

KERN COUNCIL OF GOVERNMENTS
Congestion Mitigation and Air Quality (CMAQ) Program
PROJECT APPLICATION – Due Thursday, July 17, 2025

*Please note this is a PDF fillable form so responses may be typed. Items 1, 2, 7, and 22 are drop downs. Totals in item 6 will automatically calculate.

- (1) Is the project included in a local agency-adopted resolution supporting the project? Yes
- (2) Does the proposed project meet basic eligibility requirements? Yes
- (3) Project background and justification: Explain the project in terms of the existing infrastructure, its impact for service, safety or any other issue that is relevant to the project (attach to application). If the project scope relates to fueling infrastructure please provide a 3-year fleet conversion plan.
- (4) Lead Agency: City of Wasco
- (5) Project description [(Location:) + (Limits) + (;) + (Improvement/Activity)]
Construct a new Slow-Fill Compressed Natural Gas (CNG) Station at the new public works yard and transit facility on the southeast corner of Filburn Avenue and Central Avenue, to support city's existing CNG sanitation and transit fleet in reducing emissions.

(6)	Funding Type	PE	R/W	Const.	Total
	Local	\$	\$	\$	\$ 0
	Local	\$	\$	\$	\$ 0
	State TDA LTF	\$ 38,998	\$ 0	\$ 38,998	\$ 77,996
	Federal CMAQ	\$ 11,002	\$ 0	\$ 591,002	\$ 602,004
	Total	\$ 50,000	\$ 0	\$ 630,000	\$ 680,000

- (7) Programming Year by Phase: PE: FY 26-27 R/W: N/A Const: FY 27-28
- (8) VMT Reduction (annual miles): N/A
- (9) VOC Reduction (kg/day): N/A Additional documentation required. See instructions.
- (10) NOx Reduction (kg/day): N/A Additional documentation required. See instructions.
- (11) PM₁₀ Reduction (kg/day): .013380806 kg/day Additional documentation required. See instructions.
- (12) PM_{2.5} Reduction (Kg/day): .011835602 kg/day Additional documentation required. See instructions.
- (13) CO Reduction (kg/day): N/A Additional documentation required. See instructions.
- (14) Cost-Effectiveness (\$/lb): 6,727.63 Additional documentation required. See instructions.
- (15) Livability and Safety: Describe how project provides the six benefits; limit to half page per benefit.
- (16) Hwy Peak Period LOS Before Project (AM/PM average): N/A
- (17) Hwy Peak period LOS After Project (AM/PM average): N/A
- (18) Bikeway Peak Period LOS Before Project (AM/PM average): N/A
- (19) Bikeway Peak period LOS After Project (AM/PM average): N/A
- (20) Pedestrian Peak period LOS Before Project (AM/PM average): N/A
- (21) Pedestrian Peak period LOS After Project (AM/PM average): N/A
- (22) Is the project identified as a RACM/BACM? No

Application completed by: Maria Lara

Date Completed: 7/16/2025

E-mail: malara@cityofwasco.org

Phone Number: 661-758-7218

Agency: City of Wasco

Address: 764 E. Street Wasco, CA 93280

Send completed application electronically on a flash drive with transmittal letter on agency letterhead to:

Attn: Ceasar Valle ❖ Kern Council of Governments, 1401 19th Street, Suite 300, Bakersfield, CA 93301

OR send Digitally via [Dropbox, click here.](#)

CITY OF WASCO
CMAQ APPLICATION 2025
Slow-Fill CNG Station Project

3) Project Background and Justification

The City of Wasco requests \$ 680,800.00 in CMAQ funds to construct a new Slow-Fill Comprehensive Natural Gas Station. Our current CNG fueling infrastructure includes an outdated off-site station where trucks are parked daily. This requires drivers to travel about 2 miles each day to fuel their equipment, increasing emissions, causing vehicle wear and tear, and wasting time. Installing these slow fueling stations within the new public works yard and transit facility will allow drivers to plug in their trucks at the end of each day, ensuring they are fully fueled for the next morning. This will improve safety and security for our fleet, reduce downtime, lower emissions, and minimize vehicle wear and tear. The City's current CNG fleet consists of nine vehicles, including seven sanitation vehicles, one sweeper, and one transit cutaway.

Wasco and the Bakersfield Metropolitan Area ranked #1 worst in the nation for short-term and annual particle pollution and third for ozone pollution. These findings are from the American Lung Association's 2024 annual State of the Air report. Past years showed similar results. Emissions from mobile sources, such as cars, diesel trucks, locomotives, and agricultural equipment, are the primary polluters, followed by non-mobile sources from oil refineries and manufacturing plants. A 2010 study by the National Oceanic and Atmospheric Administration and the California Air Resources Board found diesel exhaust responsible for 65% to 90% of the Bakersfield area's vehicle-related secondary organic aerosol content of smog. Diesel exhaust is a known contributor to lung cancer, cardiovascular diseases, and pulmonary diseases.

According to the ALA's State of the Air 2024 report, more efforts are needed to reduce diesel emissions and promote cleaner vehicles and fuels. The City of Wasco has already begun this by replacing its diesel sanitation trucks with those powered by clean-burning compressed natural gas (CNG). However, sustaining this effort requires reliable and affordable CNG fueling infrastructure to continue advancing the transition to clean energy.

The City of Wasco provides waste disposal services for the community. The service operates five days a week with a fleet of 7 CNG-fueled refuse trucks, half of which are over ten years old. This proposal recommends building a new slow-fill CNG station to fuel an existing fleet of nine CNG-powered vehicles and promote/support the replacement of at least four existing diesel trucks with CNG-powered ones.

CITY OF WASCO
CMAQ APPLICATION 2025

Slow-Fill CNG Station Project

5) Describe whether and how the project provides the four Livability benefits.

1. Will enhance or reduce the average cost of user mobility through the creation of more convenient transportation options for travelers.

The project will lower the City's operational costs for sanitation, transit, and street departments. The new slow-fill compressed natural gas (CNG) station will be strategically located and accessible to staff, reducing operating expenses and providing reliable, affordable services for customers. Most of the world's CNG is produced in North America, where prices are more stable, enabling the City to negotiate better long-term contracts for its supply. The savings will be passed on to consumers by helping to prevent future increases in local trash collection fees, transit fares, and traffic impact fees.

2. Will improve existing transportation choices by enhancing points of modal connectivity, increasing the number of modes accommodated on existing assets, or reducing congestion on existing modal assets.

The project will improve existing transportation conditions by reducing diesel emissions. This will be achieved by continuing to advance the transition to cleaner energy and promoting the replacement of diesel-powered city vehicles with those running on cleaner CNG fuel. The new slow-fill CNG fueling facility at the new public works yard and transit facility will reduce congestion on existing roads, as CNG-fueled vehicles will no longer need to travel out of town for a fill-up.

3. Will improve travel between residential areas and commercial centers and jobs.

The City of Wasco Transit Fleet currently operates a diverse range of vehicles, including electric, CNG, and gasoline-powered ones. Because electric vehicles are unreliable and CNG stations are not always dependable, we need a variety of options to ensure residents always have a transportation choice for trips to residential areas, parks, shopping centers, medical appointments, and jobs. Additionally, the sanitation department's CNG-fueled truck fleet is 90% cleaner and quieter than its diesel truck fleet. This reduces air and noise pollution along the trucks' routes, making travel more pleasant and less disruptive. It also makes operating the routes more affordable, as CNG vehicles are less expensive to operate.

CITY OF WASCO
CMAQ APPLICATION 2025
Slow-Fill CNG Station Project

4. Will improve accessibility and transportation services for economically disadvantaged populations, non-drivers, senior citizens, and persons with disabilities, or make goods, commodities, and services more readily available to these groups.

Yes, the project is situated in Census Tracts 44.01, 44.02, and 43.01, which rank in the 80th to 99th percentile for overall scores according to Cal EnviroScreen 4.0; however, it scores in the 95th to 98th percentile for PM_{2.5} exposure, one of the highest levels in the state. The planned project will greatly improve air quality, lower operating costs, and enhance safety by providing reliable, cleaner energy for city fleets.

The entire project is within Census Tracts with high overall scores, ranging from the 80th to 99th percentile, with the 89th percentile in unemployment and the 87th percentile in poverty according to Cal EnviroScreen 4.0. Availability of a reliable new slow-fill CNG station, will make it easier for these communities to access goods and services. They will benefit from lower transit and trash collection fees due to CNG's lower operating costs. The reduction in air and noise pollution from CNG-fueled vehicles improves public health and safeguards sensitive groups. The use and storage of compressed natural gas avoids the pollution hazards of liquid fuels because it cannot leak into soil, surface water, or groundwater.

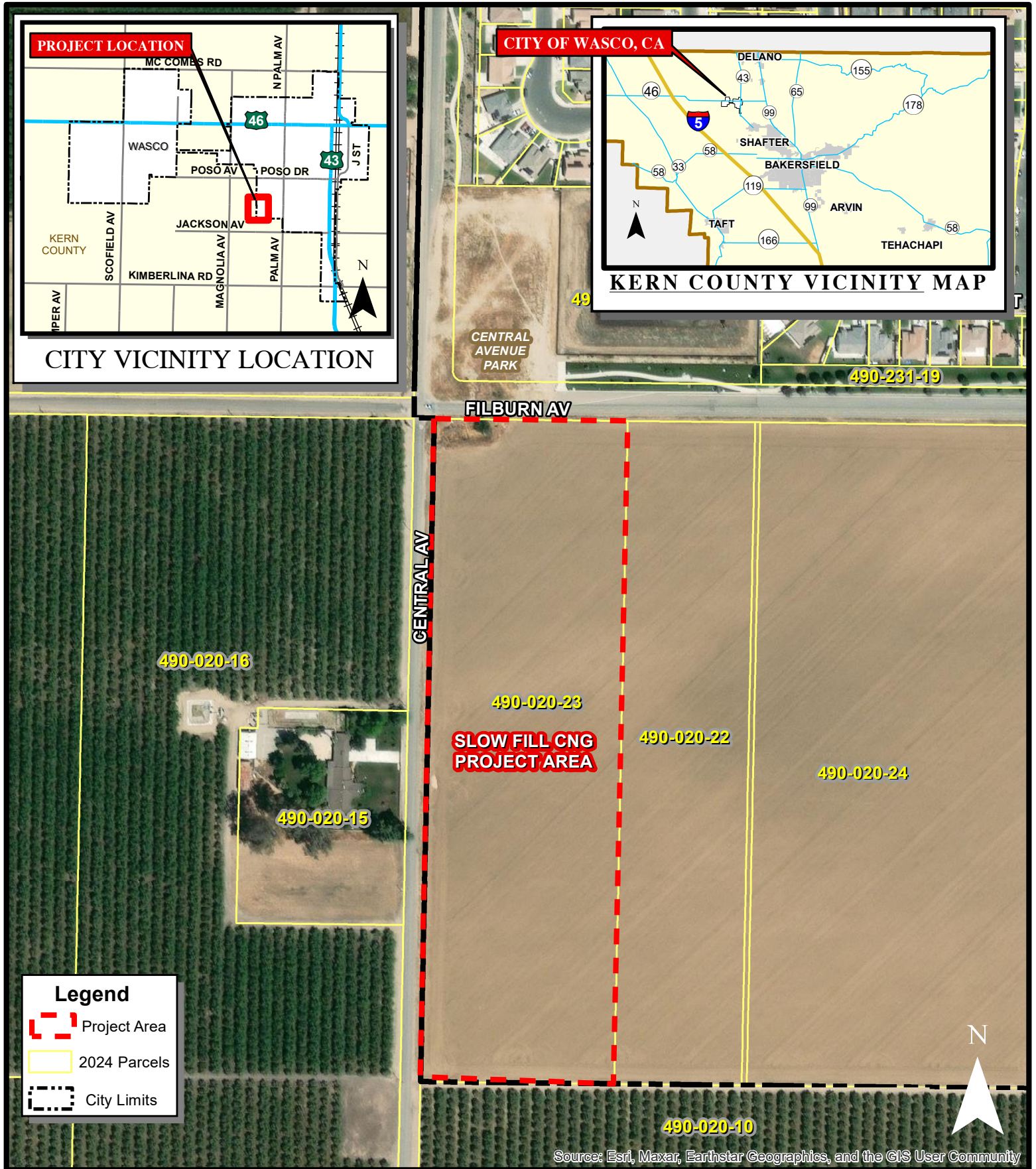
5. Is the existing Accident Rate higher than the average rate for a similar facility, and does the project reduce the Accident Rate to the average rate or lower?

Not Applicable.

6. Is the existing Fatality Rate higher than the average rate for a similar facility, and does the project reduce the Fatality Rate to the average rate or lower?

Not Applicable.

SLOW FILL CNG STATION



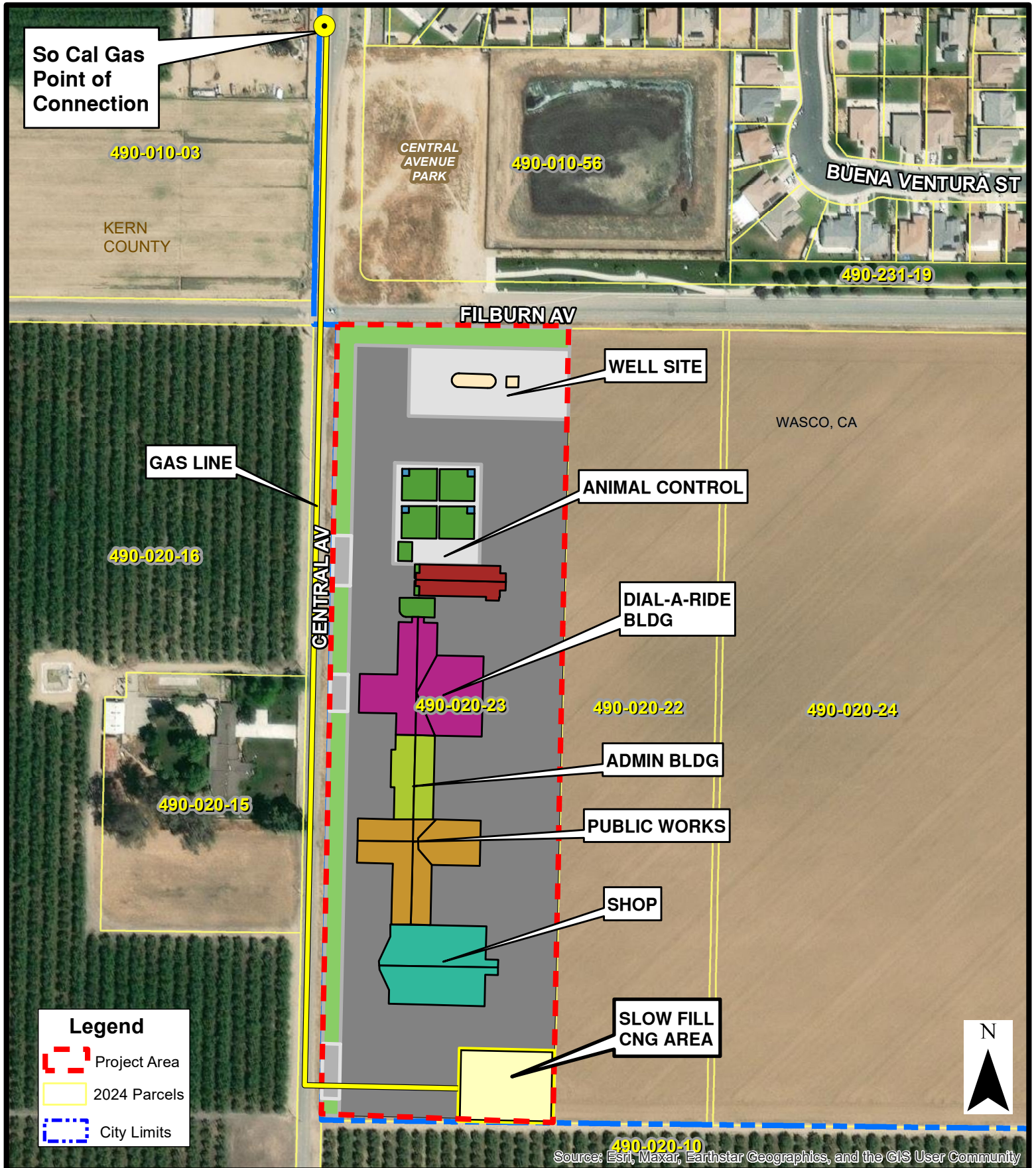
Project Site Map

0 60 120 240 360 480 Feet



Department of Public Works
Engineering Services
764 E Street, Wasco, CA 93280
Phone (661) 758-7271 Fax (661) 758-1728

CMAQ SLOW FILL CNG STATION



PROJECT SITE PLAN



Department of Public Works
Engineering Services
764 E Street, Wasco, CA 93280
Phone (661) 758-7271 Fax (661) 758-1728

0 50 100 200 300 400 Feet

Project Description

CNG Fueling infrastructure for CNG Sanitation Fleet. Infrastructure would service the existing (7) CNG vehicles for the Public Works Sanitation Department. For purposes of this calculation, it is assumed that the convenience of this infrastructure will cause an increase in 4 CNG Vehicles to replace other existing Diesel powered vehicles.

Step 1:	Pollutant	Emission Impact Per Vehicle (grams/Mile)	Annual VMT	Annual Number of Affected Trucks	Annual Emission Benefit (Grams)	Annual Emission Benefit (TON)	Annual Emission Benefit (kg)	DAILY Emission Benefit (kg)
	PM 2.5:	0.036	30000	4	4320	0.004761979	4.319994862	0.011835602
	PM10:	0.0407	30000	4	4884	0.005383682	4.883994192	0.013380806
Step 2:	Pollutant	Annual Emission Benefit (TONS)	Project Lifetime (YEARS)	Lifetime Emission Benefit (TONS)				
	PM 2.5:	0.004761979	20	0.095239584				
	PM10:	0.005383682	20	0.107673641				
Step 3:	Pollutant	Lifetime Emission Benefit (TONS)	Project Cost	Cost-effectiveness (Dollars Per Ton)	Cost-effectiveness (Dollars Per lb)			
	PM 2.5:	0.095239584	\$ 680,000.00	\$ 7,139,888.39	\$ 3,569.94			
	PM10:	0.107673641	\$ 680,000.00	\$ 6,315,380.39	\$ 3,157.69			

**CITY OF WASCO
Engineers Estimate
CMAQ Slow-Fill CNG Station**

				Estimate	
ITEM NO.	ITEM CODE	UNIT OF MEASURE	ESTIMATED QUANTITY	PRICE PER UNIT	TOTAL PRICE
1	So Cal Gas Connection	LS	1	300,000.00	\$ 300,000.00
2	CNG Slow-Fill Equipping	LS	1	250,000.00	\$ 250,000.00

SUBTOTAL	\$	550,000.00
CONTINGENCIES	\$	55,000.00
Total	\$	605,000.00
PE	\$	50,000.00
CE	\$	25,000.00
TOTAL	\$	680,000.00

RESOLUTION NO. 2025 - 4218

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WASCO APPROVING AN APPLICATION FOR FUNDING AND AUTHORIZING THE CITY MANAGER OR DESIGNEE TO EXECUTE A GRANT AGREEMENT AND ANY AMENDMENTS THERETO FOR FISCAL YEAR 2025 CONGESTION MITIGATION AIR QUALITY PROGRAM AND/OR CARBON REDUCTION PROGRAM (CMAQ) FUNDING AND COMMITTING THE NECESSARY LOCAL MATCH AND STATING THE ASSURANCE TO COMPLETE THE CONSTRUCTION OF A NEW COMPRESSED NATURAL GAS (CNG) SLOW-FILL STATION

WHEREAS, the City of Wasco (herein referred to as APPLICANT) is submitting an application to the Kern Council of Governments (Kern COG) for (\$680,000.00) in funding from the Congestion Mitigation Air Quality Program and/or Carbon Reduction Program (herein referred to as "federal funding") for a new Compressed Natural Gas (CNG) Slow-Fill Station (herein referred to as PROJECT); and

WHEREAS, APPLICANT has the financial capacity to complete, operate and maintain the PROJECT; and

WHEREAS, APPLICANT will ensure that funds required from other sources will be reasonably expected to be available within the time frame needed to carry out the PROJECT; and

WHEREAS, APPLICANT is authorized to execute and file an application for funding the PROJECT under the Congestion Mitigation Air Quality Program and/or Carbon Reduction Program; and

WHEREAS, APPLICANT authorizes its city manager, or designee to execute and file an application with Kern COG for federal funding for the PROJECT as referenced in this resolution.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Wasco, as follows:

SECTION 1. APPLICANT will provide \$77,996.00 (11.47%) in Transportation Development Act (TDA) Local Transportation Funds (LTF) for (local) matching funds; and

SECTION 2. APPLICANT understands that the Congestion Mitigation Air Quality Program and/or Carbon Reduction Program funding for the project is fixed at the approved programmed amount, and that any cost increases must be funded by the APPLICANT from other funds, and that APPLICANT does not expect any cost increases to be funded with additional federal funding; and

SECTION 3. APPLICANT understands the funding deadlines associated with these funds and will comply with the program implementation procedures described in Chapter 2 of the Kern COG Project Delivery Policies and Procedures manual; and

SECTION 4. PROJECT will be implemented as described in the complete application and in this resolution and, if approved, for the amount programmed in the FTIP; and

SECTION 5. APPLICANT and the PROJECT will comply with the requirements as set forth in the program; and


SECTION 6. APPLICANT authorizes its City Manager or designee to execute and file an application with Kern COG for federal funding for the PROJECT as referenced in this resolution.

BE IT FURTHER RESOLVED that the City Manager, or designee is hereby authorized and empowered to execute in the name of the City of Wasco all grant documents, including but not limited to, applications, agreements, amendments, reports, budget appropriations and requests for payment, necessary to secure grant funds and implement the approved grant PROJECT.

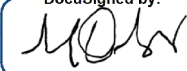
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I HEREBY CERTIFY that the foregoing Resolution No. 2025 - 4218 was passed and adopted by the Council of the City of Wasco at a regular meeting thereof held on June 17, 2025, by the following vote:

COUNCIL MEMBERS:	MEDINA, SALDAÑA, MARTINEZ, RAYA, REYNA
AYES:	MEDINA, SALDAÑA, MARTINEZ, RAYA, REYNA
NOES:	NONE
ABSTAIN:	NONE
ABSENT:	NONE

Signed by:

B0126BAE10EB473...
VALENTIN MEDINA,
MAYOR of the City of Wasco

Attest: 6/18/2025

DocuSigned by:

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MARIA O. MARTINEZ, CMC
CITY CLERK and Ex Officio Clerk of
the Council of the City of Wasco

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