

GRU Distribution Reliability Report

Today's Date: 09/13/2016

Report Date Range: from 08/01/2016 to 08/31/2016

Excludes Extreme Weather and Generation/Transmission Disturbances

CUSTOMER DATA

Monthly Average Customers Served(C) 93000
 Total Hours of Customer Demand 69,192,000
 Total Number of Outages 92
 Total Number of Customers Affected (CI) 11,384
 Total Customer Minutes Interrupted (CMI) 14,954,092
 Total Customer "Out Minutes" 48,851
 Tot Cust Momentary Interruption Events (CME) 5,972

RELIABILITY INDICIES

Average Service Availability Index (ASAI) **99.6398%**
 System Average Interruption Duration Index (SAIDI) 160.80 Mins
 Customer Average Interruption Duration Index (CAIDI) 1,313.61 Mins
 System average Interruption Frequency Index (SAIFI) 0.12
 Momentary average Interruption Event (MAIFIe) 0.06
 Average Length of a Service Interruption (L-Bar) 531 Mins

Guide for Power Distribution Reliability Indices

Outage Duration Times

Average Hours **8.8**
 Maximum Hours **633.7**
 Minimum Hours **0.1**

Circuit Breaker Operations

RCL Sequences **4**
 Trips **12**
 Lockouts **5**

Recloser Operations

RCL Sequences **3**
 Trips **3**
 Lockouts **3**

Cause of Outages				
Cause	Overhead	Underground	Undetermined	Total
1. Weather	7	1	4	12
2. Vegetation	43	1	1	45
3. Animals	6	0	0	6
4. Foreign Interference	0	0	0	0
5. Human Cause	2	1	0	3
6. Undetermined	5	3	0	8
7. Equipment Failure	4	12	1	17
8. All Remaining Outages	1	0	0	1
Total	68	18	6	92
9. Planned Outage	3	14	0	17
10. Partial Outage	NA	NA	NA	NA