



## **NOTICE OF AVAILABILITY**

### **OF A DRAFT ENVIRONMENTAL IMPACT REPORT**

The California Energy Commission (CEC) has prepared a Draft Environmental Impact Report (DEIR) in accordance with the California Environmental Quality Act (CEQA) for the proposed CA3 Data Center (CA3 or project).

Vantage Data Services is seeking a Small Power Plant Exemption (SPPE) from the CEC's jurisdiction to proceed with local permitting rather than requiring certification by the CEC for the project. The DEIR also may be used by the city of Santa Clara and Bay Area Air Quality Management District (BAAQMD), as responsible agencies defined by CEQA, in their respective permitting processes for the project. The DEIR describes the proposed project and evaluates the potential environmental impacts associated with its construction and operation. The DEIR also analyzes two project alternatives in addition to a "no project" alternative.

The Small Power Plant Exemption (SPPE) process allows applicants with facilities between 50 and 100 MW to obtain an exemption from CEC's jurisdiction and proceed with local permitting rather than requiring CEC certification. CEC can grant an exemption if it finds that proposed facility would not create a substantial adverse impact on the environment or energy resources. Public Resources Code section 25519(c) designates CEC as the lead agency, in accordance with CEQA, for all facilities seeking an SPPE.

The DEIR was released for public review on January 21, 2022. The DEIR will be available on the CEC project webpage, as listed below in this notice. Comments on the DEIR will be received for a 45-day period, commencing on January 21, 2022, and ending on Monday March 7, 2022.

### **PROJECT LOCATION AND DESCRIPTION**

The project includes diesel-fired generators (to provide emergency backup power) that would constitute a thermal powerplant with a generating capacity in excess of 50 megawatts (MW). The generating capacity of the backup generators would not exceed 100 MW. The CEC has the exclusive authority to certify all thermal power plants (50 megawatts [MW] and greater) and related facilities proposed for construction in California.

The applicant proposes to construct and operate a four-story approximately 468,000-square-foot data center building located at 2590 Walsh Avenue in Santa Clara, California, to house computer servers and supporting equipment for tenants. The project includes 44 diesel-fired emergency backup generators (gensets), each rated at 2.75 MW, capable of generating sufficient electricity to serve the project in the event of a loss of power from the local utility, Silicon Valley Power (SVP). Eight of the 40 data center gensets would be redundant, yielding the applicant's goal of a 99.999 percent reliability factor. The remaining four gensets house generators (two of which are redundant) would support portions of the CA3 administration building and features necessary for emergency response.

The maximum electrical load of the project would be 96 MW, inclusive of information technology (IT) equipment, ancillary electrical/ telecommunications equipment, and other electrical loads (administrative and safety/ security). The project also includes a 100 Megavolt amperes (MVA) electric utility substation using a two-bay design, to be located on the project site directly adjacent and across the west property line from the existing Uranium Substation owned by SVP. Other project elements are a 60 kilovolt (kV) switching station and surface parking.

The project is proposed to be built on a previously developed light industrial property with pre-existing utilities available to serve the site. The exception being a recycled water pipeline that would be extended from the existing recycled water line located in Walsh Avenue.

## **HAZARDOUS WASTE SITES**

The project parcels are not listed on the California Hazardous Waste and Substances Sites List (also known as the Cortese List), published under Government Code section 65962.5.

## **ANTICIPATED ENVIRONMENTAL EFFECTS**

Typical of projects proposing to use large amounts of fossil fuel, the project's potential impacts of concern largely center on the proposed burning of diesel fuel and the resulting potential harmful emissions as well as the potential indirect effects of the project's electricity use. The project would emit greenhouse gases (GHGs); criteria air pollutants, including nitrogen oxides (NOx) and particulate matter (PM); and non-criteria air pollutants, including ammonia and diesel particulates. The operation of the engines during periodic maintenance and testing also may produce noise impacts with the potential to affect nearby workers or businesses. The construction phase of the project also has the potential to affect biological, cultural, paleontological, and tribal cultural resources, and transportation. Staff considered all these potential impacts, as well as others, in its evaluation.

The proposed project would result in no impacts to agricultural and forestry resources, mineral resources, and wildfire. The project would have less than significant impacts without mitigation to aesthetics, energy and energy resources, hydrology and water

quality, land use, population and housing, public services, recreation, and utilities and service systems.

The DEIR evaluates potentially significant impacts requiring mitigation in the following technical areas:

- **Air Quality.** The DEIR analyzes two primary types of air emissions: criteria air pollutants (which have health-based ambient air quality standards) and toxic air contaminants ([TACs], which are identified as potentially harmful even at low levels and have no established safe levels or health-based ambient air quality standards). With the implementation of mitigation measure **AQ-1** and NO<sub>x</sub> emissions fully offset through the BAAQMD permitting process, criteria air pollutant emissions from the project would not exceed any BAAQMD CEQA Guidelines significance threshold, cause a cumulatively considerable net increase of any criteria pollutant, conflict with or obstruct any applicable air quality plan, or expose sensitive receptors to substantial criteria air pollutant concentrations. Thus, the project would not have a significant impact on air quality.
- **Biological Resources.** The project would not have a substantial adverse effect on any species identified as candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife (CDFW) or United States Fish and Wildlife Service (USFWS), with mitigation incorporated. Staff proposes mitigation measures **BIO-1**, which requires nesting bird pre-construction surveys and implementation of appropriate nest buffers, and **BIO-2**, which requires conducting bat clearance surveys prior to demolition of the existing buildings or removal of trees. **BIO-2** also requires development of a Bat Mitigation and Monitoring Plan, which details exclusion methods, roost removal procedures, and compensatory mitigation methods for permanent impacts from roost removal.

With mitigation, the project would not conflict with tree preservation policies or ordinances or tree replacement policies. To avoid conflict with city of Santa Clara General Plan policies regarding tree removal and the protection of trees, staff proposes mitigation measures **BIO-3**, which provides detailed requirements for the replacement of trees removed as part of the project, and **BIO-4**, which requires the implementation of tree protection measures to avoid and minimize impacts to trees remaining on site.

- **Cultural and Tribal Cultural Resources.** The project would not impact any known resources that could meet CEQA's criteria for historical resources, unique archaeological resources, or tribal cultural resources. However, previous cultural resources studies in the project area indicate that buried archaeological or ethnographic resources could be encountered during ground disturbing activities at the site. Staff recommends two mitigation measures, **CUL-1** and **CUL-2**, to address the discovery of previously unknown buried cultural resources, including human remains. **CUL-1** proposes to require monitoring by both a qualified archaeological resources specialist and a Native American monitor and implement a Workforce

Environmental Awareness Program. **CUL-2** proposes measures to be taken in the event human remains are discovered during ground disturbance. With the implementation of these mitigation measures, potential impacts on cultural and tribal cultural resources would be reduced to a less than significant level. Consultation between the Tamien Nation (a California Native American tribe) and CEC staff is ongoing. This consultation might result in changes to the Cultural and Tribal Cultural Resources section of the Final EIR, as well as the mitigation measures. At present, the identification of new impacts or mitigation measures does not appear likely.

- **Geology and Soils.** Construction would temporarily increase sedimentation and erosion by exposing soils to wind and runoff until construction is complete and new vegetation is established. The city's National Pollutant Discharge Elimination System Municipal Permit, urban runoff policies, and the municipal code are the primary means of enforcing erosion control measures through the grading and building permit process. In accordance with city of Santa Clara General Plan policies, the implementation of the regulatory programs and policies in place would reduce the possible impacts of accelerated erosion during construction to a less than significant level. Continuous operation and maintenance work would not result in increased erosion or topsoil loss. The probability that the construction, operation, or maintenance of the proposed project would have an impact on the risk of loss, injury, or death involving the rupture of an earthquake fault during operation is remote. As the project site is relatively flat with no open faces or slopes near the site, there is a low potential for landslides.

A project-specific geotechnical engineering report, along with the final project design, would be required to address, as needed, any issues arising from expansive soils, liquefaction, unstable geologic or soil units that could result from the construction of this project. With the implementation of the applicable design criteria per the California Building Standards Code, as well as the incorporation of the anticipated project-specific mitigation recommendations in the final geotechnical engineering report, seismic hazards would be minimized, to the extent feasible with conformance to the applicable seismic design criteria of the California Building Standards Code. Also, adherence to these standards would ensure that impacts from expansive soils would be less than significant. Earth moving during project construction has the potential to disturb paleontological resources. Staff proposes mitigation measure **GEO-1** to ensure the project design conforms to the requirements of a final geotechnical engineering investigation and California and local building standards and codes. Staff proposes **GEO-2** to train field staff in the identification and handling of paleontological resources. Staff concludes that, with the implementation of **GEO-1** and **GEO-2**, the impacts of any geologic hazards and the impacts to unique paleontological resources would be reduced to a less-than-significant levels.

- **Greenhouse Gas Emissions.** The DEIR incorporates both quantitative and qualitative analyses of the project's three categories of GHG emissions: (1) emissions related to the construction/demolition phase of the project; (2) direct "stationary source" emissions from the operation of the emergency backup generators; and (3) indirect and "non-stationary source" emissions from the operation of the project, the vast majority of which are indirect emissions from the electricity consumed by the project.

Staff proposes mitigation measure **GHG-1** to require the applicant to limit the GHG emissions of the emergency backup generators to the BAAQMD CEQA Guidelines GHG threshold applicable at the time of permitting with BAAQMD. Additionally, staff recommends mitigation measure **GHG-2** to require the emergency backup generators to use renewable diesel to ensure that the operation of the emergency backup generators would not hinder California's efforts to achieve statewide 2030 or 2045 GHG emissions reduction goals. With mitigation measures **GHG-1** and **GHG-2**, the project's direct GHG emissions from stationary sources would not have a significant direct or indirect impact on the environment. Finally, staff recommends mitigation measure **GHG-3** to require the project applicant to participate in SVP's Large Customer Renewable Energy (LCRE) program for 100-percent carbon-free electricity or purchase carbon offsets or similar instruments that accomplish the same goals of 100-percent carbon-free electricity.

With the implementation of mitigation measures **GHG-1**, **GHG-2**, and **GHG-3**, the GHG emissions from the project operation would occur in a manner consistent with the BAAQMD CEQA Guidelines, the city of Santa Clara Climate Action Plan, policies reflected in Executive Order B-55-18, California Air Resources Board's scoping plan, and later programs to implement Senate Bill (SB) 350 and SB 100 to achieve the statewide 2030 and other future GHG emissions reduction targets. The GHG emissions of the project would not result in a "cumulatively considerable" contribution under CEQA because they would conform with all applicable plans, policies, and regulations adopted for the purpose of GHG emissions reductions, including a Qualified Greenhouse Gas Emissions Reduction Strategy. Therefore, the GHG emissions from the project are determined to have less-than-significant GHG impacts.

The majority of the project's operational GHG emissions would occur from electricity use or during the readiness testing and maintenance of the emergency backup generators. The project's likelihood of operating for unplanned circumstances or emergency purposes is low and if such operation did occur it would be infrequent and of short duration. Further, the requirement to use increasing amounts of renewable diesel fuel would ensure that any GHG emissions resulting from emergency operations are minimized to the extent feasible. Staff, therefore, concludes that these emissions would be less than significant.

**Hazards and Hazardous Materials.** Ground disturbing activities associated with the grading and construction of the project would have the potential to encounter

the impacted groundwater and/or soil. Staff proposes mitigation measure **HAZ-1** requiring the preparation of a site mitigation plan to establish proper procedures to be taken when contaminated soil is found and how to dispose of the contaminated soil properly. Staff concludes that with the implementation of mitigation measure **HAZ-1**, impacts to the public or the environment due to contaminated soils would be reduced to a less-than-significant level.

- **Noise.** The CEQA Guidelines state that a project would normally be considered to have a significant impact if noise levels conflict with adopted environmental standards or plans or if project noise levels would substantially increase existing noise levels on a permanent or temporary basis. Noise due to construction activities is considered to be less than significant if the construction activity is temporary and is limited to daytime hours. The noise levels from construction activities can be perceived as noisy, but not necessarily noisier than other common ambient noises, such as passing trains. Moreover, construction noise would not be heard by the residents to the south of the construction site when trains on the existing active rail line are passing by. There is the possibility that some temporary construction noise could be perceived by the public as untimely or outside of norms; therefore, staff proposes mitigation measure **NOI-1**, requiring a complaint and redress process be implemented to ensure construction noise impacts would not be significant, as perceived by the community. With the implementation of mitigation measure **NOI-1**, the project's construction noise impact would be less than significant.
- **Transportation.** To meet the target vehicle miles traveled (VMT) for the project, the applicant has proposed an alternative work schedule for employees reflecting a 4-40 workweek (40 hours in 4 days) so that the project's VMT would be below the city's threshold. The commitment to 4-40 work schedule would be a transportation demand management (TDM) measure. Staff evaluated the measure in the context of impacts to VMT and concludes that the requirement defined in this TDM measure is sufficient. This TDM measure would reduce the project's VMT to 13.20 per employee, causing the project's VMT to fall below the city-approved threshold of 14.14. The city requires a TDM annual report, which would allow it to obtain confirmation that the 4-day, 40-hour work schedule has been complied with. Staff proposes mitigation measure **TRANS-1**, which would require the implementation of a TDM program that incorporates the 4-40 work schedule TDM measure.

The applicant has agreed to the above project changes to improve emergency vehicle access and proposed a TDM measure (i.e., an alternative work schedule for reducing VMT). For consistency with the city, staff is recommending that mitigation measure **TRANS-1**, which requires the implementation and verification of the 4-40 work schedule per the TDM, be adopted. Staff concludes that all potential impacts from the project would be less than significant with the implementation of identified mitigation measures.

## **PUBLIC REVIEW PROCESS**

This Notice is being provided to request comments from agencies, organizations, and the public regarding the environmental analyses presented in the DEIR. All comments on the DEIR are due by March 7, 2022.

To access the DEIR and all documents incorporated by reference in the DEIR please go to the CEC's project docket website at:

<https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=21-SPPE-01> or access the document at the State Clearinghouse through the CEQANet Database at: <https://ceqanet.opr.ca.gov/>.

This Notice of Availability of a Draft Environmental Impact Report has been mailed to nearby property owners, responsible and trustee agencies, organizations and individuals who have requested notification, the county clerk, and the State Clearinghouse. Persons who cannot access the materials through the link above are encouraged to email the CEC at: [eric.veerkamp@energy.ca.gov](mailto:eric.veerkamp@energy.ca.gov) with a subject line "CA3 Data Center" or call 916-661-8458 to arrange for alternative means of access to project materials.

The DEIR is available for review on the project's docket page, at:

<https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=21-SPPE-01>

Written comments on the DEIR may be submitted to the project's docket submittal page, at:

<https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=21-SPPE-01> Alternatively, comments may be submitted to: [eric.veerkamp@energy.ca.gov](mailto:eric.veerkamp@energy.ca.gov).

At the time of this notice no public meetings or hearings have been scheduled on the proposed project. To receive notice of any upcoming hearings when they are scheduled, please subscribe to the project listserv at:

<https://www.energy.ca.gov/powerplant/reciprocating-engine/ca3-backup-generating-facility>