Teacher Innovation Grant, BEST/PTO, and San Bruno Mountain Watch.

SITE PLAN





San Bruno Mountain Civic Garden-Planting Plan						
Species Code	Common Name	Scientific Name	Size	Qty	Price	Line Total
Ac	California buckeye	<i>Aesculus californica</i>	gallon	1	\$12	\$ 12
Am	sea pink	<i>Ameria maritima</i>	gallon	6	\$12	\$ 72
Ap	beach sagewort	<i>Artemisia pycnocephalus</i>	gallon	3	\$12	\$ 36
Cd	yerba buena	<i>Clinopodium douglasii</i>	gallon	12	\$12	\$ 144
Df	powdery liveforever	<i>Dudleya farinosa</i>	gallon	3	\$12	\$ 36
Ec	California fuschsia	<i>Epilobium canum</i>	gallon	11	\$12	\$ 132
Hc	California horkelia	<i>Horkelia californica</i>	gallon	28	\$12	\$ 336
Hm	cow parsnip	<i>Heracleum maximum</i>	gallon	14	\$12	\$ 168
Hp	rosilla	<i>Helenium puberulum</i>	gallon	12	\$12	\$ 144
Hs	San Bruno Mt golden aster	<i>Heterotheca sessiliflora</i>	gallon	4	\$12	\$ 48
Jo	western rush	<i>Juncus occidentalis</i>	gallon	6	\$12	\$ 72
Lo	yellow bush lupine	<i>Lupinus arboreus</i>	gallon	4	\$12	\$ 48
Mo	bush monkeyflower	<i>Mimulus auranticus</i>	gallon	6	\$12	\$ 72
Mg	seep monkeyflower	<i>Mimulus guttatus</i>	gallon	4	\$12	\$ 48
Pc	ninebark	<i>Physocarpus capitatus</i>	gallon	18	\$12	\$ 216
Phc	California phacelia	<i>Phacelia californica</i>	gallon	6	\$12	\$ 72
Pn	woods phacelia	<i>Phacelia nemoralis</i>	gallon	6	\$12	\$ 72
Sc	Pacific aster	<i>Symphiotrichum chilensis</i>	gallon	18	\$12	\$ 216
Ss	hummingbird sage	<i>Salvia spathacea</i>	gallon	3	\$12	\$ 36
Sv	California goldenrod	<i>Solidago velutina ssp. californica</i>	gallon	9	\$12	\$ 108
Tg	Fringecups	<i>Tellima grandiflora</i>	gallon	12	\$12	\$ 144
Tw	springbank clover	<i>Trifolium wormskoldii</i>	gallon	10	\$12	\$ 120
Vg	giant pea	<i>Vicia gigantea</i>	gallon	12	\$12	\$ 144
				208		\$ 2,496

Groundcovers for Infill Planting (not shown on landscape design) \$5 each, Qty TBD		
Common Name	Scientific Name	Size
beach strawberry	<i>Fragaria chiloensis</i>	4"square or 2.4" sq x 5" deep or 1.5" dia x 8.5"deep
woodland strawberry	<i>Fragaria vesca</i>	**
red fescue	<i>Festuca rubra</i>	**
yerba buena	<i>Clinopodium douglasii</i>	**
Pacific silverweed	<i>Potentilla anserina</i>	**
California ponysfoot	<i>Dichondra donelliana</i>	**

Annual wildflowers for Infill Planting (not shown on landscape design) \$5 each, Qty TBD		
Common Name	Scientific Name	Size
California buttercups	<i>Ranunculus californica</i>	**
Common fiddleneck	<i>Amsinckia intermedia</i>	**
Ruby chalice clarkia	<i>Clarkia rubicunda</i>	**
winecup clarkia	<i>Clarkia purpurea</i>	**
California goldfields	<i>Lasthenia californica</i>	**
blue-eyed grass	<i>Sisyrinchium bellum</i>	**



SAN BRUNO MOUNTAIN WATCH
 SAN BRUNO MOUNTAIN CIVIC GARDEN
 PROPOSED PROJECT BUDGET
 APRIL 2018 - JUNE 2018

		TOTAL COSTS	Proposed Funding Sources	
			City of Brisbane	San Mateo County Math & Science Teacher Innovation Grant. BEST/PTO
TOTAL		\$11,120	\$9,500	\$1,620
DIRECT PROJECT COSTS		\$9,443	NOTES	
1 Project Personnel		\$3,820		
1.1	Programs Director: Garden Design and Layout	\$1,100	Preparation and design of garden site, creation of site plan, and on-site layout & marking to align with site plan 22 hours x \$50/hour (wages & benefits)	\$1,100
1.2	Programs Director: Garden Workdays	\$1,500	Preparation, planning, and leading ten garden planting and maintenance workdays for community volunteers and SBMW interns, from April 2018-June 2018. Mulching, planting, & weeding. 3 hours x \$50/hour (2 hours for event, 1 hour of event planning, coordination, set-up and clean-up)	\$1,500
1.3	Programs Director: Community Outreach	\$500	Production of article for Brisbane's STAR newsletter chronicling project process and student involvement, including photography. Development of social media posts promoting garden and project. 10 hours x \$50/hour	\$500
1.4	Programs Director: Educational Programs	\$720	Creation of classroom presentations and activities for two classes from Lipman Middle School. Four student field trips to San Bruno Mt Civic Garden to participate in garden creation and assess qualitative measurements on plantings.	\$300 \$420
2 Materials & Supplies		\$5,623		
2.1	Native Plants	\$2,496	Native plants for San Bruno Mountain Civic Garden, indigenous to San Bruno Mountain and grown at Mission Blue Nursery. Perennials. \$12 per plant (gallon sizes) x 208 plants	\$1,296 \$1,200
2.2	Native Plants (Infill)	\$1,000	Native plants for San Bruno Mountain Civic Garden, indigenous to San Bruno Mountain and grown at Mission Blue Nursery. Infill groundcovers and annual wildflowers. \$5 per plant (4"square or 2.4" sq x 5" deep or 1.5" dia x 8.5" deep pots) x 200 plants	\$1,000
2.3	Native Plants (Replacements)	\$372	31 gallon plants, replacements for estimated 15% mortality of 208 gallon plantings. \$12 per plant x 31	\$372
2.4	Mulch	\$1,500	Woodchip mulch, matching the brown pro-chip mulch already in use around City Hall	\$1,500
2.5	Tools	\$255	Steel digging bar, cutting shovels, landscape marking flags/paint, etc	\$255
INDIRECT PROJECT COSTS		\$1,677	NOTES	
4 Administrative Costs		\$1,677		
4.1	Administration	\$1,677	Project communications, administration, reporting, etc. about 15% project budget	\$1,677

