



REPORT NO. 1086-457a

SEISMIC QUALIFICATION REPORT

QUALIFIED TO IEEE-693-2005

21.5" REGULATOR SUB-BASE

REPORT PREPARED BY: W. E. GUNDY & ASSOCIATES, INC.

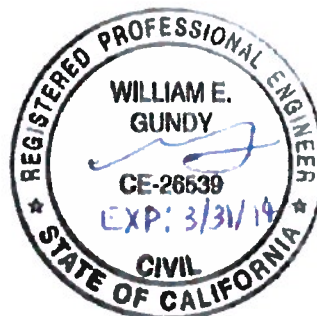
DATE SIGNED OR REVISED: MARCH 2012

EQUIPMENT MANUFACTURED BY:

GENERAL ELECTRIC

THIS IS TO CERTIFY THAT THE ABOVE NAMED EQUIPMENT AND SUPPORT, IF SUPPORT IS REQUIRED, MEETS OR EXCEEDS ALL OF THE REQUIREMENTS ACCORDING TO IEEE-693-2005.

SIGNED:



P.O. Box 2900 Hailey, ID, 83333
Tel (208) 788-5989 ~ Fax (208) 788-5988

Email: wgundy@wegai.com
Web: www.wegai.com



REPORT NO. 1086-457b

SEISMIC QUALIFICATION REPORT

QUALIFIED TO IEEE-693-2005

42.5" REGULATOR SUB-BASE

REPORT PREPARED BY: W. E. GUNDY & ASSOCIATES, INC.

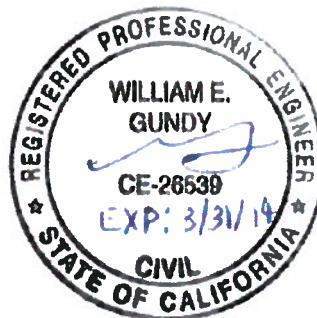
DATE SIGNED OR REVISED: APRIL 2012

EQUIPMENT MANUFACTURED BY:

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W.E. Gundy & Associates Inc.
250 Bobwhite Ct. Suite 100. Boise. ID 83706

Thomas A. Dautat
GE Energy
7000 W. Bert Kouns Industrial Loop
Shreveport. LA 71129 USA

Dear Tom,

In response to your request for quotation, the following is the scope of work and proposal for structural analysis and seismic qualification of a Voltage Regulator (see attached outline drawings) on support stand according to the requirements of IEEE 693-2005 and PacifiCorp Specification ZS 065.

Scope of Work:

1. A complete finite element computer model of the regulator and support stand will be prepared by WEGAI using structural analysis program SAP2000. Reasonable efforts will be made to prepare the computer model in accordance with standard practices.
2. A complete structural analysis will be performed in accordance with the procedures outlined in IEEE 693-2005 and Specification ZS 065. The analysis will include seismic, wind and ice loading requirements.
3. Loads, deflections and stresses in critical structural members and connections will be assessed and improvements to the structural design will be suggested as needed for the unit to withstand the loading conditions.
4. WEGAI will prepare and stamp a qualification report signed by a licensed California PE showing the regulator and support stand will withstand the loading conditions and meet the seismic, wind, ice and anchorage requirements according to IEEE 693-2005 and PacifiCorp Specification ZS 065.

Sincerely,

David E. Gundy, PE
Vice President
W.E. Gundy & Associates Inc.



REPORT NO. 1086-509

SEISMIC QUALIFICATION REPORT

QUALIFIED TO IEEE-693-2005

19.9kV VOLTAGE REGULATOR

&

21.5" REGULATOR SUB-BASE

REPORT PREPARED BY: W. E. GUNDY & ASSOCIATES, INC.

DATE SIGNED OR REVISED: SEPTEMBER 2013

EQUIPMENT MANUFACTURED BY:

GENERAL ELECTRIC

THIS IS TO CERTIFY THAT THE ABOVE NAMED EQUIPMENT AND SUPPORT, IF SUPPORT IS REQUIRED, MEETS OR EXCEEDS ALL OF THE REQUIREMENTS ACCORDING TO IEEE-693-2005 AND PACIFICORP SPECIFICATION ZS 065.

SIGNED:



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