



Item 14: Decarbonizing Heating, Ventilation, and Air Conditioning Systems in Large Buildings

GFO-22-308

May 8, 2024 Business Meeting

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Technology Innovation and Entrepreneurship Branch
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Solicitation Overview

- Heating, ventilation, and air conditioning (HVAC) system decarbonization solutions
- Large commercial buildings
- Emphasis on:
 - Advancements
 - Efficiency
 - Ultra-low global warming potential (GWP) refrigerants
 - Replicability



Benefits to California

- Adoption of ultra-low GWP refrigerants
- Reduce GHGs
- Adoption of electric heat recovery chillers
- Hybrid solutions for large building electrification
- Innovative electric solutions to heat and cool



Summary of Proposed Agreements

Applicant	CEC Funds	Match Funds
EPRI	\$2,000,000	\$560,000
Calion Technologies, Inc.	\$1,500,000	\$750,000
Prospect Silicon Valley	\$1,998,949	\$600,620
UC Berkeley	\$5,999,540	\$2,441,848
UC Berkeley	\$1,999,140	\$915,852
Lawrence Berkeley National Lab	\$5,899,990	\$1,200,000



Staff Recommendation

- Approve six grant agreements.
- Adopt Staff determination that these projects are exempt from CEQA.