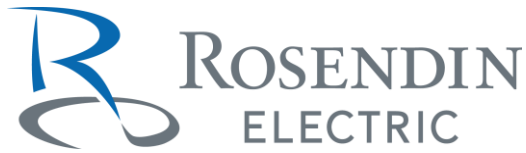


**DOCKETED**

<b>Docket Number:</b>	17-SPPE-01
<b>Project Title:</b>	McLaren Backup Generating Facility
<b>TN #:</b>	225007
<b>Document Title:</b>	Rosedine V5 PUE determination letter
<b>Description:</b>	McLaren Data Center Exhibit 308 Rosedine V5 PUE determination
<b>Filer:</b>	Robert Sarvey
<b>Organization:</b>	Robert Sarvey
<b>Submitter Role:</b>	Intervenor
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November 4, 2016

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Subject: V5 Load Projections

The following load projections are for the proposed Vantage Data Center (Building V5) located at 2820 Northwestern Parkway, Santa Clara, CA. 94050. This will be a completely new facility constructed in the parking area on Vantage’s Santa Clara Campus.

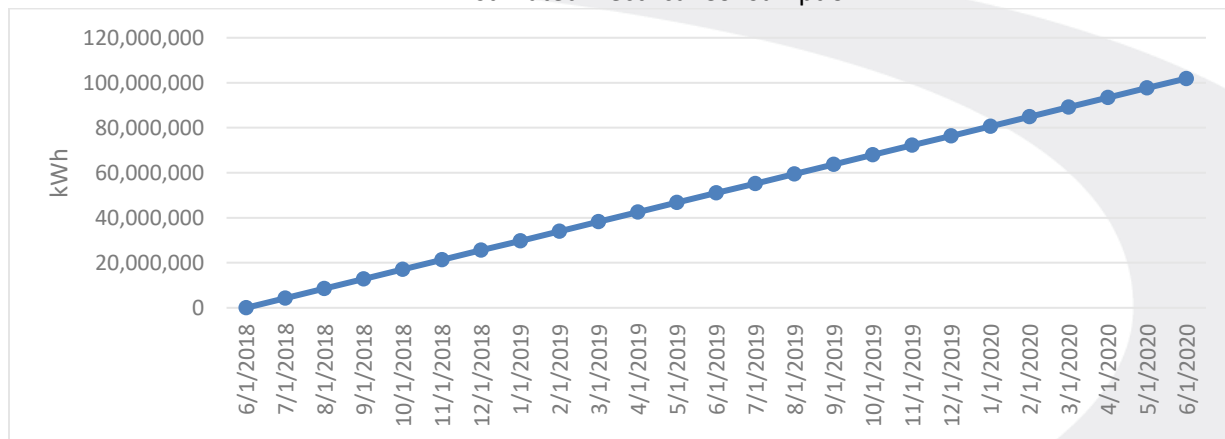
The new Vantage data center at 2820 Northwestern Parkway will consist of three data halls. There will be two (2) 4.5MW data halls on the second and third floors in phase one and a 6MW data hall on the fourth floor in a future phase. The total critical (IT) load at full build out would be 15MW.

The mechanical contractor has projected 1.5 PUE for this facility. Therefore, the average projected mechanical peak load for all data halls is 7.5MW.

The total projected demand for entire facility will be 22.5 MW.

The load profile below represents a typical data hall client. The initial load in each data hall would start at zero then reaching a maximum demand after the data hall has been populated with their equipment. Construction for phase one is scheduled to be finished by June 1, 2018.

Estimated Electrical Consumption



Exact load profile predictions are difficult. Actual data hall demands vary greatly depending on the requirements of each client. They determine the maximum load per data hall. The load profile presented in this letter represents those clients who utilize the maximum amount of resources available to them in the shortest possible time frame.

If you have any questions, please feel free to contact me at (408)793-5056 or email me at [lhollis@rosendin.com](mailto:lhollis@rosendin.com).

Sincerely,

*Larry Hollis*

Larry Hollis, DBIA  
Vice President  
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