

# Rolla Board of Public Works

January 27, 2015



# Reliability Statistics

Rolla Municipal Utilities - Yearly Reliability Report		2014
Outage Statistics	ASAI (%)	99.9926
(12 month rolling average)	CAIDI (Long) (min)	20.533
	SAIDI (Long) (min)	70.486
	SAIFI (Long) (ints/total cust)	1.817
	SAIFI (All-in)	3.433
ASAI - Average Service Availability Index (customer minutes available/total customer minutes, as a %)		
CAIDI - Customer Average Interruption Duration Index (average minutes interrupted per interrupted customer)		
SAIDI - System Average Interruption Duration Index (average minutes interrupted per customer for all customers)		
SAIFI (Long) - System Average Interruption Frequency Index (# of long interruptions per customer for all customers)		
SAIFI (All-in) - System Average Interruption Frequency Index (# of interruptions per customer for all customers)		

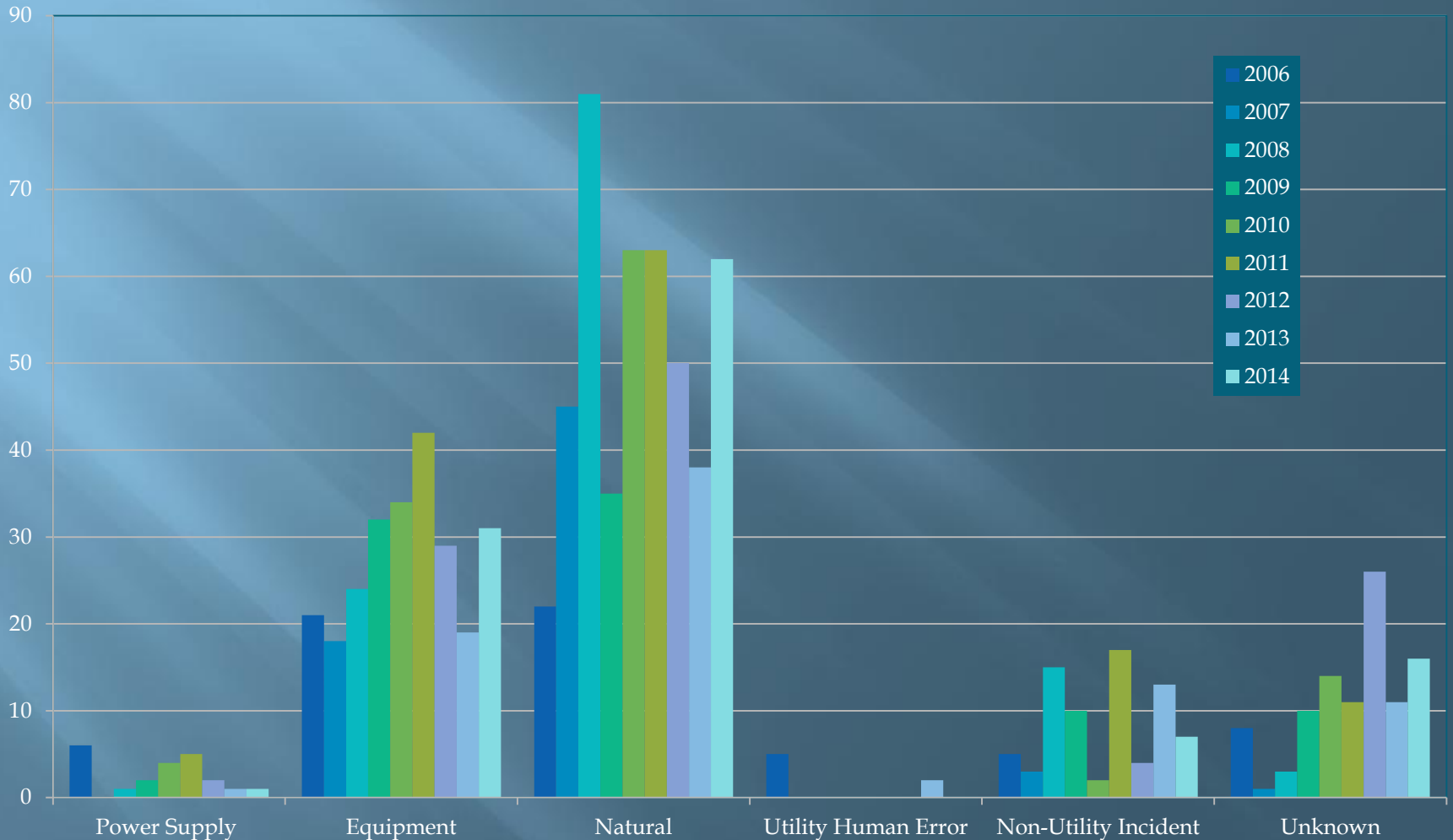
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Outage Causes	'06	'07	'08	'09	'10	'11	'12	'13	'14	Change '13-'14
Power Supply	6	0	1	2	4	5	2	1	1	0%
Equipment	21	18	24	32	34	42	29	19	31	63%
Natural	22	45	81	35	63	63	50	38	62	63%
Utility Human Error	5	0	0	0	0	0	0	2	0	-200%
Non-Utility Incident	5	3	15	10	2	17	4	13	7	-46%
Unknown	8	1	3	10	14	11	26	11	16	45%
Totals	65	67	124	89	117	138	111	84	117	39%

Scheduled outages not included.  
 Statistics based on calendar year.

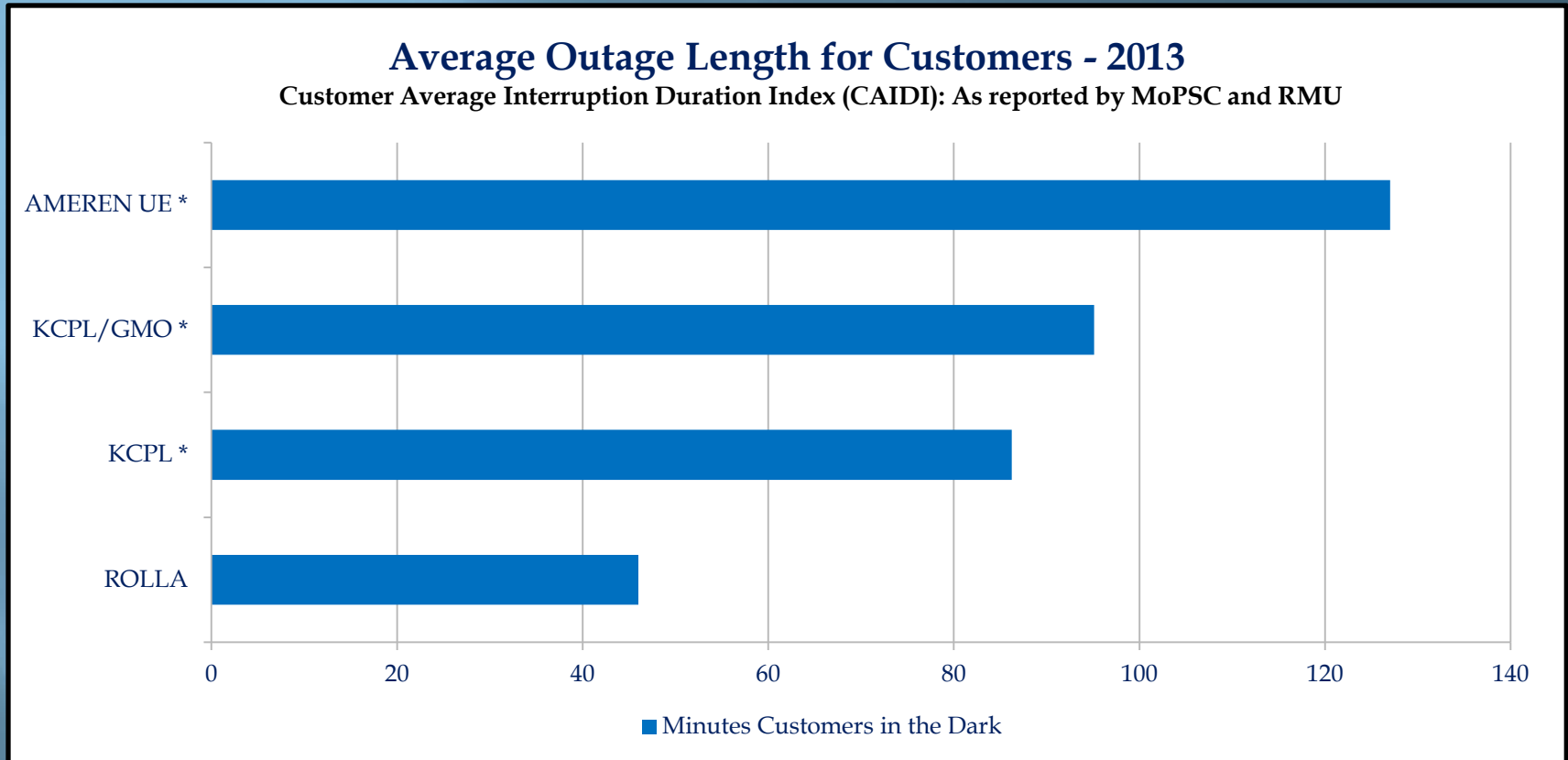
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## Outages By Cause



# Reliability Statistics

## Utility Health: Rolla Municipal Utilities



Customers wait in the dark less time than investor-owned systems.  
RMU's CAIDI for calendar year 2014 is 20.53 minutes.