

### SAFETY NOTICE- LV service pillar Live Fixings

A customer received an electric shock from a low voltage service pillar in the Tauranga region.

The pillar was a plastic PVC service box located at the boundary to the customer's premises and adjacent to a walkway.

On inspection by fault staff it was found a fixing screw was live and measurement of voltage to earth was found to be 230V



Fault staff identified the PVC lid was secured with two screws only, the screws were metal TEK style fixed around the mid-point of the service box lid. The TEK screw had been tightened to protrude into the internal area of the service box pressing against a cable inside. Contact created a pin hole on the cable and the screw subsequently became live at phase voltage relative to earth potential.

The photographs above show the service box lid re-fixed correctly as per Powerco standard 393S025 "corrective maintenance and replacement of low voltage service boxes"

# SAFETY NOTICE

NOTICE TO ALL NETWORK STAKEHOLDERS



Powerco are considering alternative fixings to metal TEK screws. In the meantime it is timely to remind all staff and contractors who access LV service Pillars that fixings must completely align with Powerco standard 393S025 corrective maintenance and replacement of low voltage service boxes.

## With Immediate effect

- Ensure that prior to any work on service pillars fixing are tested for stray voltages relative to earth and between fixings screws
- Ensure that at completion of work or inspection all fixing screws are tested for stray voltages relative to earth and between fixings screws

At all times operational staff should adhere to the following four point practice;

<b>STOP</b>	<i>Take time to think and carry out the necessary checks and testing before performing any operation.</i>
<b>THINK</b>	<i>Identify and think about the state of equipment and consequence of operation.</i>
<b>CHECK</b>	<i>Carry out the necessary checks.</i>
<b>TEST</b>	<i>Perform any necessary Testing.</i>

**Please ensure this safety notice is discussed and brought to the attention of all operational staff immediately.**

**Please contact Phil Marsh Powerco NOC 06 759 6636 if you have any questions regarding this safety notice.**