

## 'Substation In A Box' Meets Tampa Electric Company's Needs

*"The 'substation in a box' solution cut my construction time by 20%, required a smaller footprint, was aesthetically pleasing, and allowed me to devote my crew to other critical tasks."*

### Customer

Tampa Electric Company

### Situation

Tampa Electric Company experienced two significant substation events: switchgear breaker operation failures and a transformer failure that destroyed the substation switchgear.

### Customer's Need

The utility needed to replace its switchgear and substation.

### Eaton's Solution

Eaton provided a full turnkey solution, replacing the gear in the first incident and providing an Integrated Power Assembly, informally called 'substation in a box', in the second incident. This solution places the entire medium voltage switchgear and control package in a climate controlled metal enclosure. Eaton's Service Division offered turnkey substation installation. [Integrated Power Assembly Product Brochure](#)

### To learn more about utility solutions contact:

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### Story

Tampa Electric Company's switchgear at its Harbour Island facility repeatedly failed to operate. The utility was looking for a switchgear replacement solution that had a quick turn around time and fit the existing footprint. The utility was also looking for someone with technical expertise to install the switchgear. Having had previous experience with Eaton's services, the customer was receptive to the Eaton representative's turnkey solution. The utility chose Eaton's complete and thorough solution over a competing manufacturer's proposal.

The utility was so satisfied with Eaton's performance that when one of its transformers failed and destroyed a second substation, it immediately turned to Eaton for a solution. As was the situation before, the customer needed a quick turn around time and a compact solution to fit the existing space and meet the footprint requirements. Due to the surrounding high-end

neighborhood, the utility also needed the installation to have a low visual impact. Finally, the utility wanted to minimize labor requirements to be able to devote its labor to other critical tasks.

Eaton's 'substation in a box' solution met all of the utility's needs and Tampa Electric Company was once again satisfied with Eaton's performance.

### Customer Benefits

- **Saved manpower**
- **Met existing footprint requirements**
- **Satisfied the neighborhood's low visual impact needs**
- **Reduced the installation time required for a conventional open-air substation by 20%**
- **Met time constraint with short construction period**
- **Installed the equipment easily because it was pre-tested and delivered directly to the job site**

### Take Action

Today utilities are finding an increasing need to fit substations into smaller spaces, reduce construction time, and meet neighborhood pressures to reduce visual impact. Eaton's [Integrated Power Assembly](#) can help utilities meet these needs.

Tampa Electric Company is committed to Eaton's 'substation in a box'. Look to Eaton for innovative solutions that will add value to your business.

*"Eaton has been a great support to Tampa Electric Company and has played a key role in assisting us with our reliability needs."*

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