

Publication

Transmission weaves through a complex urban web

Public Service Electric and Gas Co.'s (PSE&G) complex Bergen-Linden Corridor project, placed into service in June 2018, required a high degree of collaboration and attention to detail to deliver the project successfully. Constructed in three phases to address high transmission system fault currents and overloads, the $1.2 billion project consisted of building new 345-kV stations as well as overhead and underground facilities in a 22-mile-long corridor running from Bergen County, New Jersey, to Linden, New Jersey.

Important steps to success included involving stakeholders upfront, quickly determining design criteria, and getting the routing studies and engineering done early. The dense populations of Elizabeth and Bayonne required the underground cable to thread through a complex network of water, gas, and sewer lines as well as electric, television, and telephone cables. It also meant digging up lots of road paving, rerouting traffic, and making numerous crossings of the New Jersey Turnpike, railroad tracks, and Newark Bay.

Haley & Aldrich was responsible for obtaining permitting and jurisdictional approvals for each municipality. In conjunction with a driller, Haley & Aldrich also devised a special drilling and sampling procedure to optimize geotechnical, environmental, and groundwater permeability testing sequences for 168 soil borings ranging between 15 and 80 feet deep within city streets and private properties.

Click here to read the T&D World article on how this award-winning project team used collaboration, stakeholder engagement, and exceptional planning to complete the project ahead of schedule.

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