Company
Docket No. 26-08-05
Response to Interrogatory CAE-23
Date of Submission: August 28th, 2026
Witness: Sergio Carrillo Connecticut Green Bank

Question:

CAE-23 CGB Interrog. Resp. CAE-6. Comment on when testing of the Codibly solution is expected to be complete and when CGB expects to make a recommendation to the Authority regarding whether the solution should be adopted. Further, estimate the costs incurred to date for development and testing of the solution, both in the aggregate and on a per-project basis.

Response:

Progress Update

In response to CAE-6[1] in Docket 20-08-05 on July 9th, 2026, Green Bank provided an overview of our efforts to re-establish communications and control of homeowner-owned SunPower SunVault battery systems. At that time, Green Bank had already engaged with Codibly to implement their hardware-enabled communication solution to restore the software connection between the SunVault systems and the utility Distributed Energy Resource Management Systems ("DERMS") platforms. Green Bank worked with Codibly and an Energy Storage Solutions Eligible Contractor to identify a first test customer to participate in a field test of the hardware solution. This first field test demonstrated that the Codibly pathway was technically possible but required multiple site visits to troubleshoot and establish communication between the installed hardware and the Codibly software engineers. Codibly was ultimately able to establish communication and successfully perform a scheduled dispatch test event with the SunVault system. Despite the encouraging results, Green Bank recommended similar field testing with additional sites with different configurations.

Since the July 9th filing, Green Bank has worked with Codibly and the Eligible Contractor to initiate a second field test with a SunVault customer's system. The second site was selected based in part on the differing gateway communication hardware onboard the SunVault to further validate the installation and commissioning process. This hardware installation was completed and Codibly is currently completing commissioning and troubleshooting. In parallel the Green Bank and Codibly have engaged separately with the two utility DERMS providers, EnergyHub and Uplight, to scope the integration process, develop contracts, and establish a timeline for completion.

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1 https://www.dpuc.state.ct.us/dockcurr.nsf/8e6fc37a54110e3e852576190052b64d/69d583d05616f91485258e2f006cd6c0/$FILE/Docket%20No.%2026-08-05%20ESS%20CAE-6%20Response.pdf

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Green Bank does not currently have a definitive timeline for when testing of the Codibly solution will be completed. Although the initial hardware installations and testing are promising, the process involves multiple contractor visits primarily to troubleshoot internet connectivity issues. The site visit coordination between the contractor and the customer is a bottleneck. Green Bank's goal is to establish an installation and commissioning process that requires a single installer site visit without the need for follow-up troubleshooting. As filed previously, Green Bank intends to test three to five systems in hopes of achieving a single visit installation and commissioning process.

Further, Green Bank considers DERMS integration to be a necessary step in the process of testing Codibly's solution. The DERMS providers have been optimistic in initial conversations with Codibly and Green Bank. Codibly has considerable experience with OpenADR-based integrations and has worked previously with EnergyHub and Uplight on other projects. The DERMS providers have indicated that they do not expect there to be significant technical barriers to integration. However, timelines and costs for the integration have not been established to date. Because successful integration requires coordination between Codibly and the DERMS providers, the timeline for completion depends in part on parties outside of Green Bank's control.

Green Bank expects to be in a better position to provide a completion timeline once final draft agreements are in place between the DERMS providers and Codibly and to provide a recommendation to the Authority once three to five test systems have been integrated and are operational in the DERMS platforms.

Costs Incurred
Aggregate costs incurred to date include software licensing, research & development, hardware, and installation services.

Table 1: Aggregate Costs

Description	Unit Price	Quantity	Amount
Codibly - OpenADR Virtual End Node Server License	$50,000.00	1	$50,000.00
Codibly - Software Research & Development	$18,425.00	1	$18,425.00
Hardware - RevPi	$436.99	3	$1,310.97
Hardware - Power Supplies	$12.47	3	$37.40
Hardware - Antenna (4 pack)	$8.99	1	$8.99
Contractor - Installation & Troubleshooting Services	$800.00	2	$1,600.00
Azure Cloud Computing Resources (Jan - Aug)	$850.44	1	$850.44
		TOTAL	**$72,232.80**

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To estimate per-project costs, we assume that software licensing and research & development can/should be levelized over the full SunVault asset population of approximately 100 systems.[2]

Table 2: Per Project Basis

Description	Unit Price	Quantity	Amount
Contractor- Installation & Troubleshooting Services	$800.00	1	$800.00
Hardware	$452.45	1	$452.45
Levelized Software Licensing & Development Costs	$736.97	1	$736.97
		TOTAL	**$1,989.43**

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[2] It should also be noted that if this solution was expanded to support other potentially stranded assets in the future, these costs would be further levelized.