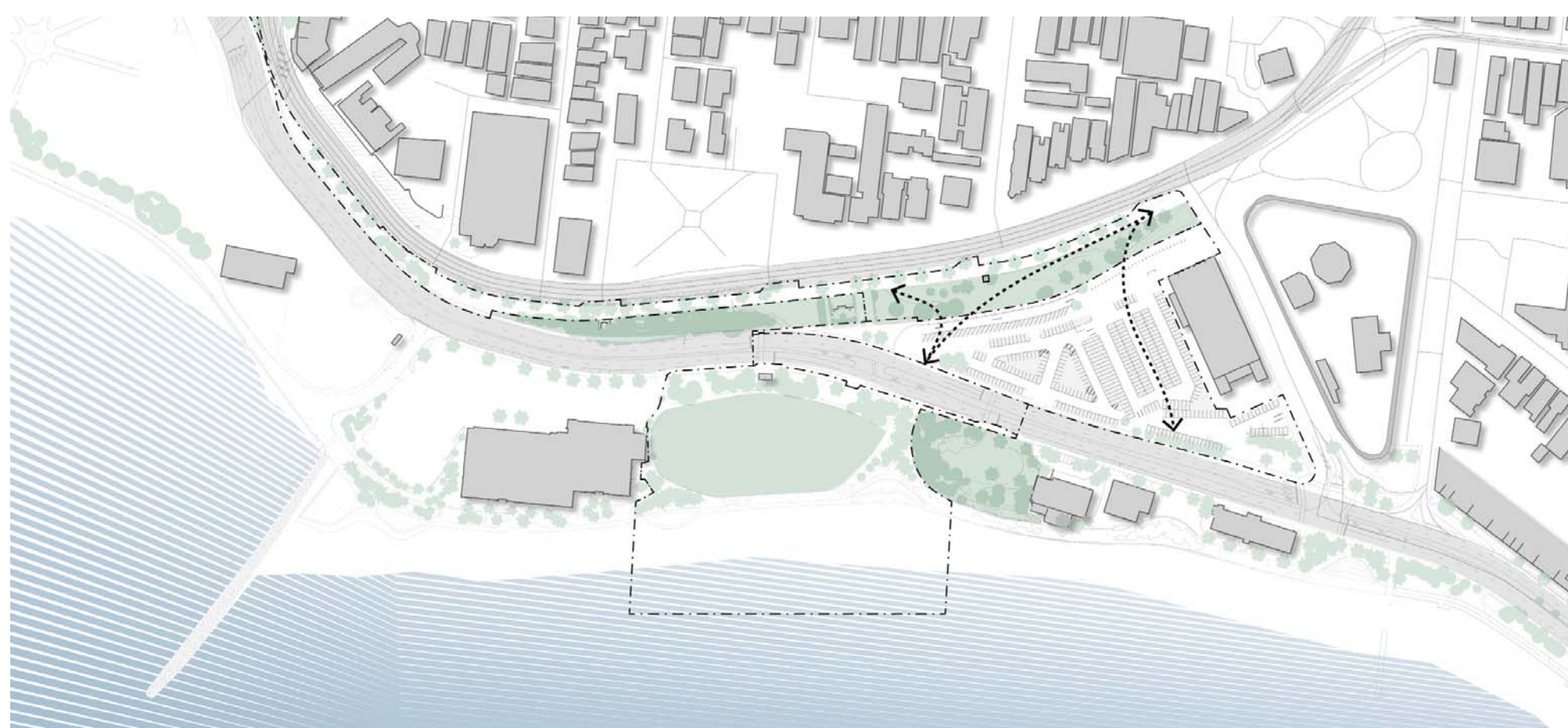


#### ST KILDA'S PAST: UNDEVELOPED POTENTIAL

St Kilda's seaside location on Port Phillip Bay has always been a special place, but over time public spaces around St Kilda Triangle have become fragmented and disconnected. The Hydro-Solar Generator activates and links these underutilized spaces, connecting city to bay, people to place, and resources to energy.

Integrating with and hovering over the site, the generator preserves views and important master plan functions through a visually porous structure. At the same time, it moves seawater and people to and from the bay's edge.



#### ST KILDA'S FUTURE: SOLAR-HYDRO MACHINE

Perched high above St Kilda Triangle, the Hydro-Solar Generator acts as a visual beacon for renewable energy, expressing the potential energy of hydro batteries. At sundown, when the hydro battery is fully "charged," the movement of water propels two turbines, providing clean energy to the grid. The release of water is a lively community event, demonstrating the full potential of St Kilda's natural resources.

St Kilda's Solar-Hydro Machine stands as a new model for renewable energy storage, demonstrating that batteries can be renewable and non-toxic. A battery solution that incorporates ocean water could be extended to coastal cities across Australia and the world, positively impacting the global landscape of renewable energy deployment.

