



## LARKIN STREET SUBSTATION EXPANSION

*Posted on July 25, 2022 by xavigonzalez*



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Larkin Street Substation Expansion

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The newly completed electrical switchgear building is the first Net Zero Energy (NZE) targeted electrical substation building in the United States. Tucked midblock on Eddy Street between Larkin and Hyde in San Francisco, the steel frame concrete structure is a modern addition to the existing historic 1962 substation building designed by PG&E to supply power to the northeastern part of the city.



Sloped panels embedded with lighting fixtures pulsate across the building at night, expressing the City's dynamic electrical power grid. The west-facing green wall, planted in a geometric pattern that

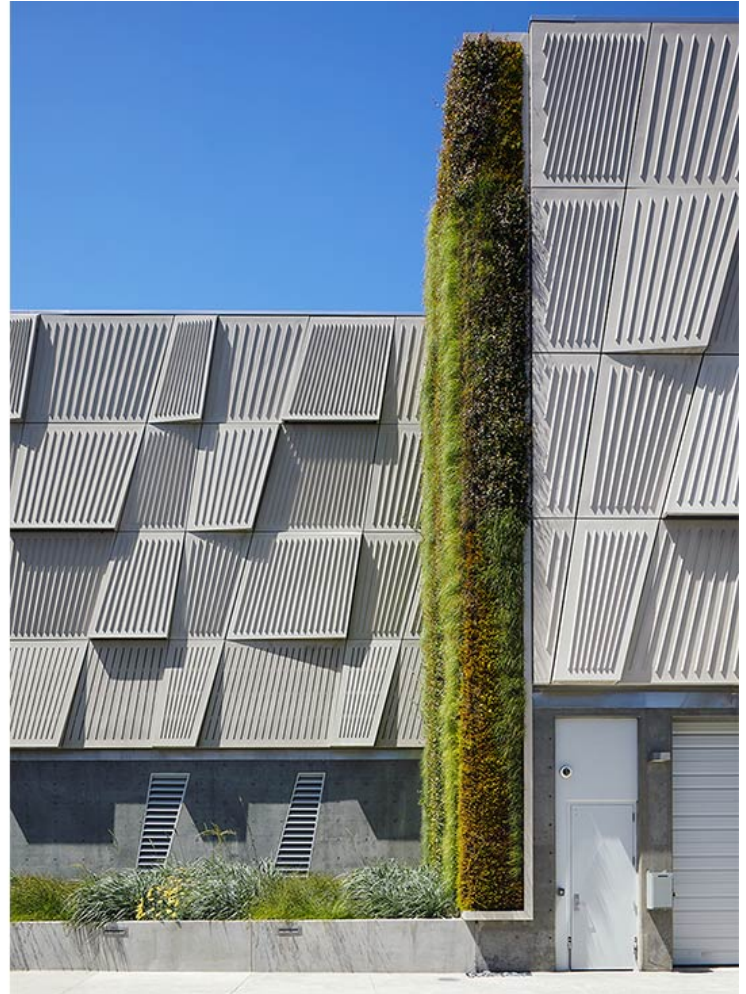
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echoes the faceted concrete walls, provides biophilic relief to the urban block while asserting its contribution to green values. A fine-grained metal mesh provides a transition between the existing and new addition and is also used to bookend the façade.



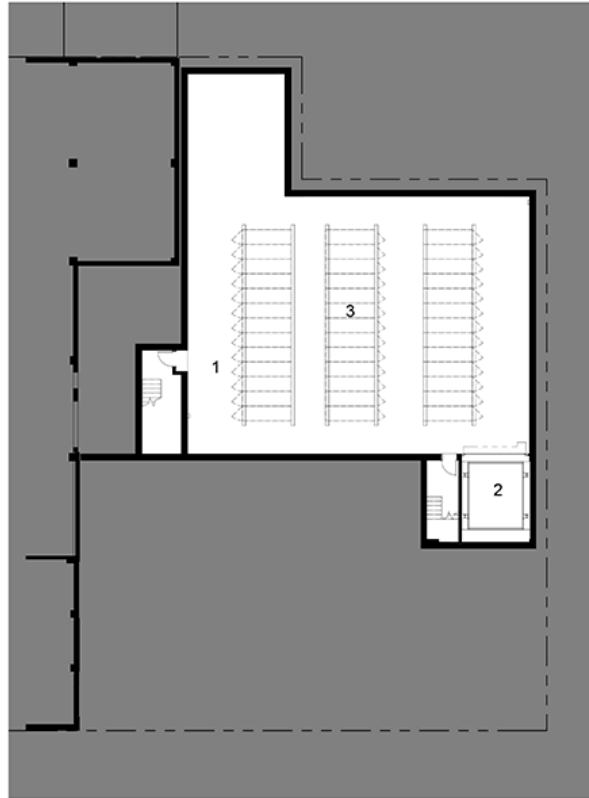
The PG&E Larkin Substation addition is the first targeted net-zero electrical switchgear utility building to get a rating from the International Living Future Institute's (ILFI) Living Building Challenge. The design team collaborated with ILFI in order to establish a rating system for registering the unprecedented building type.

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## LARKIN STREET SUBSTATION EXPANSION | FLOOR PLAN

BASEMENT PLAN

- 1 SWITCHGEAR ROOM
- 2 VERTICAL MECHANICAL LIFT
- 3 ELECTRICAL EQUIPMENT



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