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The program, which is expected to be a boon for energy storage, will favor longer-duration technologies, such as the flow batteries provided by Primus Power's Energy Pod 2, according to Stepien.

Customers that have large amounts of solar PV are now approaching Primus with the intent to use solar-plus-storage as peaker replacements and to use behind-the-meter battery assets to offset transmission and distribution (T& D) investment costs.

The core technology behind these solutions is Primus Power's EnergyPod, a groundbreaking long-duration flow battery system. The proprietary EnergyPod flow battery uses only one flow loop (versus two for conventional designs) and advanced metal-based electrodes that enhance performance and extend durability.

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Primus Power has developed a low-cost, distributed storage flow battery made of tanks filled with high energy density electrolytes that are pumped throughout the battery system. This flow battery can store renewable energy such as wind and solar power and then release that energy into the grid during peak load times.

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Primus Power is developing zinc-based, rechargeable liquid flow batteries that could produce substantially

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more energy at lower cost than conventional batteries. A flow battery is similar to a conventional battery, except instead of storing its energy inside the cell it stores that energy for future use in chemicals that are kept in tanks that ...

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