New Mexico Environment Department
Light Duty Electric Vehicle Supply Equipment Program

Project Application
July 15, 2019

Contents

Application Guide

New Mexico Environment Department (NMED) is offering this application for the Light Duty Electric Vehicle Supply Equipment (LDEVSE) Program, funded through the Trust established by the Volkswagen (VW) Settlement with the United States and administered by Wilmington Trust, N.A. (Trustee). NMED developed a Beneficiary Mitigation Plan (Plan) to describe how the State plans to utilize the funds allocated under the Trust. The primary goal of the Trust and Plan is to offset the excess emissions associated with the affected VW vehicles registered in New Mexico. The LDEVSE Program will have access to 15% (approximately $2.7 million) of the State's allocation under the Trust to assist in lowering NO_X emissions through deployment of light-duty electric vehicle supply equipment.

The submission of an application does not constitute an award. NMED reserves the right to accept, reject, or negotiate any or all applications received, and the terms therein. The final decision to award funds will be determined by NMED and the VW Trust Steering Committee.

Please read this guide carefully prior to applying for funding through the LDEVSE Program.

Projects are subject to ALL terms of the Trust

Funds from the Trust shall not be used for:

- Purchase or rent of real estate;
- Other capital costs (e.g., construction of buildings, parking facilities, etc.); or
- General maintenance, other than maintenance of actual electric vehicle supply equipment.

Other Requirements:

By submitting this application, the applicant agrees to the following conditions in addition to the terms of the Trust, to receive any potential funding from the LDEVSE Program. Applicants must:

- Install the LDEVSE within New Mexico.
- Meet the requirements of the New Mexico Procurement Code of Regulations, as applicable.
- Provide matching funds for the project as specified by the terms of Appendix D-2 of the Trust with a cap of $20,000 per dual port level-II charging station and up to 75% of eligible costs for a DC fast-charging station. The amount of match offered by the applicant greater than that required by the Trust will be considered in the review process.
- Maintain compliance with all state and federal regulations for contracting, auditing and payments. All contractors must be licensed to work in the State of New Mexico and maintain appropriate types and levels of insurance coverage.
- Charging stations must be purchased, and not leased or financed, to be eligible for funding.
- Applicants must either have title ownership of the site or facility where the proposed charging station(s) will be installed, or provide written approval for charging station installation from the title owner of the site. We request that all Home Owners Association (HOA) applicants include a formal resolution or letter of intent from the HOA Board with their application.
- The station(s) must have dedicated parking for EV use only.
- For multi-family residences, the charging stations must be commonly accessible and not dedicated to individual units.

- All charging stations must be certified by Underwriters Laboratories, ETL Listed or an equivalent certification and must have a minimum one-year warranty. Units must be compliant with the current version of the National Electrical Code (NEC) Article 625.
- Applicants must follow independently published recommendations on the installation of charging stations in compliance with the Americans with Disabilities Act (ADA). For more information about the ADA and charging stations, please see the U.S. Department of Energy's Guidance Document.
- Applicants must work with NMED to share data on overall energy consumption and interval data for the operational life of the station(s).
- Complete construction of the electric charging station within 2 years after execution of the Project Agreement.
- Allow routine audits of the project while under construction.
- Submit a final report consistent with the terms and conditions of the award. Specific details will be provided in the Project Agreement.
- Submit required documentation as requested from NMED for review and approval, prior to NMED's submittal of a reimbursement request to the Trustee for the agreed upon amount after completion of the project.
- Maintain charging station operability and public accessibility for at least 10 years after completion of construction. This includes maintaining compliance with local, state and federal laws including, but not limited to, safety, accessibility and point-of-sale.

Application Review and Selection Process

NMED will conduct a comprehensive review of the program applications and supporting documentation. NMED will not be responsible for an application that is rejected due to incomplete or inaccurate information. All complete applications will be evaluated and scored by a panel of air quality experts using the criteria listed below. Qualifying applications will be sent to the VW Trust Steering Committee for final selection.

Application Evaluation Criteria

The following criteria will be evaluated during the application selection process:

- Site Description and Project Feasibility
- Technical Requirements
- Community Impact
- Project Costs, Financial Structure and Budget

Valued Site Attributes

The following charging site attributes will be highly valued during the application selection process:

- Within 1.0 mile of a major highway, U.S. Route or state road in a rural area
- Points of access
- 24-hour access
- Sight lighting
- Cellular service coverage for major carriers
- Point-of-sale availability at or near the charging station, to include card readers
- Proximity to shopping, dining, or entertainment
- Potential for expansion

General Program Award and Project Agreement Conditions

1. Applicants selected for funding will receive a Notice of Selection letter from NMED Cabinet Secretary, or the Cabinet Secretary's designee, addressed to the contact person specified in the application.
2. Awardees will be assigned an NMED project advisor.
3. Projects selected by NMED and the Steering Committee will be forwarded to the Trustee. The Trustee approves funding requests that meet the requirements of the Trust.
4. Projects may begin after a Project Agreement has been fully executed.
5. The project must be completed as described in the application and Project Agreement.
6. Awardees will be reimbursed ***after*** the project has been fully executed, and ***only*** for costs expended by the awardee and approved by NMED and the Trustee. All invoices must be accompanied by documentation demonstrating that the invoices have been paid by the awardee.

The LDEVSE Program is a competitive program. An application may fail to receive funding or may be deemed unacceptable due to application inadequacies or receipt of more qualified applications. NMED will notify applicants in writing whether funding has been approved for the current application cycle. NMED is not obligated to provide detailed explanations why specific projects do not receive funding. The LDEVSE Program applications and information provided for approved projects are public documents and are subject to disclosure to the public upon request as required by applicable state and federal laws.

For more information about the VW settlement, visit our website or contact Robert Spillers at (505) 476-4324 or robert.spillers@state.nm.us. The funding requirements of the Trust may be found under Appendix D-2 of the VW Settlement.

Submittal Instructions and Requirements

Only complete applications submitted by the deadline will be considered. One original hard copy and one electronic copy, either on a CD or via email to Kerwin Singleton at kerwin.singleton@state.nm.us, must be received by NMED no later than 5:00 pm on November 15, 2019. Applications received after this time will not be accepted for any reason, and postmark dates will not be taken into consideration. A submission of an application does not guarantee funding and incomplete applications may not be considered. NMED may request additional project information at its discretion. Applications should include all required documentation and be mailed, or hand delivered to:

Kerwin Singleton
Planning Section Chief, Air Quality Bureau
New Mexico Environment Department
525 Camino de los Marquez, Suite 1
Santa Fe, NM 87505

PROJECT APPLICATION

For each application, applicants must complete each of the following requirements. By checking the following, the applicant is acknowledging that these requirements have been met:

☒ All required supporting documents, including maps, site plans, plot diagrams and renderings, and documents from utilities have been included as Appendices to this application.
☒ This application meets the requirements of the New Mexico Procurement Code of Regulations, as applicable.
☒ This application meets all requirements of the Trust, specifically those in Appendix D-2.

A. Project Description

Participant Information

Business or Organization Name (As shown on income tax return): Santa Fe County		Tax ID#: 85-6000073	
Mailing Address: PO Box 276	City: Santa Fe	State: NM	Zip: 87504-0276
Contact Name: Erik Aaboe	Contact Title: Compliance Coordinator		
Contact Phone Number: 505-986-6209	Contact Email Address: eaaboe@santafecountynm.gov		
Project Title: Solana Center Dual Level 2			

Site Description and Project Feasibility

Address/Location of the proposed charging site: 949 West Alameda, Santa Fe NM 87501	
Latitude (deg., min., sec.): 35d 41m 19s	Longitude (deg., min., sec.): -105d 57m 34s
Is the address located on a government-owned property? ☒ Yes ☐ No	

Please provide a brief summary of the project you are submitting.

This project is to provide a dual port, publicly accessible, level 2 charging facility at a County-owned property located immediately adjacent to dining, shopping and other amenities in a small shopping mall within 0.3 mile of US Highway 84 / 285 in Santa Fe, NM. The charging facility would be open to the public 24 hours per day, seven days a week and would be connected to the ChargePoint network with station status and availability available online.

Provide an estimated project timeline. Please describe the major phases of the project including milestones and the estimated completion date of each phase.

The project schedule is estimated as follows – This schedule assumes that NM GSD does NOT issue a Statewide Price Agreement (SPA) for EVSE hardware but that the current Electrical Services SPA remains in effect or is extended.

The projected timeline starts when the Project Agreement is executed by SFC and NMED. This timeline may be adversely affected if critical events fall close to the end of a State & County fiscal year or if vendor delivery timelines greatly increase because of demand.

Project Agreement Executed – Week 0
County Budget established by governing body and approved by NM DFA – Week 12
Design, Equipment and Installation Contracts Procured and Awarded – Week 24
Required Permits Obtained – Week 30
EVSE Ordered and Delivered – Week 30 to Week 36
Installation of EVSE – Week 36 to Week 40
Reimbursement requested from NMED - Week 44
Project closeout and Ribbon Cutting – Week 48

Describe why the specific location is suitable for the proposed project including the number of chargers proposed for the site. Include a site rendering, and the location and description of existing electric service to the site. Provide a site plan (Appendix A) for the proposed project.

The proposed site is shown in the aerial image below. This view is of the Solana Center on West Alameda St. in Santa Fe, NM. The Solana Center is a vibrant, neighborhood mall just off a US Highway. The County owns its Human Resources (HR) building on a 1/3-acre lot in the southwest corner of the Solana Center. The staff who currently work in the HR building will be relocating in mid-2020 to other offices closer to downtown. At that time, this building will be re-purposed into a records and storage center. Because of that, more parking spaces will be available during daytime hours. If this grant is awarded, two of these spaces will be dedicated for electric vehicle (EV) charging with signage and striping.

Electrical service to the site is to the HR building's southwest corner. The building's three-phase electrical service is fed from a Utility-owned, pad-mount transformer within 15 feet of the building.

Describe the proposed location of the site using an address or mile marker, the location of the site on your property, including how the site can be accessed and indicate space available for future expansion. Provide a map (Appendix B) of the proposed site with all major roadways included, a map that identifies existing charging stations within a 75-mile radius around the proposed location, and a map showing any eating establishments, shopping or other entertainment within a 1-mile radius around the proposed location.

The site of this charging station is at 949 West Alameda St, 0.3 mile from US Highway 84 / 285 at a County-owned property in the Solana Center Shopping Mall. The Average Annual Daily Traffic along US 84/285 is between 15,000 and 24,999 vehicles, according to the 2017 NMDOT AADT Traffic Flow maps. The site would be open to the public 24 hours per day, seven days a week. Located in a neighborhood shopping mall, the facility is immediately adjacent to a laundromat, three restaurants, a grocery store, coffee shop, fitness studio, health clinic, County government offices and other businesses.

The aerial photo from Google Maps above shows the overview of the Solana Center Mall and the County's Human Resources building in the southwest corner of the mall. If granted this award, the County would install the dual-port charging station on the north side of the building so that users of the charging station would be able to take advantage of the commercial establishments of the mall while charging. Note that in addition to the above described tenants of the Solana Center mall, there are close to 200 commercial establishments within a 1-mile radius of the proposed charging station

location (see map in Appendix). This aerial image above shows the amenities immediately available within 500 feet of the site.

Also note that the site is adjacent to the Santa Fe River Trail along the Santa Fe River. This location would encourage a facility user to walk downtown or along the river while charging. A ballfield, tennis courts and park are 1,500 feet southwest of the proposed site.

The location on the north side of the building currently has six parking spaces. If the usage of this charging station warrants that additional capacity would be needed, another dual-port charging station could be added to the site at a later time. The charging station will be configured to allow for occasional charging of electric vehicles of the Santa Fe County fleet, in addition to public access. The County has other charging stations at different locations, this additional capacity would be supplementary and occasional fleet charging would boost utilization of this charging station.

Describe whether the site has existing electrical service, and what upgrades or installations may be needed. Attach documentation (Appendix C) from your local utility including the name of the utility's representative.

The site operates as the Human Resources Office of Santa Fe County. The facility has electrical service from the Public Service Company of New Mexico with account # 116006150-0412837. The service is under rate class 2A, Small Power Service. For the proposed two port level 2 charging station, no upgrades to the electrical service are needed. The utility representative is Alaric Babej, PNM Project Manager in Product Development. The charging station electrical installation will not require expansion of the service panel and will instead require running of the two new circuits.

Identify all necessary permits or other approvals required for the project:

Permit/Agreement Description*	Not Required	Required
Environmental	☒	☐
Environmental Impact	☒	☐
Electrical	☐	☒
Structural/Building	☐	☒
Zoning/Land Use	☒	☐
Cultural/Historical Impact	☒	☐
City Council/Board Approvals	☐	☒
Other (list)_____	☐	☐

*You and your contractor may need valid permits for certain activities.

B. Technical Requirements

Provide details of the type of equipment you plan to install for EV chargers below:

EV Supply Equipment	Charger Power Output (kW)	Charging Technology	Number of Chargers	Expandable for Increased Power?
Multiport Level II*	7.2 kW	☐ CHAdeMo ☒ SAE J1722	1 dual port	N/A

Multi-Port DC Fast Charger		☐ CHAdeMo ☐ SAE Combo		☐ Yes ☐ No
Other-		☐ CHAdeMo ☐ SAE Combo		☐ Yes ☐ No
Open Standard Protocol				☒ Yes ☐ No
Networked				☒ Yes ☐ No
ENERGY STAR Certified Level II Electric Vehicle (EV) Charging Stations**				☒ Yes ☐ No

Provide additional details, if necessary. Include equipment specification documentation (Appendix D). ChargePoint's CT4000 full motion color LCD display instructs drivers and supports dynamic updates of custom branded videos and advertisements. The CT4000 is the first ENERGY STAR® certified EV charger because it charges efficiently and conserves power when not charging. As an ENERGY STAR certified EV charger, the CT4000 uses significantly less energy than a standard EV charger when in standby mode to help save money on your utility bill. The CT4000 model specified offers two standard SAE J1772™ Level 2 charging ports with locking holsters, each port supplying up to 7.2kW. With this standard connector, ChargePoint level 2 stations can charge any EV. An 8' tall bollard configurations with two 23' cords will be specified. With this option for size and cord reach, the station can service up to four parking spaces, reach all car models regardless of parking style or car sizes and increase the usability of EV spots. The ChargePoint mobile app and in-dash systems tie everything together: drivers can locate stations, get in line to charge at busy stations, instantly start charging, see their charging status and track their activity over time. Built-in cellular networking enables remote management of the station, while ChargePoint Cloud Services make it simple for station owners to customize charging stations to meet their specific requirements. All stations are fully software upgradeable remotely over the air.

* SAE J1772/6.2 kW connector.

** Information on ENERGY STAR certified equipment can be found at: www.energystar.gov/products/other/evse.

Describe the point of sale equipment to be installed at or near the EV charging station.

The point of sale interface is installed on the face of the ChargePoint CT4000 and is integral to the device. ChargePoint's equipment accepts multiple forms of payment including RFID card, Apple Pay, Android Pay, payment through ChargePoint's mobile app, contactless credit cards, and payment over the phone via ChargePoint's 1-800 number posted on the station where a live representative can be reached 24/7/365. ChargePoint also has roaming agreements with other major EV charging networks which enables drivers to roam between charging networks using a single account.

How does your organization plan to maintain the charging station(s)? Please detail any maintenance plans your organization has for the charging station(s).

Santa Fe County has a well-staffed maintenance division in its Public Works Department who will be responsible for general site upkeep and maintenance. There are two licensed electricians on staff. In addition, with this acquisition, the County will be purchasing 2 years of ChargePoint Assure from the vendor. This is a comprehensive EV station maintenance and management program. Assure covers everything needed to keep ChargePoint electric vehicle (EV) charging stations up and running. The equipment vendor takes responsibility for fixing hardware issues by providing parts, labor and orchestration of repairs by expert support specialists. Proactive monitoring, regular reports and unlimited changes to station policies (rates, grace-periods, etc.) are included, as well as one business day response to requests and a 98% annual uptime guarantee.

C. Community Impact

Site Specific Attributes

Provide information on existing or planned site-specific attributes of your project, including the following: proximity to a major highway, U.S. Route or state road, points of access, 24-hour service, site lighting, ADA accessibility, cellular service for major carriers, point-of-sale availability, proximity to shopping, dining, and entertainment, and the potential for expansion.

- The location is within a third of a mile to US Highway 84/285, within two miles of US Highway 599 and five miles of I-25. It will offer drivers an easily accessible charging station location.
- The site shares a parking lot with the Solana Center Mall with a number of shopping and dining opportunities.
- The site will be available 24 hours per day, 7 days per week, 365 days per year.
- A city-maintained streetlight is at the entrance to the mall parking lot. In addition to parking lot lighting, the north side of the building is served by an exterior lighting fixture. As a part of the project, that fixture will be upgraded to a brighter LED wall pack fixture and an additional LED wall pack will be added directly above the charging station.
- Cellular service at the site is good at a 4 to 5 bar level.
- The charging station that is to be ordered has an integral point-of sale interface as described above.
- The building's electrical service would be able to accommodate the installation of another charging station in the future, if the usage of this dual-port station warrants it.

Using EPA's EJSCREEN, provide information specific to the population within a five-mile radius of the proposed project.

See attached EJSCREEN report for 5-mile radius from 949 West Alameda St., Santa Fe, NM

Is your organization planning to charge parking/charging fees for users? ☒ Yes ☐ No
If "Yes", describe the proposed fee/rate structure for the use of the EV chargers and whether demand charge relief will be provided.

The County intends to assess a nominal cost to the users of the charging station. Until a new rate schedule is established by the utility to comply with the requirements of NM House Bill 521, the rate will be set at $1.00 per hour of use and $2.00 per hour of non-charging use with a 30-minute grace

period. This rate structure will encourage users to make the charger available for others when their vehicle is done charging. This rate equates to approximately $0.15 per kWh delivered. The current rate schedule for the building, the energy cost set by the utility, is currently $0.091 per kWh ($0.114 in June, July & August). The facility's electrical account is not assessed a demand charge. A dual port Level 2 station will not necessitate a change to the utility rate schedule for the site.

Santa Fe County is not interested in using this charging station for significant revenue generation. In order to further its sustainability goals, the County hopes to promote more widespread adoption of electric vehicles and will be installing the station toward that end. Once PNM establishes a new rate schedule for EV charging, Santa Fe County may modify its cost structure to assess a fee for the energy actually delivered. Assessing a fee that covers the County's cost for electrical energy or for the time that a vehicle is connected will ensure that the service does not run afoul of the anti-donation clause in the NM Constitution (Article IX, Section 14) and will also discourage any local EV owners from frequently tying up a charging bay so as to sponge free energy.

Have you engaged stakeholders in the vicinity of the proposed location to determine their interest in the proposed project? If so, describe below.

Santa Fe County owns two of the buildings in the Solana Center. The remainder of the buildings are occupied by tenant businesses. The County reached out to the neighboring business owners and employees to gauge interest in the project. Attached is a letter of support signed by eleven of the business owners, managers, and employees. Not all of the businesses are represented on this letter of support, but none of the business owners or employees that were contacted objected to the project in any way, some employees just did not feel comfortable signing.

D. Project Budget and Costs

Financial Structure

Describe the financial structure of the project. Include who will fund and assume ownership of the project; receive any financial benefits; pay for maintenance and repair; and the duration of the commitment to fund maintenance and repairs.

The charging equipment will be owned and operated by Santa Fe County. Santa Fe County will pay for the acquisition and installation of the station before requesting reimbursement from the VW Settlement Program. Santa Fe County will operate and maintain the installed equipment. The County will commit to maintain and repair the station and its installed equipment for at least ten years.

Eligible Project Costs[1]

Provide an estimated budget for equipment, installation, and other cost categories listed below. This does not indicate that funding will be provided for all costs listed and funding must be consistent with the terms of the Trust, including cost sharing requirements.

LDEVSE Project Component	Cost	Line Item Description
Charger(s)	$11,780	CT400 Dual Port Bollard Mount Unit with Cord Management, mounting kit, activation, station

		validation, 1 year of cloud support, 1 year warranty
Electrical System Upgrades	$0	None required
Other Components (Please list)	$4,150	Project management -$2,400 (40 hrs @ $30/hour) Signage - $750 Publicity/ ribbon cutting - $1,000
Labor Installation Costs	$7,325	Labor Installation Costs, electrical interconnection
Permitting Fees, if applicable (Please itemize)	$157	Electrical Permit
Other Cost (Please itemize)	$4,865	ADA accessible concrete pad, LED lighting upgrade, signage.
Total Estimated Project Costs	$28,277	
Match Funding by Applicant	$8,277	
Total Funding Request to Trust[2]	$20,000	

[1] Level-II dual port charging stations have a funding cap of $20,000 per station, and DC fast chargers have a funding cap of 75%. Any amount greater than the cap can be included in the matching funding by applicant.
[2] The total funding request is the total project cost minus the match funding.

E. Additional Relevant Information

Please attach any additional relevant information such as:

- Additional information that will assist the Evaluation Committee's understanding of the proposed project.
- Additional documents that help support your application.

If you are attaching documents, please include a description of the documents attached.

APPENDIX A
1. Charging Station Site Plan
2. Charging Station Site Aerial Photo (to better identify existing conditions)

APPENDIX B
3. Map of Electric Vehicle Charging Stations within 75 miles (data from USDOE's Alternative Fuels Data Center)
4. Map of US Highways and Interstates within 1, 3 and 5 miles
5. Map of Clothing, Entertainment, Food & Restaurant and Other Businesses within 1 mile (data from ESRI Community Analyst)

APPENDIX C
6. PNM documentation of electrical service capacity

APPENDIX D
7. ChargePoint CT4000 data sheet
8. ChargePoint CT4000 Energy STAR certification sheet

ADDITIONAL INFORMATION
9. EJ Screen Report for 949 W. Alameda
10. Letter of support from Solana Center Mall businesses

F. Signature and Certification

I, Katherine Miller, hereby certify that the information and data submitted in this application are true and accurate as possible, to the best of my knowledge.

Katherine Miller
Applicant Printed Name

County Manager
Title

Katherine Miller
Applicant Signature

11 · 6 · 2019
Date

Approved as to form
Santa Fe County Attorney
By:
Date: 11/4/19

Appendix A - Site Plan

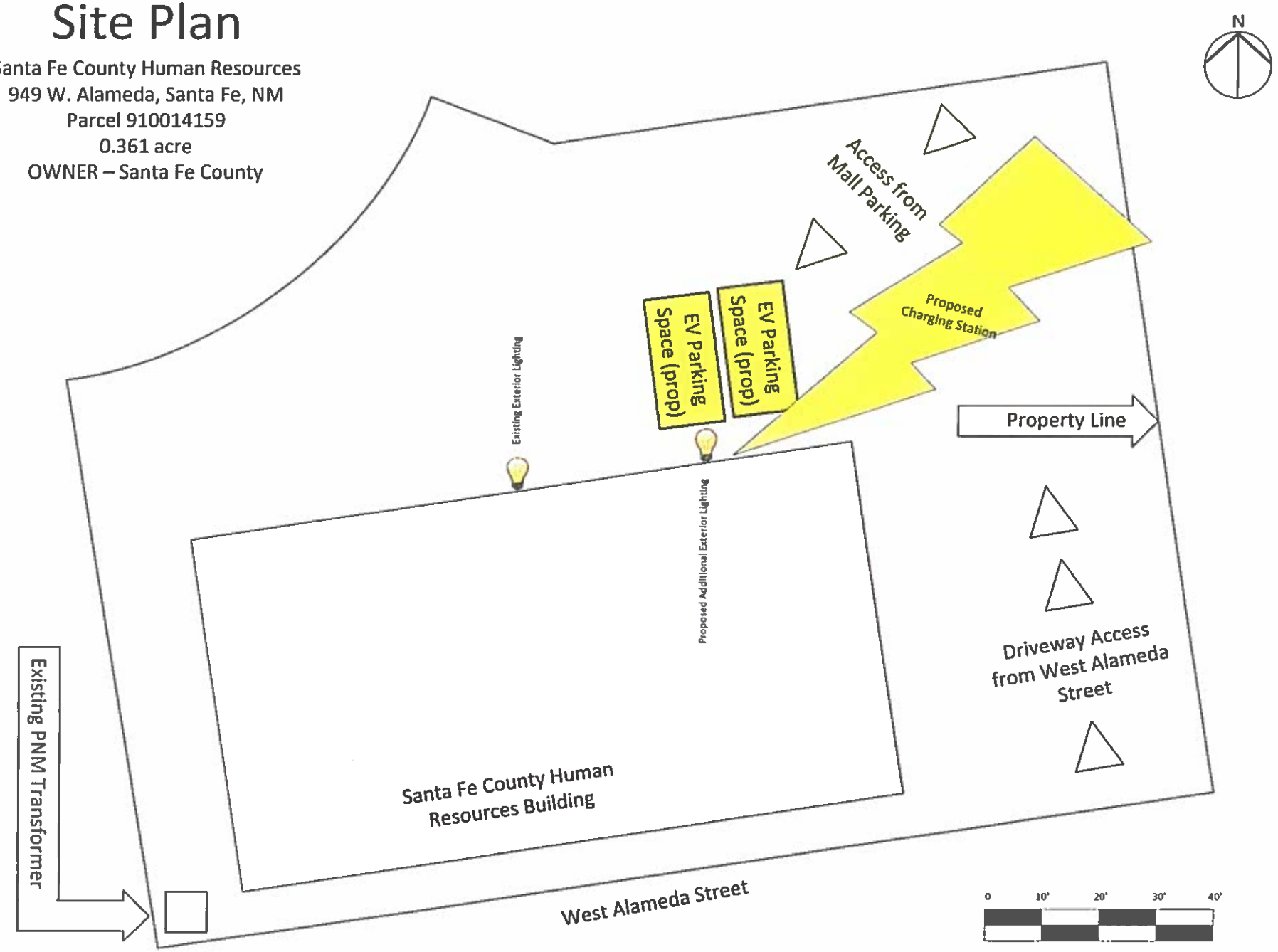
Site plans, at a minimum, must include:

- Scale
- Arrow indicating north
- Official property address, street names, lot dimensions, to include area in square feet or acreage
- Location of existing and proposed utilities
- Location of proposed charging units
- Location of lighting, pre-existing structures, driveways, etc. labeled as ""existing""; all proposed development labeled as "proposed"
- ID property ownership, zone/government/public property
- Setbacks from structures and appurtenances

Note that an aerial photo from Google Maps is also included in this appendix to better document the existing conditions.

Site Plan

Santa Fe County Human Resources
949 W. Alameda, Santa Fe, NM
Parcel 910014159
0.361 acre
OWNER – Santa Fe County



Appendix B – Roadway, Area and Vicinity Maps

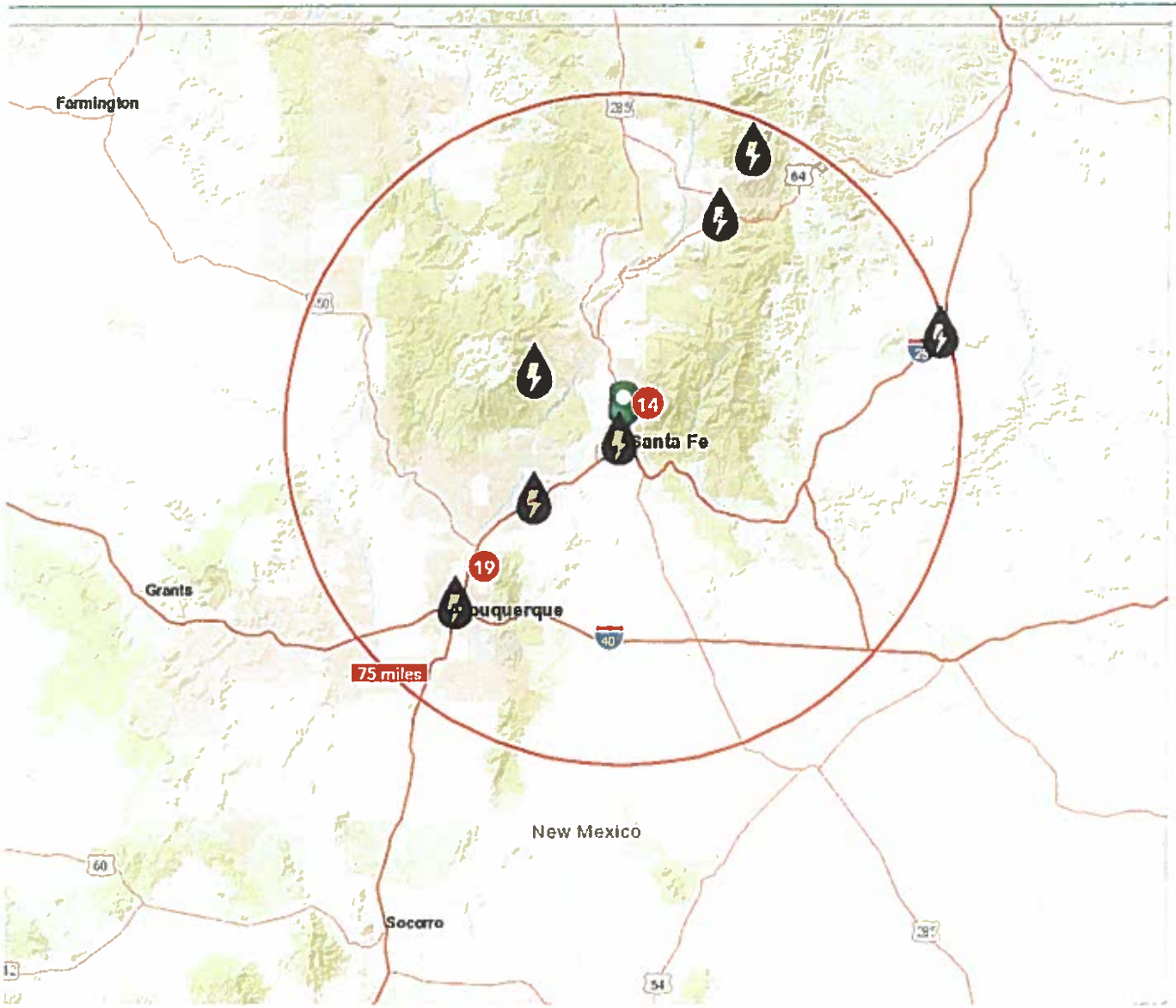
Minimum requirements for maps must include:

- A map with a 75-mile radius of the proposed site location indicating the location of any existing or proposed charging stations
- A map with the locations and distances from any interstate, U.S., or state highways
- A map with a 1-mile radius indicating any eating establishments, shopping or other entertainment
- Other maps that provide additional information as it pertains to the project site

NMED has provided the links below; however, providing these links does not attest to the accuracy of EV charging stations locations, nor does it represent an endorsement of any particular website. It is the responsibility of the applicant to identify existing EV charging stations within a 75-mile radius of the proposed project location.

PlugShare - https://www.plugshare.com/
ChargeHub - https://chargehub.com/en/charging-stations-map.html
Alternative Fuels Data Center -
https://afdc.energy.gov/fuels/electricity_locations.html#/find/nearest?fuel=ELEC

Note that data for Clothing, Entertainment, Food & Restaurant and Other Establishments Map is from ESRI Community Analyst v. 7.3 with data updated April 2019. NAICS codes for the following establishments were queried - retail clothing, entertainment, food & restaurants, personal care, shopping, sporting goods, computer & equipment dealers, electronic retailing and video games.

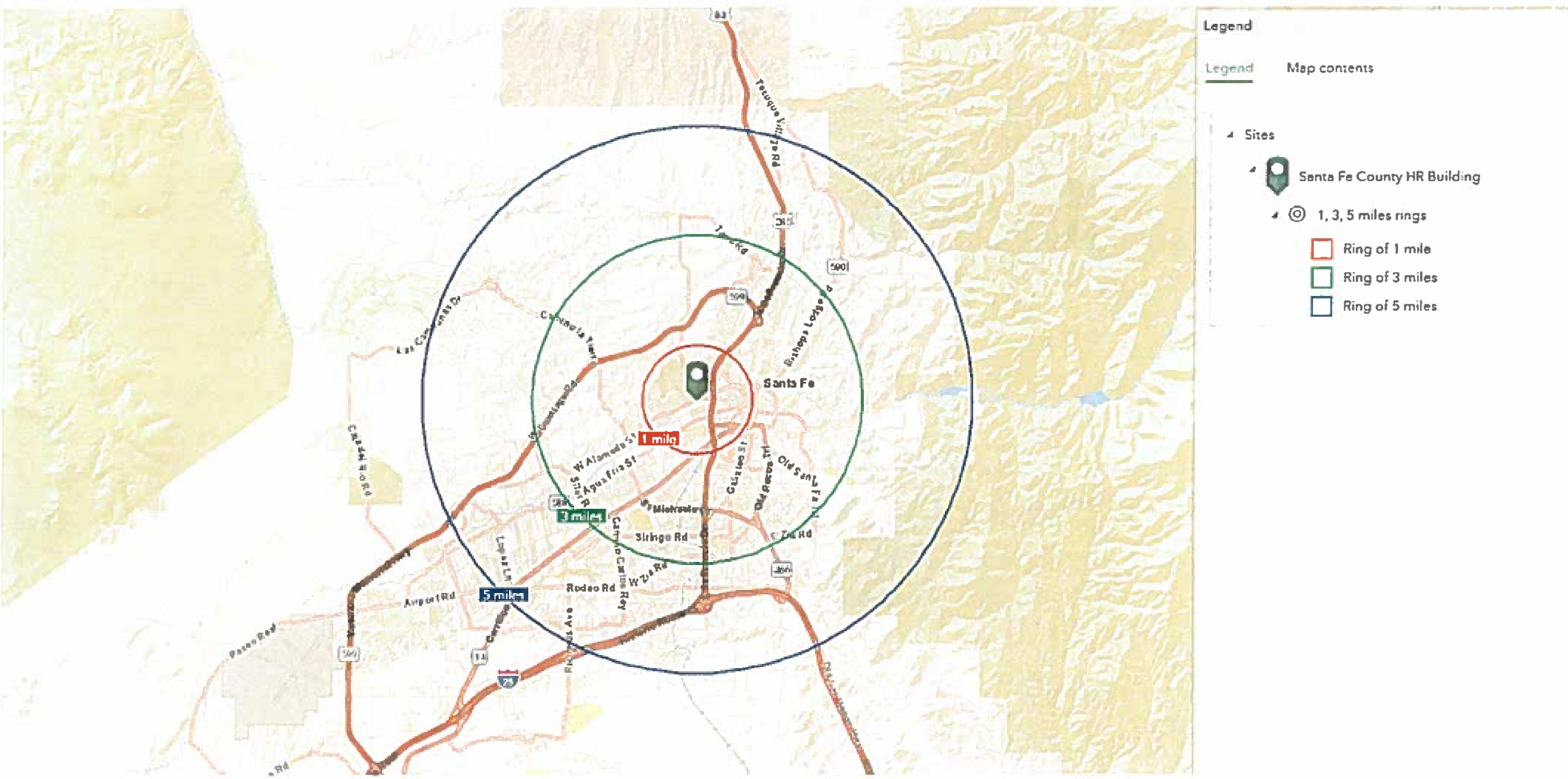


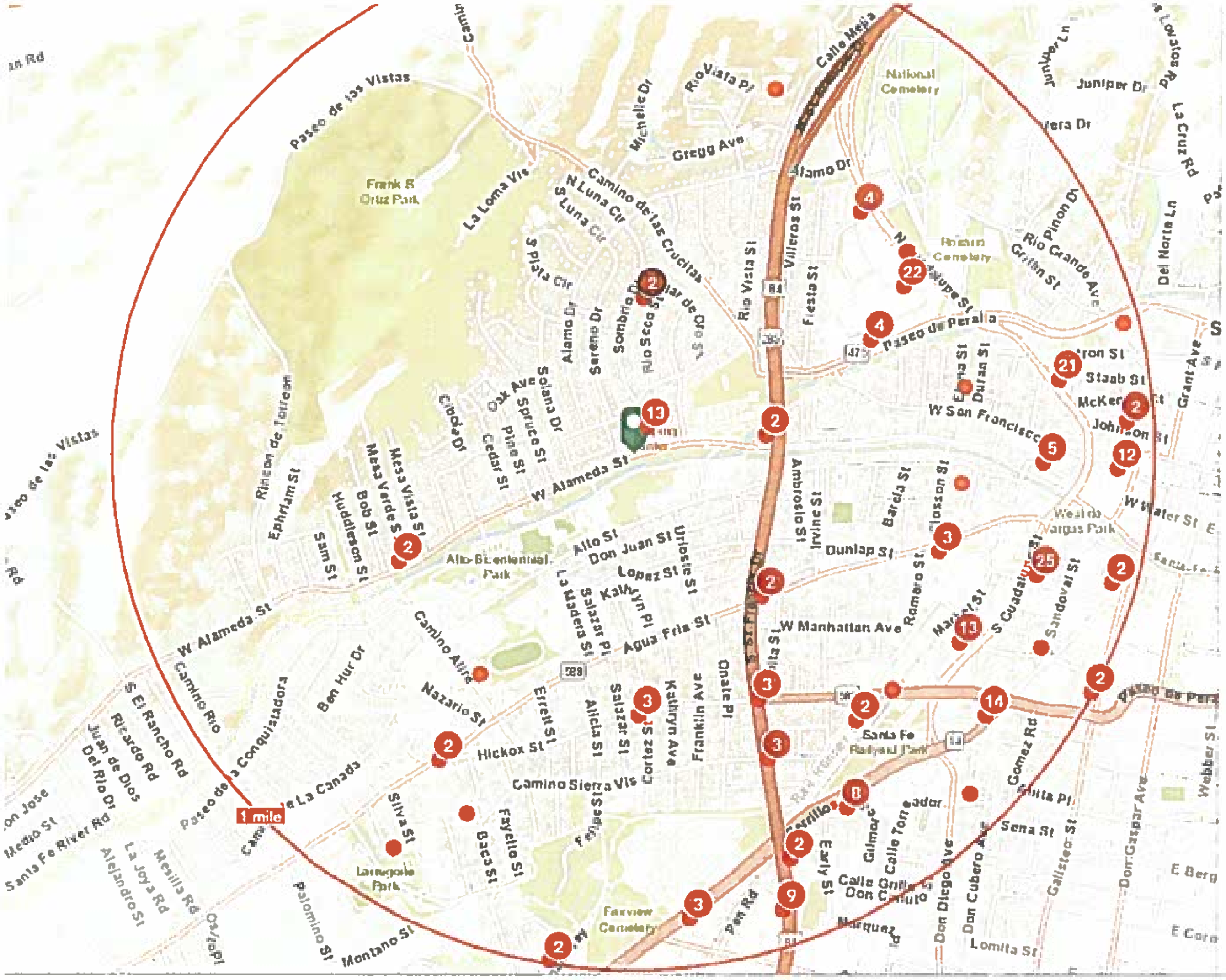
Legend

Legend | Map contents

- Electric Charging Stations in Santa Fe County
  - Cluster Point
  - Number of Charging Stations in Cluster Point
- Sites
  - Santa Fe County HR Building
    - 75 miles ring

Data provided by The U.S. Department of Energy's Alternative Fuels Data Center


Legend
Legend
Map contents
Sites
Santa Fe County HR Building
1, 3, 5 miles rings
Ring of 1 mile
Ring of 3 miles
Ring of 5 miles
1 mile
3 miles
5 miles
Santa Fe
Airport Rd
Rodeo Rd
Siringo Rd
W Alameda St
Agua Fria St
Galisteo St
Old Pecos Trl
Bishops Lodge Rd
Camino Carlos Rey
Cerrillos
Las Campanas Dr
Paseo Real
Tesuque Village Rd
Caja del Oro Rd



Legend

Legend | Map contents

- Clothing, Entertainment, Food & Restaurants and Other Establishments
  - Cluster Point
  - Number of Establishments in Cluster Point
- Sites
  - Santa Fe County HR Building
  - 1 mile ring
    - Ring of 1 mile

Close

Appendix C - Supporting Documentation from the Local Electric Utility

These documents shall include the following:

- Documents providing the rate structure, including any demand charge relief
- Map with location of utilities that service the location
- Documents outlining any upgrades needed for the site location
- Estimated costs for providing services to the site location
- Utility representative's contact information

Volkswagen Settlement 2019

Appendix C – Supporting Documentation from the Local Electric Utility

Customer: Santa Fe County

Location: 949 West Alameda, Santa Fe, NM 87501

1) Documents providing the rate structure, including any demand charge relief
    a. Customer is currently on Rate 2A – Small Power Service. This service does not have any demand charges associated with the rate. A review of the customer's current consumption has determined that the additional load from the EVSE will not impact the current rate.
    b. See Appendix C – Document 1 for copy of customer bill with rate highlighted
    c. See Appendix C – Document 2 for copy of PNM Rate 2A for full description

2) Map with location of utilities that service the location
    a. The customer is served by a 3-phase 150 kVA pad mounted transformer located on the south-west corner of the property.
    b. 

3) Documents outlining any upgrades needed for the site location
    a. The customer's installer has verified that no service upgrades are needed for the installation of the proposed EVSE at the site location.

4) Estimated costs for providing services to the site location
    a. Not applicable

5) Utility representative's contact information
    a. Alaric J. Babej

Project Manager, Product Development

PNM Headquarters, MS0605

Albuquerque, NM 87102

Office: 505-241-0658

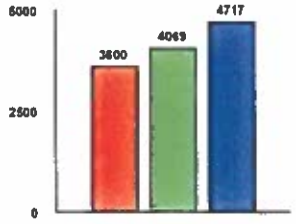
Email: alaric.babej@pnm.com

ACCTS PAYABLE / LORINA

Bill Date	Account Number	Service Address
02-OCT-2019	116006150 - 0412837 -7	949 W ALAMEDA ST # A SANTA FE, NM

Service # 100 Electric
Meter # 1003826
Meter # 0827029

Meter Reading	Meter Read Date	Days Billed	Meter Readings Present		Previous		Meter Constant		kWh Used
Actual	25-SEP-2019	0	0	-	0	X	1.000	=	0.000
Actual	25-SEP-2019	29	45470	-	41870	X	1.000	=	3600.000



GRAPH DISPLAYED IN kWh
Average cost per day was $15.62
Average use per day was 124.13 kWh

Small Power 2A - EN01
kWH and Charges

	04 DAYS	496.552 kWh @ $ 0.1140665	$56.64
kWH and Charges			
	25 DAYS	3,103.448 kWh @ $ 0.0908512	$281.95
Fuel Cost Adjustment:			
Non-Renewable: 86.7% of kWh			
		3,121.200 kWh @ $ 0.0153596	$47.94
Renewable: 13.3% of kWh			
		478.800 kWh @ $ 0.0000000	$0.00
Renewable Energy Rider			
		3,600.000 kWh @ $ 0.0066138	$23.81
Customer Charge			$15.77
Cost-Effective Energy Saving Prog.			$13.78
Franchise Fee			$13.20
TOTAL KWH BILLED ON THIS SERVICE		3,600.000	

Total Current Electric Charges **$453.09**

01712531501

PUBLIC SERVICE COMPANY OF NEW MEXICO
ELECTRIC SERVICES

23RD REVISED RATE NO. 2A
CANCELING 22ND REVISED RATE NO. 2A

SMALL POWER SERVICE

APPLICABILITY: The rates on this Schedule are available for single- and three-phase service for commercial, business, professional, small industrial loads and shared residential wells. Service will be provided under this schedule if at least one of the following two conditions are met: 1) Customer's on-peak kW must be less than an actual 50 kW for at least 10 months during the previous 12 continuous months, or 2) Customer's consumption must be less than an actual 15,000 kWh for at least 10 months during the previous 12 continuous months. All service shall be delivered at a single service location to be designated by the Company. For new customers, the company shall estimate the customer's usage data for the next 12 continuous months to determine the qualification under this rate schedule.

Service will be furnished subject to the Company's Rules and Regulations and any subsequent revisions. These Rules and Regulations are available at the Company's office and are on file with the New Mexico Public Regulation Commission. These Rules and Regulations are a part of this Schedule as if fully written herein.

TERRITORY: All territory served by the Company in New Mexico.

TYPE OF SERVICE: The type of service available under this Schedule will be determined by the Company and will be supplied at a single service location and would normally be one of the following:

(1) 120/240 volt single-phase (overhead up to 85kW or underground up to 140kW), or

(2) 240 volt delta three-phase (overhead only; up to 125 kW), or

(3) Combination of 120/240 volt single-phase and 240 volt delta three-phase (overhead only; combined load not to exceed 75 kW; neither the single-phase nor the three-phase may exceed 50 kW), or

(4) 120/208 volt three-phase grounded Y overhead transformer (up to 50kW),

(5) 120/208 volt three-phase grounded Y from a padmount transformer,

(6) 277/480 volt three-phase grounded Y from a padmount transformer, or

(7) 277/480 volt three-phase from an overhead transformer (up to 125 kW).

Note: 240 volt three-phase service is not available from underground distribution systems.
Refer to the Company's Rules and Regulations for further details pertaining to availability of other voltages and special services. Where service is furnished at different locations, a separate bill will be rendered for each meter location.

Advice Notice No. 553

Mark A. Fenton
Director, Regulatory Policy and Case Management

GCG#525174

PUBLIC SERVICE COMPANY OF NEW MEXICO
ELECTRIC SERVICES

23RD REVISED RATE NO. 2A
CANCELING 22ND REVISED RATE NO. 2A

SMALL POWER SERVICE

For each service location the Company reserves the right to use either a single combination meter or separate single- and three-phase meters in which event the meter readings will be added arithmetically and a single bill under the above rates will be rendered to the customer.

Three-phase service will be supplied only on a 12-month continuous and nonseasonal basis.

Metering will normally be done at the secondary voltage. The Company reserves the right to meter in the most practical manner, either primary or secondary voltage.

NET RATE PER MONTH OR PART THEREOF FOR EACH SERVICE LOCATION: The rate for electric service provided shall be the sum of A, B, C, D, E, and F:

IN THE BILLING MONTHS OF:	June, July and August	All Other Months	
(A) CUSTOMER CHARGE: (Per Metered Account)	$15.77/Bill	$15.77/Bill	x
(B) ENERGY CHARGE:	$0.1140665/kWh	$0.0908512/kWh	x

(C) ADDITIONAL TRANSFORMER CAPACITY: Customers in this category may be given the option of installing separate metering and wiring to serve the fluctuating or intermittent load where it is used regularly in their business. Necessary transformer capacity will be provided by PNM for this service. In the event a separate service or transformer installation or additional transformer capacity is required for fluctuating loads, such service, unless otherwise provided for in the rate schedules will be metered and billed separately; the minimum charge will be on a 12-month basis at the rate of $1.50 per month per kVA of capacity required, but not less than $10 per month. The Customer's wiring to such equipment causing the need for additional transformer capacity shall be installed in a continuous length of rigid conduit or Company-approved cable.

(D) FUEL AND PURCHASED POWER COST ADJUSTMENT: All kWh usage under this tariff will be subject to the Fuel and Purchase Power Cost Adjustment Clause ("FPPCAC") factors calculated according to the provisions in PNM's Rider 23.

The appropriate FPPCAC factors will be applied to all kWh appearing on bills rendered under this tariff.

(E) OTHER APPLICABLE RIDERS: Any other PNM riders that apply to this tariff shall be billed in accordance with the terms of those riders.

Advice Notice No. 553

Mark A. Fenton
Director, Regulatory Policy and Case Management

GCG#525174

EFFECTIVE

JAN - 1 2019

REPLACED BY NMPRC
BY Comm. Orders Case# 16-00276-UT

PUBLIC SERVICE COMPANY OF NEW MEXICO
ELECTRIC SERVICES

23RD REVISED RATE NO. 2A
CANCELING 22ND REVISED RATE NO. 2A

SMALL POWER SERVICE

(F) SPECIAL TAX AND ASSESSMENT ADJUSTMENT: Billings under this Schedule may be increased by an amount equal to the sum of the taxes payable under the Gross Receipts and Compensating Tax Act and of all other taxes, fees, or charges (exclusive of ad valorem, state and federal income taxes) payable by the utility and levied or assessed by any governmental authority on the public utility service rendered, or on the right or privilege of rendering the service, or on any object or event incidental to the rendition of the service.

MONTHLY MINIMUM CHARGE: The monthly minimum charge under this Schedule is the customer charge and additional transformer capacity charge if applicable.

INTERRUPTION OF SERVICE: The Company will use reasonable diligence to furnish a regular and uninterrupted supply of energy. However, interruptions or partial interruptions may occur or service may be curtailed, become irregular, or fail as a result of circumstances beyond the control of the Company, public enemies, accidents, strikes, legal processes, governmental restrictions, fuel shortages, breakdown or damages to generation, transmission, or distribution facilities of the Company, repairs or changes in the Company's generation, transmission, or distribution facilities, and in any such case the Company will not be liable in damages. Customers whose reliability requirements exceed those normally provided should advise the Company and contract for additional facilities and increased reliability as may be required. The Company will not, under any circumstances, contract to provide 100 percent reliability.

ACCESSIBILITY: Equipment used to provide electric service must be physically accessible. The meter socket must be installed on each service location at a point accessible from a public right-of-way without any intervening wall, fence or other obstruction.

TERMS OF PAYMENT: All bills are net and payable within twenty (20) days from the date of bill. If payment for any or all electric service rendered is not made within thirty (30) days from the date the bill is rendered, the Company shall apply an additional late payment charge as defined in Rate 16 Special Charges.

LIMITATION OF RATE: Electric service under this Schedule is not available for standby service, shall not be resold, or shared with others. Should the customer's consumption or demand exceed 15;000 kWh or 50 kW per month, respectively, for any three months in a previous continuous 12-month period, the service will be transferred to the General Power Rate, Schedules 3B or 3C. The Company reserves the right to install metering equipment to determine whether this paragraph applies.

Advice Notice No. 553

Mark A. Fenton
Director, Regulatory Policy and Case Management

GCG#525174

EFFECTIVE
JAN - 1 2019
REPLACED BY NMPRC
BY Comm. Orders Case # 16-00276-UT

Appendix D – Equipment Specifications

chargepoint

CT4000 Level 2 Commercial Charging Station

Specifications and Ordering Information

Ordering Information

Specify model number followed by the applicable code(s). The order code sequence is: **Model-Options. Software, Services** and **Misc** are ordered as separate line items.

Hardware

Description		Order Code
Model	1830 mm (6') Single Port Bollard Mount	CT4011
	1830 mm (6') Dual Port Bollard Mount	CT4021
	1830 mm (6') Single Port Wall Mount	CT4013
	1830 mm (6') Dual Port Wall Mount	CT4023
	2440 mm (8') Dual Port Bollard Mount	CT4025
	2440 mm (8') Dual Port Wall Mount	CT4027
Options	Integral Gateway Modem - USA	-GW1
	Integral Gateway Modem - Canada	-GW2
Misc	Power Management Kit	CT4000-PMGMT
	Bollard Concrete Mounting Kit	CT4001-CCM

Software & Services

Description	Order Code
ChargePoint Commercial Service Plan	CTSW-SAS-COMM-*n*[1]
ChargePoint Service Provider Plan	CTSW-SAS-SP-*n*[1]
ChargePoint Assure	CT4000-ASSURE*n*[2]
Station Activation and Configuration	CPSUPPORT-ACTIVE
ChargePoint Station Installation and Validation	CT4000-INSTALLVALID

Note: All CT4000 stations require a network service plan.

[1] Substitute *n* for desired years of service (1, 2, 3, 4, or 5 years).
[2] Substitute *n* for the duration of the coverage (1, 2, 3, 4, or 5 years).

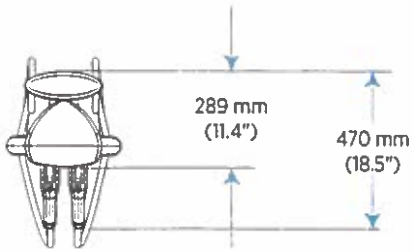
Order Code Examples

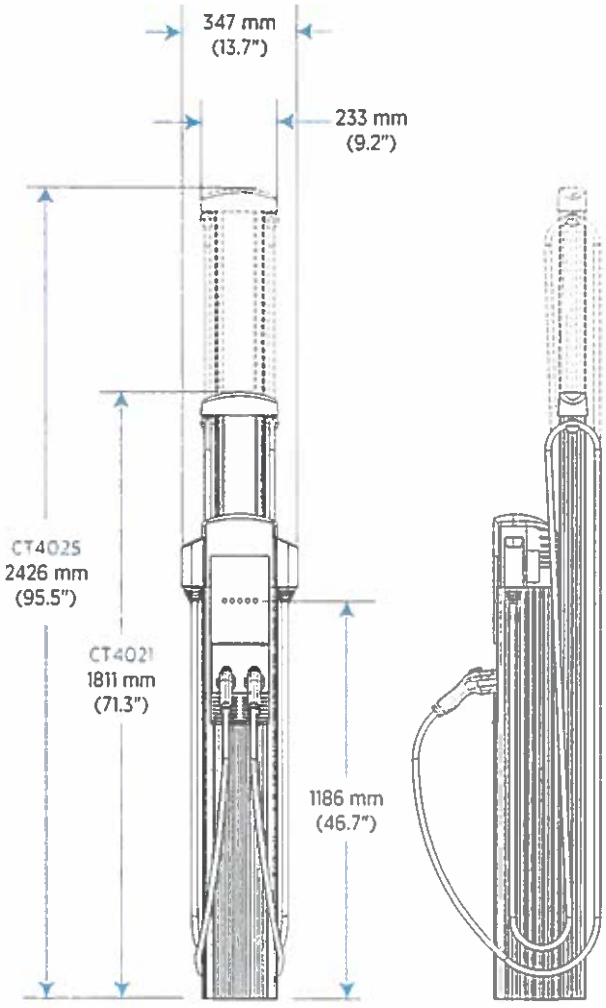
If ordering this	the order code is
1830 mm (6') Dual Port Bollard USA Gateway Station with Concrete Mounting Kit	CT4021-GW1 CT4001-CCM
ChargePoint Commercial Service Plan, 3 Year Subscription	CTSW-SAS-COMM-3
ChargePoint Station Installation and Validation	CT4000-INSTALLVALID
2 Years of Assure Coverage	CT4000-ASSURE2
1830 mm (6') Single Port Wall Mount Station	CT4013
ChargePoint Commercial Service Plan, 5 Year Subscription	CTSW-SAS-COMM-5
4 Years of Assure Coverage	CT4000-ASSURE4
Station Activation and Configuration	CPSUPPORT-ACTIVE

CT4021

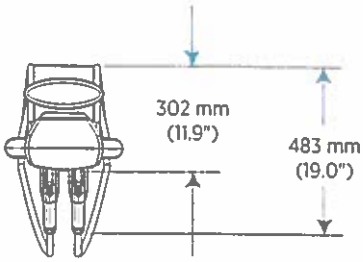
The First ENERGY STAR® Certified EV Charger

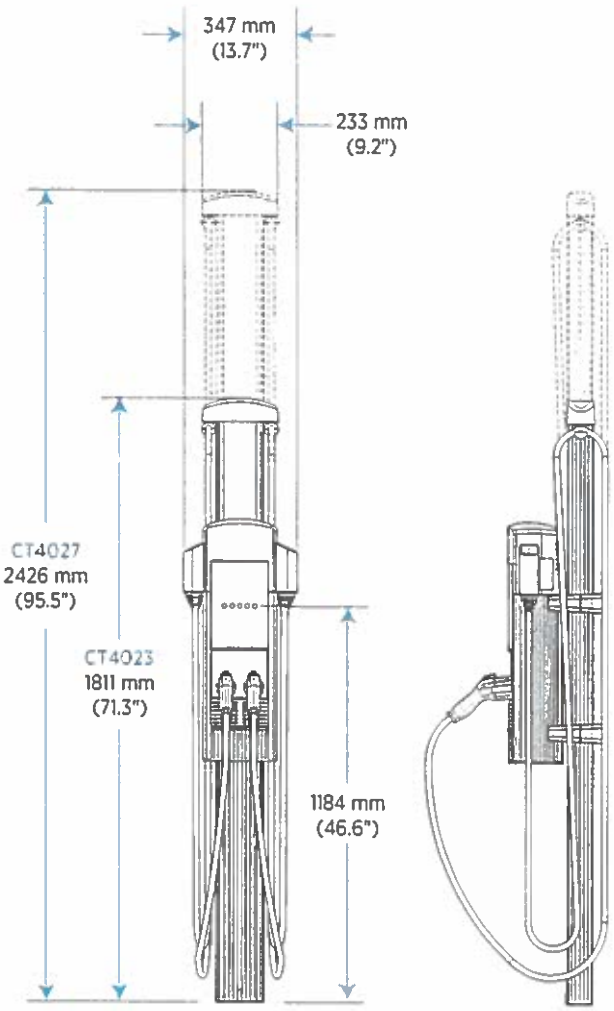
CT4021 1830 mm (6')
CT4025 2440 mm (8')
Bollard





CT4023 1830 mm (6')
CT4027 2440 mm (8')
Wall Mount





CT4000 Family Specifications

Electrical Input

	Single Port (AC Voltage 208/240V AC)			Dual Port (AC Voltage 208/240V AC)		
	Input Current	Input Power Connection	Required Service Panel Breaker	Input Current	Input Power Connection	Required Service Panel Breaker
Standard	30A	One 40A branch circuit	40A dual pole (non-GFCI type)	30A x 2	Two independent 40A branch circuits	40A dual pole (non-GFCI type) x 2
Standard Power Share	n/a	n/a	n/a	32A	One 40A branch circuit	40A dual pole (non-GFCI type)
Power Select 24A	24A	One 30A branch circuit	30A dual pole (non-GFCI type)	24A x 2	Two independent 30A branch circuits	30A dual pole (non-GFCI type) x 2
Power Select 24A Power Share	n/a	n/a	n/a	24A	One 30A branch circuit	30A dual pole (non-GFCI type)
Power Select 16A	16A	One 20A branch circuit	20A dual pole (non-GFCI type)	16A x 2	Two independent 20A branch circuits	20A dual pole (non-GFCI type) x 2
Power Select 16A Power Share	n/a	n/a	n/a	16A	One 20A branch circuit	20A dual pole (non-GFCI type)
Service Panel GFCI	Do not provide external GFCI as it may conflict with internal GFCI (CCID)					
Wiring - Standard	3-wire (L1, L2, Earth)			5-wire (L1, L1, L2, L2, Earth)		
Wiring - Power Share	n/a			3-wire (L1, L2, Earth)		
Station Power	8W typical (standby), 15W maximum (operation)					

Electrical Output

Standard	7.2kW (240V AC @ 30A)	7.2kW (240V AC@30A) x 2
Standard Power Share	n/a	7.2kW (240V AC@30A) x 1 or 3.8kW (240V AC@16A) x 2
Power Select 24A	5.8kW (240V AC@24A)	5.8kW (240V AC@24A) x 2
Power Select 24A Power Share	n/a	5.8kW (240V AC@24A) x 1 or 2.9kW (240V AC@12A) x 2
Power Select 16A	3.8kW (240V AC@16A)	3.8kW (240V AC@16A) x 2
Power Select 24A Power Share	n/a	3.8kW (240V AC@16A) x 1 or 1.9kW (240V AC@8A) x 2

Functional Interfaces

Connector(s) Type	SAE J1772™	SAE J1772™ x 2
Cable Length - 1830 mm (6') Cable Management	5.5 m (18')	5.5 m (18') x 2
Cable Length - 2440 mm (8') Cable Management	n/a	7 m (23')
Overhead Cable Management System	Yes	
LCD Display	145 mm (5.7") full color, 640x480, 30fps full motion video, active matrix, UV protected	
Card Reader	ISO 15693, ISO 14443, NFC	
Locking Holster	Yes	Yes x 2

Safety and Connectivity Features

Ground Fault Detection	20mA CCID with auto retry
Open Safety Ground Detection	Continuously monitors presence of safety (green wire) ground connection
Plug-Out Detection	Power terminated per SAE J1772™ specifications
Power Measurement Accuracy	+/- 2% from 2% to full scale (30A)
Power Report/Store Interval	15 minute, aligned to hour
Local Area Network	2.4 GHz Wi-Fi (802.11 b/g/n)
Wide Area Network	3G GSM, 3G CDMA

Safety and Operational Ratings

Enclosure Rating	Type 3R per UL 50E
Safety Compliance	UL listed for USA and cUL certified for Canada; complies with UL 2594, UL 2231-1, UL 2231-2, and NEC Article 625
Surge Protection	6kV @ 3000A. In geographic areas subject to frequent thunder storms, supplemental surge protection at the service panel is recommended.
EMC Compliance	FCC Part 15 Class A
Operating Temperature	-30°C to +50°C (-22°F to 122°F)
Storage Temperature	-30°C to +60°C (-22°F to 140°F)
Non-Operating Temperature	-40°C to +60°C (-40°F to 140°F)
Operating Humidity	Up to 85% @ +50°C (122°F) non-condensing
Non-Operating Humidity	Up to 95% @ +50°C (122°F) non-condensing
Terminal Block Temperature Rating	105°C (221°F)
Charging Stations per 802.11 Radio Group	Maximum of 10. Each station must be located within 45m (150') "line of sight" of a gateway station.

ChargePoint, Inc. reserves the right to alter product offerings and specifications at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document.

Contact Us

Visit chargepoint.com

Call +1.408.705.1992

Email sales@chargepoint.com

chargepoint+

ChargePoint, Inc.
240 East Hacienda Avenue
Campbell, CA 95008-6617 USA

+1.408.841.4500 or
+1.877.370.3802 US and Canada toll-free

chargepoint.com

Listed by Underwriters Laboratories Inc.

ENERGY STAR CERTIFIED

Electric Vehicle Supply Equipment

ChargePoint - CX4000 Series : CT4000 Series

Specifications

Brand Name:	ChargePoint
Model Name:	CX4000 Series
Model Number:	CT4000 Series
ENERGY STAR Partner:	ChargePoint, Inc.
Product Type:	Level 2
Max Nameplate Output Current (A):	30
Input Voltage (V):	208
Number of Outputs:	1
Output Cord Length (ft.):	18
Output Cord Gauge (AWG):	10
Screen Area, if EVSE has high res display (in2):	16.88
Maximum (100%) Measured Luminance of the High Res Display:	381
Automatic Brightness Control (ABC) Capable?:	Yes
Connected Functionality Capable?:	No
Network Protocol with Wake Capability:	Wi-Fi or Gigabit Ethernet,Cellular
No Vehicle Mode Input Power (W):	7.035
No Vehicle Mode Total Allowance (W):	7.52
No Vehicle Mode Power Factor:	0.465
Partial On Mode Input Power (W):	7.035
Partial On Mode Requirement (W):	7.52
Partial On Mode Power Factor:	0.7
Idle Mode Input Power (W):	8.345
Idle Mode Requirement (W):	20.32
Idle Mode Power Factor:	0.5
Full Current Operation Mode Test: Total Loss (W):	1931.915
30 A Operation Mode Test: Total Loss (W):	1772.55
15 A Operation Mode Test: Total Loss (W):	899.95
4 A Operation Mode Test: Total Loss (W):	254.12
Date Available on Market:	2017-10-01
Date Qualified:	2017-10-01
Markets:	United States, Canada

ENERGY STAR Certified:	Yes

Additional Model Information

Captured On:
09/24/2019

EJSCREEN Report (Version 2018)

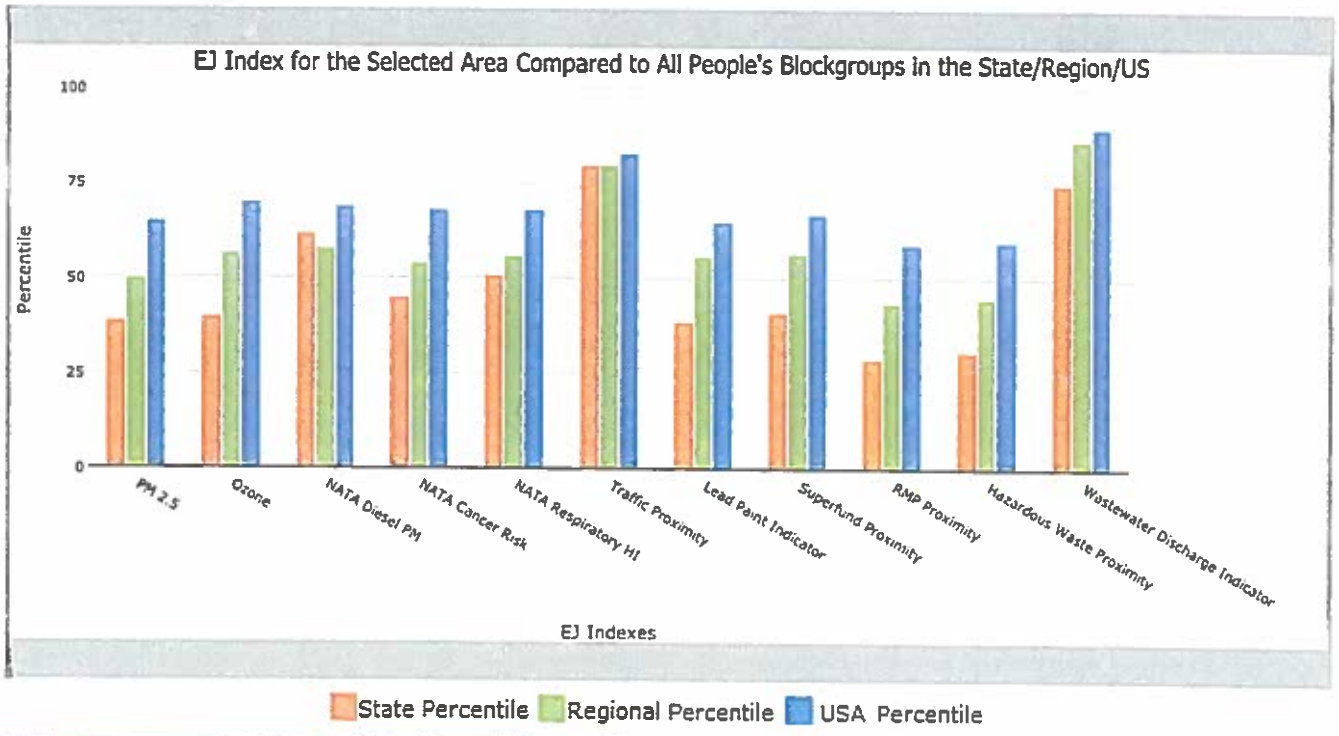
5 mile Ring Centered at 35.688336,-105.959464, NEW MEXICO, EPA Region 6

Approximate Population: 70,132

Input Area (sq. miles): 78.53

Solana Center

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	39	50	65
EJ Index for Ozone	40	57	70
EJ Index for NATA* Diesel PM	62	58	69
EJ Index for NATA* Air Toxics Cancer Risk	45	54	68
EJ Index for NATA* Respiratory Hazard Index	51	56	68
EJ Index for Traffic Proximity and Volume	80	80	83
EJ Index for Lead Paint Indicator	39	56	65
EJ Index for Superfund Proximity	41	57	67
EJ Index for RMP Proximity	29	44	59
EJ Index for Hazardous Waste Proximity	31	45	60
EJ Index for Wastewater Discharge Indicator	75	87	90



This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

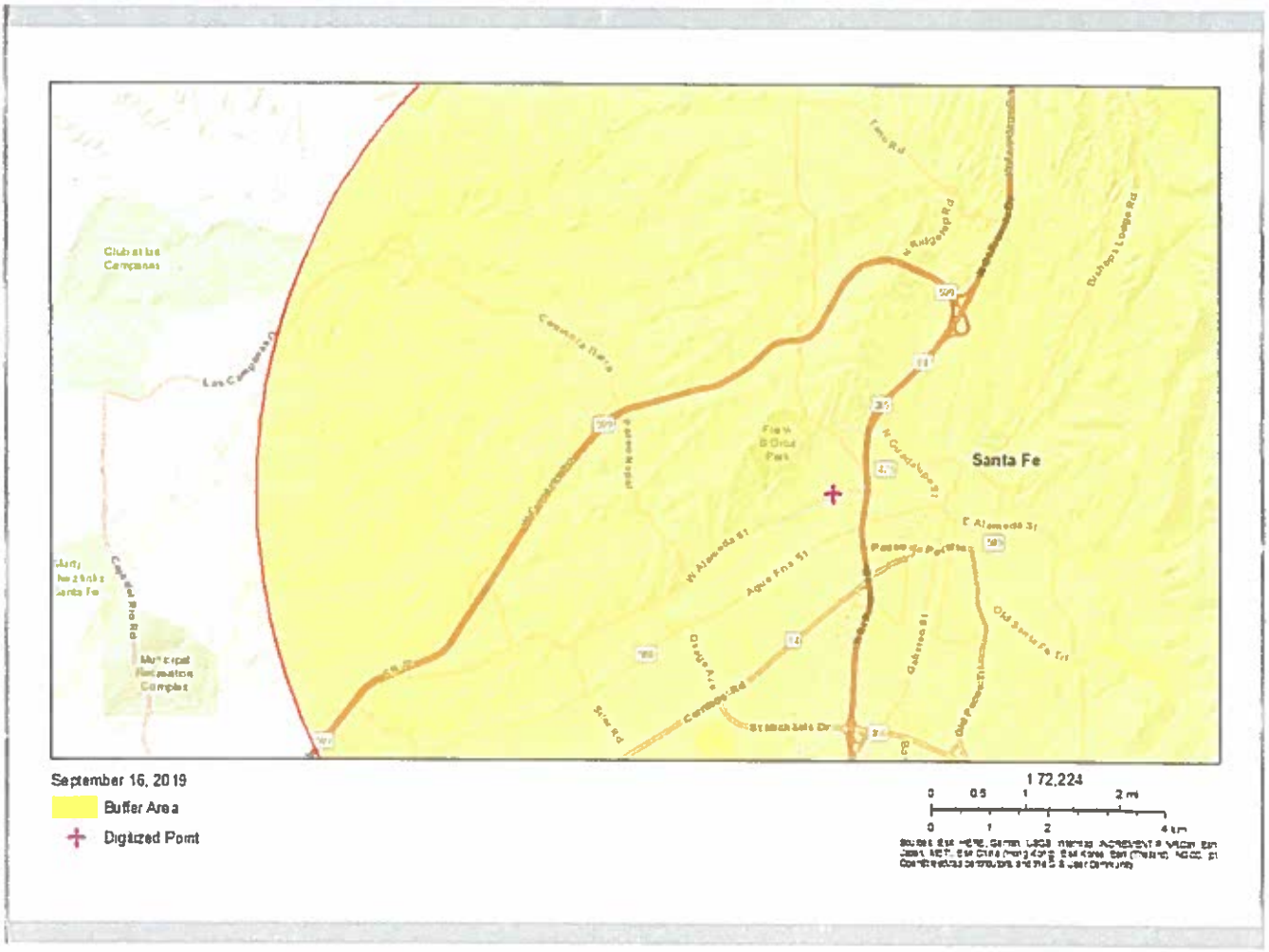
EJSCREEN Report (Version 2018)

5 mile Ring Centered at 35.688336,-105.959464, NEW MEXICO, EPA Region 6

Approximate Population: 70,132

Input Area (sq. miles): 78.53

Solana Center



Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0

EJSCREEN Report (Version 2018)

5 mile Ring Centered at 35.688336,-105.959464, NEW MEXICO, EPA Region 6

Approximate Population: 70,132

Input Area (sq. miles): 78.53

Solana Center

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in µg/m³)	5.68	6.25	23	9.55	1	9.53	2
Ozone (ppb)	50.3	49.7	49	40.4	97	42.5	90
NATA* Diesel PM (µg/m³)	0.408	0.473	51	0.721	<50th	0.938	<50th
NATA* Cancer Risk (lifetime risk per million)	31	32	41	42	<50th	40	<50th
NATA* Respiratory Hazard Index	1.3	1.4	56	1.8	<50th	1.8	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	480	290	82	320	83	600	77
Lead Paint Indicator (% Pre-1960 Housing)	0.22	0.19	70	0.18	73	0.29	54
Superfund Proximity (site count/km distance)	0.023	0.13	32	0.07	41	0.12	27
RMP Proximity (facility count/km distance)	0.0092	0.22	8	0.8	0	0.72	0
Hazardous Waste Proximity (facility count/km distance)	0.016	0.39	15	0.86	3	4.3	2
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	0.0026	2.1	63	0.38	75	30	73
Demographic Indicators							
Demographic Index	42%	52%	33	44%	51	36%	65
Minority Population	51%	61%	35	51%	53	38%	68
Low Income Population	32%	43%	33	38%	43	34%	52
Linguistically Isolated Population	4%	5%	54	6%	57	4%	66
Population With Less Than High School Education	10%	15%	39	17%	39	13%	50
Population Under 5 years of age	4%	6%	32	7%	25	6%	32
Population over 64 years of age	24%	15%	84	13%	91	14%	88

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: https://www.epa.gov/national-air-toxics-assessment.

For additional information, see: www.epa.gov/environmentaljustice

EV Charging Station Letter of Support - Solana Center Tenant Businesses

We, the undersigned, own, manage, or work for the tenant businesses of the Solana Center on West Alameda in Santa Fe. We understand that Santa Fe County is requesting funding from the New Mexico Environment Department's VW Settlement program to install publicly available Electric Vehicle Charging Stations on some of its parking spots next to its HR Building at the west end of the Solana Center.

We support the County's proposal. In addition to the environmental benefits, having publicly available charging stations would be a convenience to our existing customers and would increase traffic to the establishments in the Center.

Name	Business Name	Signature
Tom Frost	Betterday	
Lawrence Black	Dance Station	
William Rollans	Honey Moon Brewery	
George Casey	Lost Padre Records	
Martin Mena	Pack Ship + Mail boxes	
Cayetano Sosa	Kellys Liquors	
Hai Nguyen	Pho King	
Ryan Friday	Solana Barbershop	
Luis Estrada	Valentinas	

October 2019

EV Charging Station Letter of Support - Solana Center Tenant Businesses

Name	Business Name	Signature
Geraldine Pollakowski	Geri's Salon	
Nagisa Suzuki	La Montanita Co-op	