



MITSUBISHI ELECTRIC POWER PRODUCTS, INC.

THORN HILL INDUSTRIAL PARK
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January 15, 2020

To: Carey Bylin
Energy Sector Manager
California Air Resources Board
1001 I Street, Sacramento, CA 95814
Ph: (916) 445-1952; carey.bylin@arb.ca.gov

From: John Paserba
Vice President, Power System Group
Mitsubishi Electric Power Products, Inc.
512 Keystone Drive, Warrendale, PA 15086
Ph: (724) 772-2107; john.paserba@meppi.com

Re: Mitsubishi Electric Power Products, Inc. non-SF6 power circuit breaker roadmap

Dear Ms. Bylin,

Mitsubishi Electric Power Products, Inc. (MEPPI) wishes to express our support of CARB's evolving regulations governing Sulphur Hexafluoride (SF6) associated with gas-insulated switchgear. MEPPI and our parent company, Mitsubishi Electric, strongly advocate positive and proactive environmental stewardship in all aspects of our corporate and cultural activities.

Leveraging Mitsubishi Electric's leadership in reliable, high-quality vacuum bottles and products since 1965, MEPPI and Mitsubishi Electric Corporation are extending our vast experience with vacuum technology to create a new line of power circuit breaker products.

The following table indicates our current development schedule milestones and anticipated first-production dates for industry-compliant dead-tank power circuit breakers.

Voltage class (kV)	Short Circuit Current (kA)	Continuous Current (A)	Anticipated Production Date
72.5	31.5	2000	October 2020
72.5	40	3000	October 2022
145	40	3150	October 2022
145	50/63	3150	October 2025
245	40	3150	October 2024
245	50/63	4000	October 2027

Note: Timeline for 362 kV 63 kA and 550 kV 63 kA is a production release on or before April 2030.

jjp/end