From: Cherry, Brian K
Sent: 9/13/2011 6:41:22 PM
To: 'mike.florio@cpuc.ca.gov' (mike.florio@cpuc.ca.gov); Dasso, Kevin (/O=PG&E/OU=CORPORATE/CN=RECIPIENTS/CN=KXD4)
Cc: Bottorff, Thomas E (/O=PG&E/OU=CORPORATE/CN=RECIPIENTS/CN=TEB3)
Bcc:
Subject: RE: Cornerstone YFA Operation

I think the answer on the cost side is in Italian "il depende". It's not a pilot but a new approach to circuit design for us as we move toward automation (which was the basis of Cornerstone).

Kevin - can you give Mike an overview of this type of circuit and the average cost ? Could you extrapolate to do it for the whole system or in critical areas ?

From: Florio, Michel Peter [mailto:mike.florio@cpuc.ca.gov]
Sent: Tuesday, September 13, 2011 06:37 PM
To: Cherry, Brian K
Subject: RE: Cornerstone YFA Operation

Cool! How much does it cost to upgrade a circuit in this manner? Was this just a pilot project or is it in the works to expand systemwide? Mike

From: Cherry, Brian K [mailto:BKC7@pge.com]
Sent: Tuesday, September 13, 2011 4:19 PM
To: Florio, Michel Peter
Subject: FW: Cornerstone YFA Operation

FYI. Remember Cornerstone ? What would have been a major outage of several thousand customers turned into a momentary interruption of a few minutes. Thought you'd like to hear about this - it's going to be the future for us.

From: Dasso, Kevin
Sent: Tuesday, September 13, 2011 1:42 PM
To: Cherry, Brian K; Hughes, John (Reg Rel); Marre, Charles
Subject: FW: Cornerstone YFA Operation

Brian, John and Chuck,

Just thought you might like to know that we had an outage yesterday on one of the circuits where we have the Cornerstone automation technology installed. The system worked exactly as intended. As described below, the original event caused the circuit breaker to interrupt

service to 2,294 customers. In less than two minutes, power was automatically restored to the 1,774 customers in the unaffected areas.

Kevin

From: Redacted
Sent: Tuesday, September 13, 2011 11:58 AM
To: Redacted
Cc: Dasso, Kevin; Anderson, Barry
Subject: Cornerstone YFA Operation

Redacted

Here is the information I promised you regarding yesterday's Redacted outage and subsequent Yukon feeder automation operation. As noted in the outage log below, the event occurred at 09:55 on the Redacted 2225 circuit. A wire down incident caused the substation breaker to operate interrupting service to 2294 customers. Once the circuit was locked out, the Yukon system began working to restore power and automatically picked up 1774 customers onto the Redacted 2226 circuit by 09:57, thus converting what would have been a sustained outage for these customers to a momentary event.

In the midst of the switching, the Yukon system detected that one of the line reclosers that was part of this scheme had a "health" issue (was not operating properly) and correctly utilized an adjacent switching device to restore the customers.

Attached is a single line drawing of this scheme for your reference.

Please let me know if you have any questions or need further details.

Redacted

From: Redacted
Sent: Tuesday, September 13, 2011 7:28 AM
To: Redacted
Cc: Redacted
Subject: RE: YFA Operation

Redacted

Below is the 9/12 - ILIS report on the Redacted outage.

The momentary and sustained components of the outage were properly recorded. A downed wire occurred at 09:55 am on the Redacted 2225 breaker zone. The 2225 station breaker properly cleared the fault, resulting in a lockout condition; subsequently, 174 of 2294 customers were restored within 147 seconds, as a result of a YFA restoration, transferring customers from Redacted 2225 to Redacted 2226 circuit.

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