
Subject: FW: Ponce FPL Undergrounding Costs
Attachments: image001.jpg

From: "Kephart, Glenn" <gkephart@coralgables.com>
Date: July 29, 2014 at 5:43:14 PM EDT
To: "Olazabal, Carmen" <colazabal@coralgables.com>
Subject: FW: Ponce FPL Undergrounding Costs

Carmen,

Listed below is a summary of Stantec's review of FPL's undergrounding proposal. Stantec has indicated that FPL's estimated costs appear to be within an acceptable range. We do not yet have a final summary report from Stantec, however the findings listed below, should not change. In addition to reviewing the cost estimate, Stantec's review considered constructability issues associated with the project. More detail on this will be provided in the final report, but they have not identified any significant issues.

Glenn

From: Compel, Sean [mailto:sean.compel@stantec.com]
Sent: Tuesday, July 29, 2014 5:26 PM
To: Kephart, Glenn
Cc: Castella, Ramon
Subject: Ponce FPL Undergrounding Costs

Glenn,

FPL has provided 3 cost estimates for the proposed underground work along Ponce de Leon Boulevard and they can be briefly described as follows:

1. Estimate to underground new 230 kV line and leave all existing overhead facilities in place - \$34.2 million
2. Estimate to underground new 230 kV line, underground existing 138 kV line, and remove existing 138 kV overhead - \$51.2 million
3. Estimate to underground two portions of new 230 kV, underground existing 138 kV, and remove existing 138 kV overhead line, (from edge of City limits to nearby electrical sub-station) - \$6.0 million

We have reviewed FPL's estimates and overall we find that the project cost is within an acceptable range for this type of work. Some supporting information includes

- Material costs are in line with prices we have seen in similar recent applications.
- The quantities of material are consistent with the plans provided.
- The costs included for restoration of pavement, concrete, and landscaping are adequate.
- The contingency is sufficient for this scope of project.
- When compared to a pipeline (linear infrastructure) project, say a new large diameter watermain or forcemain installation, which is very similar in nature, the overall cost on a per mile basis is in line with known Miami-Dade Water and Sewer Department project costs.

The one item we would like to examine further is the credit offered for the avoidance of the new 230 KV line. FPL has committed to providing a further breakdown for our review. Please let us know if you have any questions. Thank you.

Sean Compel, P.E., LEED AP

Stantec

901 Ponce de Leon Boulevard, Suite 900 Coral Gables FL 33134-3070

Phone: (305) 445-2900 ext 2230

Cell: (786) 502-0770

Fax: (305) 445-0869

sean.compel@stantec.com



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