

## Stray-Voltage Survey

Recent fatalities and injuries caused by contact with electrified streetlight poles, service boxes, and other facility structures have prompted utilities to conduct surveys that isolate stray voltage. Some of these surveys have been undertaken voluntarily. Others have been mandated by a PUC or other regulatory body. Either way, stray-voltage surveys have become a necessary means of detecting this "invisible risk" in urban, residential, and rural settings alike.

Osmose® is currently conducting field surveys designed to identify instances of stray voltage. In conducting such a survey, Osmose field crews will inspect targeted structures and document stray-voltage conditions. When a structure exhibits dangerous levels of stray current, the Osmose crew will record this fact, notify the utility immediately, and secure the site until utility personnel arrive. The two main objectives of these stray-voltage surveys are: (1) to ensure the safety both of the public and of utility personnel, and (2) to satisfy PUC or other regulatory safety requirements. Osmose helps utilities meet both objectives quickly and effectively.

### Osmose Differentiators

What makes an Osmose Stray-Voltage Survey different from others?

- o Nationally deployed field survey teams with broad experience and training in asset inspection and data collection
- o Prompt, professional inspection of overhead and underground stray-voltage conditions
- o Advanced data-collection software that allows field-deployment of existing data from GIS, customer, equipment, and other databases
- o Repeatable process that results in ongoing savings for the utility
- o Ability to handle data sets of any size, from targeted network regions to full service territories
- o Inspection schedule that meets target completion requirements
- o Documentation, recordkeeping, and reporting consistent with regulatory stipulations
- o Delivery of accurate data in spatial, table, or other format required by the target GIS or data repository

### Why Perform a Stray-Voltage Survey?

Reasons for performing a stray-voltage survey include the following:

- o To enhance safety for customers, field personnel, and domestic animals
- o To satisfy safety commitments as mandated by a PUC or other regulatory body
- o To provide detailed location and condition information to facilitate follow-up work
- o To make you aware of specific stray-voltage sites that are present at the time of inspection
- o To protect and improve a utility's image in the public eye
- o To capture stray-voltage information while performing another field survey such as joint use or asset inventory
- o To avoid negative rate adjustments imposed for failure to comply



## Osmose®

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Stray-voltage inspections are accurate as of the time they are performed. Facility structure owners must be aware that post-inspection surges or other third-party events may create stray voltage soon after the inspection is complete.

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