City of Naperville DPU - Electric **OUTAGE SUMMARIES** April 2019

Total Customers this Month	59,758	Days of Month
Total Customer Minutes this Month	2,581,545,600	30

Outage Totals				
		This Month	This Month Last Year	
Unsche	duled Outages			
Long	# Outages	7	9	
	# Customers Out	373	2053	
	# Minutes Out	799	2397	
	# Customer Minutes Out	29,281	64568	
	# Within City System	7	9	
	# Supply to City Minutes	0	0	
Short	# Outages (Blinks)	0	0	
	# Customers Affected	0	0	
	# Within City System	0	0	
	# Supply to City Minutes	0	0	
Schedu	led Outages			
Long	# Outages	0	0	
	# Customers Out	0	0	
	# Minutes Out	0	0	
	# Customer Minutes Out	0	0	
	# Within City System	0	0	
	# Supply to City Minutes	0	0	
Short	# Outages (Blinks)	0	0	
	# Customers Affected	0	0	
	# Within City System	0	0	
	# Supply to City Minutes	0	0	
Totals				
Total Lo	ng Outages	7	9	
	ort Outages (Blinks)	0	0	
	stomers Out (Long)	373	2053	
Total Customers Affected (Short- Blinks)		0	0	
Total Customer Minutes Out		29,281	64568	
Total Ou	tages Within City System	7	9	
	tages in Supply to City	0	0	

Number of Outages (by Cause)							
Cause	Description	Total This	This Month	Rolling			
#		Month	Last Year	AT			
0	Supply to City	0	0	0			
1	Overhead Equipment Failure	1	0	9			
2	Underground Equipment Failure	2	7	81			
3	Weather	0	0	6			
4	Birds, Animals, Snakes, etc.	2	1	19			
5	Trees	0	0	13			
6	Foreign Interference	0	0	0			
7	Human	0	1	8			
8	Other	0	0	1			
9	Unknown	1	0	10			
10	Vehicle	1	0	4			
	Total	7	9	151			

12 Month Outage Statistics				
Index	As of This Month	As of This Month Last Year		
ASAI (%)	99.9959	99.9967		
CAIDI (Long) (min)	68.16	53.33		
SAIDI (Long) (min)	21.61	17.13		
SAIFI (Long) (ints/tot cust)	0.32	0.32		
SAIFI (Short) (ints/tot cust)	0.00	0.00		

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 (Short) - System Average Interruption Frequency Index

(# of short interruptions per customer for all customers)