

FINAL REPORT
CONTRACT NO. ML18138

**Electric Vehicle Charging Stations Infrastructure and
Bicycle Racks Installation Project**

City of La Cañada Flintridge
May 8, 2020

Prepared for the Mobile Source Air Pollution Review Committee (MSRC) under the
AB 2766 Discretionary Fund Work Program.

Acknowledgments

Mobile Source Air Pollution Review Committee (MSRC)

South Coast Air Quality Management District (SCAQMD)

City of La Cañada Flintridge City Council

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This report was submitted in fulfillment of Contract Number ML18138, Electric Vehicle Charging Stations Infrastructure and Bicycle Racks Installation Project by the City of La Cañada Flintridge under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of March 2, 2020.

Disclaimer

The statement and conclusions in this report are those of the contractor and not necessarily those of the Mobile Source Air Pollution Reduction Review Committee (MSRC) or the South Coast Air Quality Management District (South Coast AQMD). The mention of commercial products, their sources or their uses in connection with material reported is not to be construed as either an actual or implied endorsement of such products.”

Executive Summary

The Mobile Source Air Pollution Reduction Review Committee (MSRC) and the City of La Cañada Flintridge have executed Contract No. ML18138 to install twenty single loop bicycle racks and four (4) “Level II” type electric vehicle charging stations.

On July 17, 2018, the City Council authorized staff to submit an application to the Mobile Source Air Pollution Reduction Review Committee’s Local Government Partnership Program for the installation of bicycle racks and electric vehicle charging stations for private and public use. The Program co-funds clean air projects that utilize AB 2766 Motor Vehicle Registration Fee Subvention Funds. The City’s application was approved on October 5, 2018.

On January 15, 2019, City Council approved the execution of the AB 2766/MSRC Local Government Partnership Program Contract. Soon after, staff began the process of acquiring a proposal from the appropriate vendors. Also, approvals for the installation of the bicycle racks and electric vehicle charging stations on facilities managed by partner agencies/ jurisdictions were obtained in the form of an agreement and memorandum of understanding.

The City purchased four (4) electric vehicle charging stations and twenty bicycle racks. The charging stations are located at City Hall’s subterranean garage (2), City Hall public parking lot (1), and Lanterman Auditorium public parking lot (1). The project will provide for four (4) charging stations with a total of four (4) charging ports. Twelve bicycle racks were purchased in partnership with Descanso Gardens Guild and installed at the Descanso Gardens Visitor Center. The remaining racks were installed at City Hall (2), Descanso Trail (2), Gould Canyon Trailhead (2), and Winery Channel Trailhead (2). The projects were completed at different times through the approval and purchasing process. The final project was completed in March 2020.

Project Description & Work Performed

With the assistance of the Mobile Source Air Pollution Reduction Review Committee (MSRC), the City of La Cañada Flintridge purchased and installed four (4) Level II type single port electric vehicle (EV) charging stations with the capacity to charge a total of four (4) vehicles; one vehicle per station. There are two (2) stations available to the public and two (2) stations for the use of City vehicles. Additionally, the City installed twenty single loop bicycle racks at various locations throughout the City.

The City believes that these projects will contribute to the SCAQMD air quality goals and provides the community with alternative modes of transportation and easy access to these amenities throughout the City.

1. Electric Vehicle Charging Station Project

As part of the City Hall construction project, the City worked with a consulting company to design a dedicated electrical circuit with sufficient electrical capacity for each charging spot located in the subterranean parking lot. The City's electrician, Barr Electric ensured the installation of the conduit and required wiring to run electricity to the EV charging stations. Barr Electric also worked directly with the EV charging station vendor to select the units. The installation of the EV charging stations was completed in February 2019.

The City purchased two EV charging stations through ChargePoint, Inc. Five existing units are installed throughout the City that uses ChargePoint, Inc. as the direct provider of network services. The City selected the same vendor to maintain consistency for users. This would allow users to use their existing account with ChargePoint, Inc. instead of having to obtain a second account through a different company. The City Council authorized the execution of the agreement with ChargePoint, Inc. on November 19, 2019. After the agreement was executed, staff ordered the EV equipment and arranged for contractors to prepare the sites for installation. FS Construction, Inc. provided concert removal, the pad foundation, and installation of safety bollards. Barr Electric managed the electrical aspect for the project including the installation and connection of equipment.

One unit was installed at the Lanterman Auditorium public parking lot, a facility jointly maintained by the City and School District. The City entered into a Memorandum of Understanding with the La Cañada Unified School District in October 2019 to obtain authorization to install and outline a future maintenance plan for the unit. The City and the School District's maintenance personnel mutually agreed on the location of the unit. The second unit was installed on the west side public parking lot directly adjacent to City Hall. The installation of the two EV charging stations was completed in February 2020.

The locations for the EV Charging Stations are:

Location	# of Charging Stations	# of Ports
1. City Hall Subterranean Garage	2	2
2. City Hall Public Parking Lot (West)	1	1
3. Lanterman Auditorium Public Parking Lot	1	1
Total	4	4

1. Problems Encountered

The City initially intended to purchase dual-port EV charging stations to install at the locations accessible to the public. However, due to limited parking spaces at each of the selected locations, the charging capacity was reduced to one vehicle. Single-port EV charging stations were purchased instead. Given that there are five existing EV charging stations through the City and within close proximity to the new sites, the City did not see reducing the number of ports as a significant issue to potential users.

The City encountered an additional delay in the installation of the EV charging station at the Lanterman parking lot due to an existing project that required access to the majority of the lot. The City placed this site on hold until the existing project was completed. A second evaluation for the placement of the EV charging station was done to ensure that access to an electrical circuit was possible.

Due to the delay, the City requested an extension from the MSRC to allow for more time to install the unit. The City appreciates the MSRC consideration to our extension allowing the intended project to be completed

2. Bicycle Rack Project

The City installed 20 single loop bicycle racks at five locations throughout the City at public facilities and trailheads. The location for the bicycle racks are:

Location	# of Racks	Bicycle Capacity
1. City Hall Entrance	2	4
2. Descanso Trail	2	4
3. Gould Canyon Trailhead	2	4
4. Winery Channel Trailhead	2	4
5. Descanso Gardens Visitor Center	12	24
Total	20	40

Each rack accommodates two bikes, amounting to 40 additional bicycle parking spaces. The locations were selected based on high foot traffic areas and proximity to frequently

visited areas like trailheads, Descanso Gardens- a botanical garden, and City Hall which is located in the City's Town Center a popular shopping and dining hub.

The City partnered with Descanso Gardens Guild to install 12 bicycle racks at the Descanso Gardens Visitor Center at the request of City Council in June 2018. Descanso Gardens is managed by the County of Los Angeles and Descanso Gardens Guild, a nonprofit organization. The Mobile Source Air Pollution Reduction Review Committee (MSRC) Local Government Partnership Program (LGPP) allows for jurisdictions to partner with other cities and/or counties to implement projects of mutual benefit to the jurisdictions. The City included the Descanso Gardens Guild's project as a potential project in its application of the MSRC LGPP. Upon the South Coast Air Quality Management District's approval of the City's proposal and subsequent award to develop clean air projects, the City entered into an agreement with Descanso Gardens Guild for the installation of 12 bicycle racks at 1418 Descanso Drive.

With the approval of the City, Descanso Gardens Guild secured its vendors for the fabrication and installation of the bicycle racks. The bicycle rack project was completed on March 29, 2019, and opened to the public in April 2019.

The City contacted the Los Angeles County Department of Parks and Recreation to obtain approval for the placement of the bicycle racks at the trailheads on County property. Staff researched potential vendors for the remaining locations to acquire customized bicycle racks and followed a standard quote process. Neighboring cities and local agencies were contacted for specifications on similar equipment. Staff reached out to several manufactures, artisans, and vendors who could match the specifications, including providing the custom elements for the City's logo. After receiving estimates and determining who would meet the City's requests, the American Bicycle Security Company was selected. FS Construction, Inc. provided furnishing for hoop racks, hardware, and construction of a concert pad. The bicycle racks at City Hall and trailheads were installed and open to the public in early March 2020.

2. Problems Encountered

The City experienced scheduling delays with the installation at City Hall and the trailheads due to American Bicycle Security Company's inability to meet the City's initial deadline for the fabrication of the bicycle racks. The vendor encountered issues during the fabrication process including a shortage of materials and flaws in the customized design that did not meet the City's specifications. As a result, the work required by FS Construction, Inc. was rescheduled until the City had an accurate timeline for the completion and delivery of the bicycle racks.

Due to the delays, the City requested an extension from the MSRC to allow for more time to work with the vendors and create new deadlines. The City appreciates the MSRC consideration to our extension allowing the intended project to be completed.

Summary and Conclusions

The MSRC's funding for the EV charging station and bicycle rack projects furthered the City of La Cañada Flintridge's dedication in supporting programs that improve the air quality for the community and region. These projects will assist in enhancing the quality of life and health for residents. Through partnerships with local agencies, the City was able to invest in projects that provide a mutual benefit to citizens and the agencies involved. The City has received positive feedback from the community on the projects and has seen significant use of the EV charging stations and bicycle racks since the installations. The City believes each project will regenerate environmental benefits in the years to come. Also, encourage the public to transition to zero-emission vehicles and explore alternative and greener modes of transportation.

Photographs & Outreach

Electric Vehicle Charging Stations Project Photographs

Location: City Hall Subterranean Parking Lot
One Civic Center Drive, LCF. 91011



Location: City Hall Public Parking Lot
One Civic Center Drive, LCF. 91011



Location: Lanterman Auditorium Public Parking Lot
4491 Cornishon Avenue, LCF. 91011

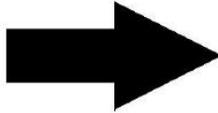


Bicycle Rack Project Photographs

Location: Descanso Gardens Visitor Center
1418 Descanso Drive, LCF. 91011



BEFORE



AFTER



Location: City Hall Entrance
One Civic Center Drive, LCF. 91011



Location: Winery Channel Trailhead
Foothill Boulevard and Indiana Avenue



Location: Descanso Trail
Southside of Descanso Drive between Leycross Drive and Fairlawn Drive



Location: Gould Canyon Trailhead
Foothill Boulevard and Oak Grove



Outreach

LFC Vista Community Newsletter- Spring 2019

https://cityoflcf.org/wp-content/uploads/2019/08/2019.03.11_LCF-Vista_Spring_FINAL_WEB.pdf

LCF Secures Grant Funding for Bicycle Racks and EV Charging Stations

The City has secured funds to install four electric charging stations and 17 bicycle racks throughout the City. During the July 17, 2018 meeting, the City Council approved participation in the Mobile Source Air Pollution Reduction Review Committee (MSRC) Local Government Partnership Program (LGPP) and the City's application to seek grant funding for clean air projects. Since that meeting, the City has been awarded a \$50,000 grant by the South Coast Air Quality Management District for the installation of electric vehicle charging stations and bicycle racks.

Securing funds through the grant process helps improve air quality and congestion in the City without draining resources. It creates a win-win situation for the residents, the City and the state as a whole.

The new bicycle racks and charging stations will be placed throughout the City, including on-site at the new City Hall.



EV Chargers

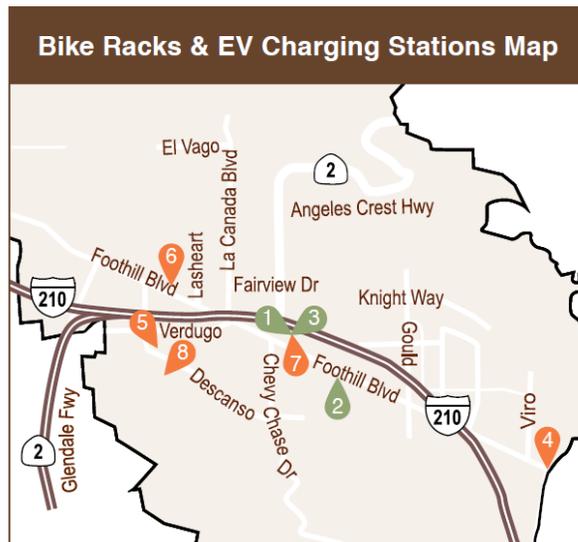
	Site Location	Number of Stations
1	Town Center City Hall public parking lot (One Civic Center Dr.)	1
2	Foothill Blvd. South side between Commonwealth Ave. & Hobbs Dr.	1
3	City Hall Subterranean parking garage (One Civic Center Dr.)	2



Bicycle Racks

	Site Location	Number of Racks
4	Gould Canyon Trailhead Foothill Blvd. & Oak Grove Dr.	1
5	Trails Council Link On Descanso Dr. between Fairlawn Dr. & Leycross Dr.	1
6	Winery Channel Trailhead Foothill Blvd. & Indiana Blvd.	1
7	City Hall One Civic Center Dr.	2
8	Descanso Gardens Visitor Center (1418 Descanso Dr.)	12

After signed contracts are in place, the charging stations and bicycle racks will be installed within one year.



Community Development Block Grant Programs

The Federal Government provides Community Development Block Grant (CDBG) funding to communities for projects that offer a direct benefit to households with low to moderate incomes.



This fiscal year, the City will receive close to \$70,000 in CDBG funds. These funds will be allocated for two programs in La Cañada Flintridge:

1. The Residential Rehabilitation Program provides grants of up to \$15,000 for eligible repairs on qualified residential property. Repairs can be in the areas of exterior or interior painting, roofing, windows and screens, plumbing, electrical, installation of detectors, removal of handicap barriers, sewer line repairs, energy efficiency, removal of lead paint hazards and other eligible repairs.
2. Sewer Connection Subsidies provide grants of up to \$12,000 for retrofit and hardscape construction associated with the lateral connection of residential residences to existing sewer lines.

To learn more about the program and how to apply, call (818) 790-8881 or email Lbrant@lcf.ca.gov.



Pickleball Comes to La Cañada Flintridge

In late 2018, at the request of several residents, the Parks and Recreation Commission researched the addition of a pickleball court in the City. This unique sport combines elements of tennis, badminton and ping pong and creates an exciting game for members of the community to partake in. The Parks and Recreation Commission conducted assessments and researched additional details about the sport and, on September 28, 2019, launched a pilot pickleball program.

While the Parks and Recreation Commission considers possible locations for a permanent pickleball court, a temporary court has been set up on a basketball court of the former Foothill Intermediate School off of Cornishon Avenue. **The venue will be available for community pickleball use on Saturdays and Sundays from 8:00 to 10:30 a.m. and 3:30 to 6:30 p.m. only.**



Staff also worked with various pickleball advocacy groups to assemble a group of pickleball ambassadors. These ambassadors are community volunteers that help organize and advocate for the sport. The ambassadors are in charge of setting up the nets, distributing paddles and balls, collecting items after each game and providing assistance as needed.

"We are excited to be working with our team of pickleball ambassadors in bringing this sport to the La Cañada Flintridge community," said Arabo Parseghian, Division Manager. "During this pilot program period, the Parks and Recreation commission will be conducting an assessment of alternative sites for a permanent pickleball court to be built."

Over the next couple of months, City staff will be evaluating the number of participants at the temporary pickleball court to gain a better understanding of the community interest and need. The data collected will help determine how many pickleball courts should be created and their locations throughout the City.

Investing in Clean Air



The City successfully secured grant funding for new electric charging stations and bicycle racks throughout the City, through the Mobile Source Air Pollution Reduction Review Committee (MSRC) Local Government Partnership Program (LGPP).

MSRC LGPP provides grant funding for municipalities to implement clean air projects and under this program the City was awarded \$50,000, paying for new electric vehicle charging stations and bicycle racks. Placement for up to twenty (20) new bicycle racks and four (4) charging stations throughout the City will be completed by February 2020.

Draft of the article. The final copy of the article with the MSRC badge will be published and distributed to the community in late May 2020.

New Bike Racks and EV Chargers in LCF Make it Easier to Go Green

Last year, the City of La Cañada Flintridge received a \$50,000 grant from the South Coast Air Quality Management District (SCAQMD) to install new bicycle racks and electric vehicle (EV) charging stations throughout the City. In March 2020, the City completed the installation project, bringing residents 20 new bike racks and 2 new EV charging stations.

The City installed the new racks and charging stations at locations with high foot traffic. With more bicycle racks now available, the City hopes residents will consider biking to places more often. Ultimately, the new installations will help improve air quality and congestion in the City by enabling greener transportation options for residents.

EV Charging Stations

\$2 for the first 3 hours, then \$5 for each hour after first 3

City Hall Public Parking Lot (One Civic Center Drive): 1

Lanterman Auditorium Public Parking Lot (4491 Cornishon Avenue): 1

Bicycle Racks

City Hall (One Civic Center Drive): 2

Winery Channel Trailhead (Foothill Boulevard and Indiana Avenue): 2

Gould Canyon Trailhead (Foothill Boulevard and Oak Grove): 2

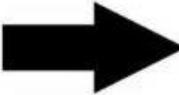
Descanso Trail (South side of Descanso Drive between Leycross Drive and Fairlawn Drive): 2

Descanso Gardens Visitor Center (1418 Descanso Drive): 12

City of La Canada Flintridge Facebook

 **City of La Cañada Flintridge** ✓
June 18, 2019 · 🌐

The City in partnership with the Descanso Gardens Guild, has installed 12 single loop bicycle racks at the Descanso Gardens Visitor Center. This project was made possible through the Clean Transportation Funding from MSRC (Mobile Source Air Pollution Reduction Review Committee).



AFTER



www.CleanTransportationFunding.org
MSRC

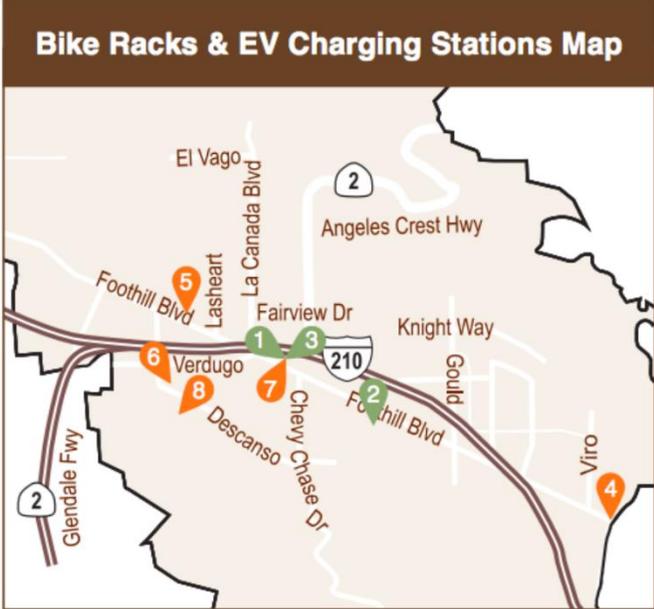
👍 22 3 Shares

🔗 Share

City of La Canada Flintridge Twitter

La Cañada Flintridge 
@TheCityofLCF

The #CityofLCF has been awarded a grant from the South Coast Air Quality Management District to install four electric charging stations and 17 bicycle racks. Keep an eye out throughout the City for these new racks and charging stations! #LCF



Bike Racks & EV Charging Stations Map

The map shows the city boundaries and major roads including El Vago, Angeles Crest Hwy, Foothill Blvd, Lasheart, Fairview Dr, Knight Way, Verdugo, Descanso, Chevy Chase Dr, Foothill Blvd, Viro, and Glendale Fwy. Numbered markers indicate the locations of bike racks (1-8) and EV charging stations (1-4).

11:01 AM · Mar 13, 2019 · Hootsuite Inc.

1 Like

La Cañada Flintridge 
@TheCityofLCF

The City in partnership with the Descanso Gardens Guild, has installed 12 single loop bicycle racks at the Descanso Gardens Visitor Center. This project was made possible through the Clean Transportation Funding from MSRC (Mobile Source Air Pollution Reduction Review Committee).



The image shows a 'before' photo of a person standing next to a bicycle and an 'after' photo showing the newly installed bicycle racks. An arrow points from the 'before' photo to the 'after' photo.



Investing in Clean Air

11:01 AM · Jun 18, 2019 · Hootsuite Inc.

3 Likes

Community Center LCF @CommCenterLCF · Jun 18, 2019
Replying to @TheCityofLCF
They really did a great job. Looks very nice!

Reserve Tickets



If you are two-wheeling to La Cañada Flintridge Community Evening, check out our new bicycle rack at the entrance to the Visitor Center.

This project was made possible through the Clean Transportation Funding from MSRC (Mobile Source Air Pollution Reduction Review Committee) and the City of La Cañada Flintridge.

The City also provided funds for the new bottle-fill water fountain at the entry. We are so grateful for their support!



descansogardens.org | (818) 952-4390



© 2019, Descanso Gardens Guild, Inc.

Descanso Gardens Guild Bike Rack Signs

This bike rack was made possible by:

Clean Transportation Funding from MSRC
(Mobile Source Air Pollution Reduction Review Committee)

The City of La Cañada Flintridge



Descanso Gardens

Descanso Gardens Guild Member
Newsletter- September 2019



News

Next time you visit, be sure to check out our new bicycle rack at the entrance to the Visitor Center. This project was made possible through the Clean Transportation Funding from MSRC (Mobile Source Air Pollution Reduction Review Committee) and the City of La Cañada Flintridge.

The City also provided funds for the new bottle-fill water fountain at the entry. We are so grateful for their support!



La Cañada Flintridge Trails Council Webpage

<https://www.lcftrails.org/>

Take pictures and post them on Instagram with the trail hashtag and your images will be shared on the LCFtrails.org website!!
Click on this link to see all the trails HASHTAGS

NEW BIKE RACKS LOCATED NEAR SEVERAL TRAILHEADS

The City of La Canada Flintridge applied for and received grant funding from the Air Quality Management District for the purchase and installation of bike racks throughout the City. The racks are installed at the following three trail locations and city hall:

1. Parking Lot (Winery Channel Trailhead)
2. Descanso Drive (Descanso Trail)
3. Foothill Blvd. (Gould Canyon Trail)
4. Plus LCF City Hall.

The Trails Council would like to thank The City of La Canada Flintridge for applying for, and managing the Bike Rack Grant.



Welcome to
La Cañada Flintridge Trails Council

The La Canada Flintridge Trails Council is a nonprofit, volunteer organization established in 1974. Dedicated to developing, preserving, promoting, and maintaining our local and regional trail systems, the LCF Trails Council works closely with the County of Los Angeles and the City of La Cañada Flintridge to keep the 23 miles of trails open, accessible, and enjoyable.

Due to the need for users using social distancing...

As such and to avoid confusion between City and County trails because they are so intertwined, I have authorized the closure of all City trails as well. We are starting the notification process and will be updating our website.... See More

LCFTRAILS.ORG
[lcftrails.org](https://www.lcftrails.org/)

1 Like 1 Comment 1 Share

 **La Canada Flintridge Trails Council**
about 4 months ago