



Response Letter to Allowable Motor Starting Current

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The values provided below are maximum motor flicker values, based on the motor size as provided by the customer and the current condition of the distribution system. Utility distribution systems are dynamic, and the electrical characteristics of the system can vary significantly due to abnormal conditions, upgrades, modifications, and temporary or permanent reconfigurations. Therefore, the values provided below are subject to change frequently and without notice. SCE does not guarantee to hold the system parameters represented in this information constant.

To: Customer: Bill Hurst Phone: (805) 683-4560
Address: 5645 W Camino Cielo Fax: _____
City, Zip: Santa Barbara, 93105 Email: mktdev@gmail.com

From: Southern California Edison Company - Transmission & Distribution - Field Engineering
Engineer: Joyce Huang Phone: 805-290-9205
Address: 10180 Telegraph Road Fax: _____
City, Zip: Ventura, 93004 Email: joy.huang@sce.com

Subject: Voltage Flicker Calculations

Project: Name: ROMALDO WATER CO
Address: 5645 W Camino Cielo
City, Zip: Santa Barbara, 93105
Structure #: 1217171E



Per Rule 2 Section D. Allowable Motor Starting Currents, if the starting current for a single motor exceeds the value stated in Tables 1-2, reduced voltage starting or other suitable means must be employed, at the customer's expense, to limit the current to the value specified, except where specific exemptions are provided in Sections D.2, 3, and 4.

From the recording volt meter data at the customer's panel, the starting inrush was shown to frequently exceed 232A, and to reach or exceed 280A on average.

Per Rule 2 Section D Table 2 for a 15 hp, 240V, 3-phase motor: to meet utility requirements, the customer must limit the starting inrush to no greater than 94 kVA, or 232A at 240V 3-phase for any motor at this site. The customer may choose to install reduced voltage starting equipment that limits starting inrush to an even lower level for their own benefit of reducing flicker dip levels at their panel.

The customer's equipment must be constructed, operated, and maintained in such a manner as to limit within acceptable industry standards any detrimental voltage fluctuations, harmonic distortion, or noise feedback into the Edison Company power lines. Failure to limit all such factors detrimental to Edison or its customers may subject the customer to disconnection from the power lines in accordance with filed CPUC tariff rules. The customer also must notify SCE if motor sizes change in the future.