Honorable Chair Stern,

I write on behalf of The Long Duration Energy Storage Association of California, to register our support for SB 423 by Senator Stern to advance grid reliability by requiring the state’s leading energy agencies to identify all available, commercially feasible and near-commercially feasible emerging renewable energy and firm zero-carbon resources necessary to support a clean, reliable, and resilient electrical grid.

As you know, the recent SB 100 joint agency report, noted that emerging and existing, zero carbon firm resources like green electrolytic hydrogen and long-duration energy storage – including multi-day energy storage technologies – could ultimately replace natural gas power plants to ensure grid reliability.

California needs more thorough and interconnected planning and assessment of the effects of atypical weather on grid reliability, as well as where to locate renewable energy projects to maximize grid benefits, while balancing land conservation, local needs interests.

This bill will ensure multiple state agencies incorporate outcomes from other reports to be in line with each other. As well as create an assessment on how to really deep-dive into ensuring emerging renewables, zero-carbon energy resources and long-duration storage can be integrated to achieve our state goals.

SB 423 also requires the resource adequacy process include how emerging renewables, zero-carbon energy resources and long-duration storage can ensure a resilient grid during multi-day extreme or atypical weather events that may occur in all seasons of the year at least as frequently as once in ten years.
The LDESAC support SB 423 because it enables California to build on existing processes and procedures, allow for more efficient and effective coordination and provide a deep dive analysis into zero-carbon energy resources and long-duration energy storage benefits.

For all of these reasons, and the need for all Californians to meet its strong public policy requirements and ensure a reliable and resilient electrical grid we urge your support on SB 423.

Sincerely,

[Signature]

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