

Service Installation Pilot Project

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Construction Advisory Board Meeting
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Background

The City is in process of piloting a new design standard for underground residential services in subdivisions

Reduce installation costs

Reduce installation time

Make service installations more efficient

Current Practice

City Contractor installs electrical substructure



Customer installs meter canister and riser



Customer calls utility and waits for availability for installation



Linemen trench and install Cable in Conduit (CIC)

- A minimum crew of 3 at a average time of 3 hours

Proposed Changes

City Contractor installs electrical substructure

- Installs a stub from the secondary handhole



Customer installs meter canister and riser

- Customer also installs conduit from the riser to the stub at secondary handhole



Linemen install secondary cable in conduit and connect service

- A crew of 2 at a average time of less than 1 hour





Final grade: Conduit stub is marked by red painted posts.

Benefits

- * Timing
 - * Coordination and timing of conduit installation is under the control of the developer/contractor
 - * Service installation by electric crews takes less time and can be done with minimal disruption to landscape and other construction
- * Cost reduction
 - * Trenching and empty conduit can be installed by any qualified person (not just electric crews), saving labor costs
 - * Electric crews only need to visit the premise once to connect services, saving labor costs
- * Consistency
 - * In line with standard industry practice
 - * Consistent with Longmont, Poudre Valley REA and Xcel policy

Costs

Current Service Installations Cost (average)

* Material:	\$94
* Labor & Vehicle:	\$642
* Total:	\$736

Proposed Service Installation Costs

* Estimated installation cost for utility	
* Material:	\$80
* Labor & Vehicle:	\$200
* Total:	\$280
* Estimated installation cost for contractor	
* Material:	\$100
* Labor & Vehicle:	\$120
* Total:	\$220

Estimated Net savings
to the customer:
\$236

Feedback and Questions?

Thank You!