**GFO-23-301**

**Energy Efficiency and Load Flexibility in Industrial and Commercial Cold Storage Facilities**

**November 1, 2023**

The purpose of this addendum is to notify potential applicants of changes that have been made to GFO-23-301.

The addendum includes the following revisions to the Solicitation Manual. Added language appears in **bold underline**, and deleted language appears in [~~strikethrough~~] and within square brackets.

Page numbers referenced are based on the original GFO.

## **Solicitation Manual**

1. GFO manual cover page and footers on each page, revised date
2. Section 1.B
	* Added

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| **CAISO**  | ***California Independent System Operator.* CAISO manages the flow of electricity on high-voltage power lines, operates a wholesale energy market, and oversees infrastructure planning.**  |

* Added

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| **Load Flexibility**  | ***Load flexibility,* also called demand flexibility, is the practice of adjusting load (or energy usage) to match the supply of electricity. Electricity customers with smart devices can automatically shift their energy usage to when electricity is cheaper and cleaner and use less energy when the grid is under stress or running polluting power plants. For additional information*:* https://www.energy.ca.gov/programs-and-topics/topics/load-flexibility**  |

1. Section 1.C
	* Page 7 – Second paragraph, second bullet: Deleted “permanent”
	* Page 7 – Third paragraph, second sentence:
	* Added “technologies and approaches” and “improved energy efficiency” and “load flexibility projects that shift load out of CAISO’s net peak demand hours.”
	* Deleted “projects” “permanent” and “load reduction and does not seek projects that target emergency load reduction.”
	* Page 7, Third paragraph, first bullet:
	* Added “Reduce grid GHG emissions by at least 20 percent for the technology(ies) demonstrated when compared to the currently installed technology”
	* Deleted “GHG emissions reduction (at least 20 percent) annually”
	* Page 7, Third paragraph, second bullet:
	* Added “for each technology funded and based on the facility’s IOU electricity tariff and other customer incentives”
	* Page 7, Fourth paragraph:
	* Added “to shift load out of CAISO net peak demand hours driven by the respective IOU’s electricity tariff or other incentive programs available at the time of the project demonstration. Energy efficiency projects must reduce annual electricity usage (kWh) by at least 20 percent compared to the baseline equipment.”
	* Deleted “permanently (non-emergency) load shift from peak hours to off-peak hours, as defined by the respective IOU’s electricity tariff at the time of the project demonstration (at least 20 percent of electric power (kW) shifted). Energy efficiency projects must reduce annual electricity usage (kWh) by at least 20 percent.”
	* Page 7, Fifth paragraph:
	* First sentence, added “for”
	* Added second and third sentence: “Meter data may be used for estimating pre-deployment baseline energy use. This baseline should reflect representative pre-project operations so that it can accurately be compared to post-project operations.”
	* Page 7 – Group 1: Industrial Refrigerated Warehouses. Added new fourth bullet: “Projects that include load shifting capability will receive preference.”
	* Page 7-8, Original fourth bullet:
		1. Deleted “permanent”
		2. 1st sub bullet: moved the word “load” to after shift
		3. 2nd sub bullet :
			1. Added “that uses” and deleted “such as Energy Plus using the”
			2. Added “from” and deleted “of”
			3. Added “9” and deleted “3”
			4. Added “an” and deleted “the”
			5. Added “accurately" and deleted "be able to”
			6. Added “based on pre- and post-installation energy use”
			7. Added “accurately” and deleted “be able to”
	* Page -98 – Group 2: Commercial Cold Storage Facilities. Added new fourth bullet: “Projects that include load shifting capability will receive preference.”
	* Page 9, Original fifth bullet:
		1. First sentence
			1. Deleted “permanent” “such as Energy Plus using the” and “of”
			2. Added “that uses”
		2. Second sentence: Added “For example, if a project shifts a 500 kW load from 5 pm to 9 pm, an energy model must accurately calculate the marginal GHG difference and provide a cumulative savings based on pre- and post-installation energy use.”
		3. Third sentence, added “accurately” and deleted “be able to”
2. Page 10, Section I.E, Key Activities Schedule:
	* Updated Deadline for Written Questions and Anticipated Distribution of Questions and Answers dates
3. Page 15, Section 1.K, first bullet:
	* Added “**that do not provide value to the project**”
	* Deleted “affixed to the project work site permanently or for an indefinite period of time (e.g., photovoltaic systems)”
4. Page 20, Section II.B.4. Measurement and Verification Plan:
	* Deleted “Energy and cost savings must be based on Time Dependent Valuation.”

**Natalie Johnson,**

**Commission Agreement Officer**