



**GENERAL ORDER 165**

**UTILITY MAINTENANCE MANAGEMENT SYSTEM**

**REPORT FOR**

**2014**

This report presents the results of annual inspection and maintenance of electric distribution facilities of the City of Moreno Valley's Electric Utility (MVU) covering the period from January 1, 2014 to December 31, 2014.

MVU's electronic Utility Maintenance Management System (UMMS) is used to collect all data subject to GO 165. Each month, UMMS prepares a report showing the various pieces of equipment that are due for inspection or maintenance the following month based on the original equipment installation date recorded on UMMS or the date of the last inspection or maintenance of a specific piece of equipment. The report identifies the required equipment maintenance or inspections by structure or equipment number and is also documented in MVU's GIS maps. A handheld Mobile Data Terminal (MDT) is used by field personnel to record all inspections and maintenance of each item of equipment. The data from the MDT is up-loaded daily to the UMMS. The maintenance history is archived for each piece of equipment in UMMS. A monthly report is generated from UMMS that identifies any equipment that may be overdue for inspection or maintenance for immediate follow-up.

All items requiring repair and maintenance were addressed and corrected as they were identified. The only type of equipment that required maintenance were street lights.

## **Summary**

MVU's aim during General Order 165 inspections is to plan, report and maintain electrical grid equipment in a timely manner in accordance with General Order guidelines.

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**MAINTENANCE**

**2014 REPORT**

Main Category	Type of Equip./ Structure	Total Structures	Scheduled for Inspection in 2014	Percent Scheduled for Inspection in 2014	Types of Inspections		Maintenance	Total inspected in 2014	Percentage Scheduled and Inspected in 2014
					Patrol	Detail			
<b>Below Ground Equipment</b>									
	Fuse Cabinets	5	3	60.00%	2	1	0	3	100.00%
	Gas Switch	11	7	63.64%	0	7	0	7	100.00%
	Burd Transformer	2	2	100.00%	0	2	0	2	100.00%
<b>Surface Mounted Equipment</b>									
	Capacitors	25	14	56.00%	11	3	0	14	100.00%
	Interconnect	5	5	100.00%	5	0	0	5	100.00%
	Switch	131	79	60.31%	78	1	0	79	100.00%
	Transformer	681	361	53.01%	351	10	0	361	100.00%
	Pad Mounted Junction	1	1	100.00%	1	0	0	1	100.00%
<b>Vaults and Substructure Enclosures</b>									
	Structures (MH, PB/SB, V)	332	12	3.61%	0	12	0	12	100.00%
<b>Street Lighting</b>									
	Street Light	1716	1575	91.78%	1575	0	116	1575	100.00%

## MVU CMP INSPECTION CYCLES

### MVU Inspection Cycles (Maximum Intervals in Years)

	PATROL Urban	DETAILED Urban
Below Ground Equipment		
Blowers and Thermostat	N/A	N/A
Fuse Cabinets	Annual	YEAR 3
Transformers	Annual	YEAR 3
Surface Mounted Equipment		
Pad Mounted Capacitors	Annual	YEAR 5
Pad Mounted Transformers	Annual	YEAR 5
Pad Mount Fuse/ Switch	Annual	YEAR 5
Vaults and Substructure Enclosures		
Structures	With Equipment	
Cable	With Equipment	
Terminations	With Equipment	
Splices	With Equipment	
Street Lighting	Annual	

\*Patrol is defined as a simple visual inspection that is designed to identify obvious problems and hazards as well as GO 95 and GO 128 infractions.

\*\*Detailed inspection is defined as one where individual pieces of equipment and structures are carefully opened and examined.

NOTE: MVU has no overhead facilities.