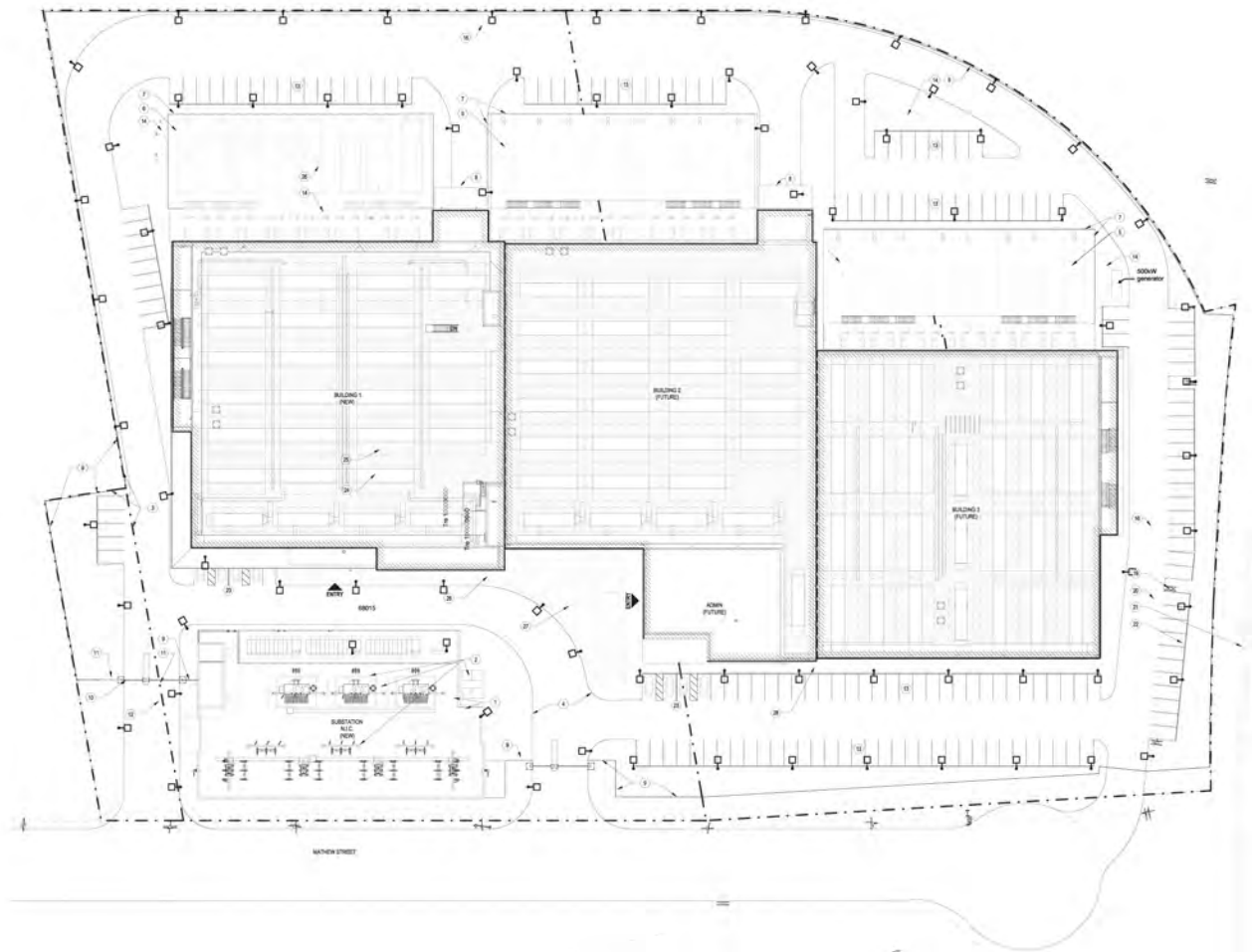


| DOCKETED | |
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| Docket Number: | 19-SPPE-03 |
| Project Title: | Sequoia Data Center |
| TN #: | 233331 |
| Document Title: | Exhibit 204 Excerpt from McLaren Data Center Project Initial Study and Proposed Mitigated Negative Declaration |
| Description: | N/A |
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MCLAREN DATA CENTER PROJECT

Initial Study and Proposed Mitigated Negative Declaration



CALIFORNIA
ENERGY COMMISSION
Edmund G. Brown, Jr, Governor

June 2018
CEC-700-2018-002-SD

DOCKET NUMBER 17-SPPE-01

Air Quality Table 5.3-10 Estimated Operational Health Impacts At The Maximally Exposed Individual Sensitive Receptor

| Receptor Type | MEISR ¹ | PMI ² | MEIR ³ | MESCR ⁴ | MEIW ⁵ | BAAQMD Threshold |
|---|--------------------|------------------|-------------------|--------------------|-------------------|------------------|
| Cancer Risk Impact (in one million) | 0.69 | 2.29 | 0.69 | 0.08 | 2.29 | 10 |
| Chronic Non-Cancer Hazard Index (HI) | 0.00018 | 0.00739 | 0.00018 | 0.00215 | 0.00739 | 1 |
| Annual PM_{2.5} Concentration (µg/m³) | 0.00091 | 0.003696 | 0.00091 | 0.01076 | 0.03696 | 0.3 |
| Acute Non-Cancer Hazard Index | 0.84 | 0.84 | 0.34 | 0.6 | 0.84 | 1 |

Sources: Vantage 2018e, Table 13 and Table 14.

¹ MEISR - Maximally Exposed Individual Sensitive Receptor. Offsite residents were assumed to be present at one location for a 30-year period, beginning with exposure in the third trimester.

² PMI - Point of Maximum Impact. It was calculated assuming worker exposure for all non-soccer child and non-residential receptors. It was assumed a 25-year exposure (8 hours/day and 250 days/year) of being present in that point.

³ MEIR - Maximally Exposed Individual Resident.

⁴ MESCR - Maximally Exposed Soccer Child Receptor. Offsite recreational soccer receptors were assumed to be located at the soccer facility starting at age 2, then that same child would continue to be exposed by participating in activities at the facility as they got older. The child was assumed to be present one day a week for one hour per day for a full 30 years

⁵ MEIW - Maximally Exposed Individual Worker. It was evaluated at any receptor where a worker may be present, assuming a 25-year exposure (8 hours/day and 250 days/year) of being present in that point.

Concurrent Construction and Operational Impacts Regional Air Quality.

The applicant has changed the MDC recently and has submitted the appropriate changes with the City of Santa Clara. The applicant states in Data Responses docketed on February 5, 2018⁵: *“The City is currently processing a request by Vantage for minor modification to the previously approved MDC. These changes include increasing the square footage of the buildings which in turn increased the backup generating facility capacity. All of the changes to the MDC are within the previously approved site. The City intends to prepare an Addendum to the IS/MND for the MDC to document the changes to the MDC”*

The following **Air Quality Table 5.3-11** was prepared by the City of Santa Clara, with construction activities occurring in four phases over five years (2018 to 2022). The project has since been modified such that construction would occur over only three phases. Each phase would begin within the same year construction of the previous phase is completed, meaning construction for the following phase could occur simultaneously with the previous construction phase, beginning in 2018. A conservative estimate of overlapping emissions from simultaneous construction and operational activities were summed and are presented on a year-by-year basis in **Air Quality Table 5.3-11**.

⁵ **Vantage 2018b** – DayZen LLC docketed February 5, 2018. Vantage Data Center's Supplemental Response to CEC Staff DR Set No. 1 (1-34) (Applicants Data Responses), dated February 5, 2017