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Energy and water solutions with DER focus

New energy sources are available by tapping into San Francisco bay and coastlines along California for both energy storage and generation on-demand for DER needs with fresh water at very low costs. This would save California in huge tax payers money and provide energy and water in DER format adaptable to climate changes. These solutions meet and exceed the requirements that would easily enable California to meet its RPS goal earlier to 2030 with integrated energy storage. The new technologies available now also lead to fresh water from sea water without power needs or chemical and salinity issues.

Some points for the plan:

1. New global technologies to be a part of Triennial investment plan needs demonstration sites in California which would also provide assured protection the IPs of these firms. The channel to partner for demonstration like DOE does would support these technologies reaching California much faster.
2. California being a pioneer in new technologies support and deployment for the good, can the plan provide for initial support of the applied research and development outside California, with insistence on demonstration and key manufacturing be done in California?
3. Technologies can more broadly be defined than just membranes for desalination or similar examples, encouraging hybrid technologies which reduce GHG emissions in a big way. There would be more options open to California to move towards balanced energy and water infrastructure. They can provide the redundancy in case of drought or floods or climate change to both water and energy needs. The turnaround of these technologies towards commercialization and exports would be much faster creating bigger job opportunities.