

Q. Provide data for the past 5 years (2009 – 2013) on the number of outages, CAIDI and SAIFI for each of the 28 cause codes indicated in the response to PUB-NP-154.

A. CAIDI by cause code for the period 2009 to 2013 is shown in Table 1.

Table 1
CAIDI By Cause Code

Normal Operations	2009	2010	2011	2012	2013
Animals	1.45	2.56	0.59	1.26	1.60
Birds	1.42	0.85	1.46	1.45	1.19
Damages Outside Party	1.97	2.41	1.82	1.58	4.25
Employee Operating Error	0.14	0.03	0.28	0.55	0.23
Equipment Failure	1.79	1.66	1.87	1.55	1.35
Fire	1.06	0.77	0.96	1.22	2.91
Flooding	0.00	1.50	0.00	0.00	0.00
Generating Plant or System Problems	0.25	0.82	1.69	1.14	0.80
Improperly Installed Equipment	1.20	1.94	2.91	1.73	0.64
Lightning	0.51	1.45	0.49	2.15	1.15
NLH System Problems	0.34	2.71	0.71	1.27	4.69
NP System Problems	0.43	0.39	0.90	0.64	2.00
Other	1.10	5.30	1.47	1.87	2.00
Overloaded Equipment	1.05	0.49	2.02	1.67	4.58
Plant Upgrades	1.48	2.33	1.73	0.47	1.88
Preventative Maintenance or Repair	0.80	1.51	1.31	1.64	1.20
Salt Spray	2.72	2.01	0.51	3.64	11.13
Sleet	1.29	2.50	3.63	2.53	4.43
Snow	2.17	1.93	0.90	1.93	1.20
Trees in Line	2.05	1.90	1.20	1.31	1.13
Under Frequency	0.05	0.05	0.09	0.11	0.88
Underground Dig In	0.00	0.00	0.00	0.00	0.00
Unexplained	0.64	0.63	1.34	0.94	1.14
Vandalism	0.10	0.00	1.46	0.00	1.50
Vehicles Causing Damage	8.88	4.36	1.50	1.38	0.71
Water in Equipment or Vaults	0.00	0.00	0.00	2.42	0.00
Wind	1.29	1.92	1.00	1.88	1.08

SAIFI by cause code for the period 2009 to 2013 is shown in Table 2.

Table 2
SAIFI By Cause Code

Normal Operations	2009	2010	2011	2012	2013
Animals	0.01	0.00	0.01	0.01	0.00
Birds	0.01	0.07	0.03	0.03	0.03
Damages Outside Party	0.06	0.07	0.04	0.05	0.01
Employee Operating Error	0.03	0.02	0.04	0.03	0.01
Equipment Failure	0.61	0.50	0.60	0.61	0.63
Fire	0.03	0.03	0.02	0.03	0.03
Flooding	0.00	0.00	0.00	0.00	0.00
Generating Plant or System Problems	0.18	0.05	0.03	0.14	0.06
Improperly Installed Equipment	0.00	0.00	0.00	0.00	0.00
Lightning	0.12	0.07	0.02	0.09	0.08
NLH System Problems	0.32	0.10	0.07	0.69	1.43
NP System Problems	0.03	0.02	0.03	0.01	0.01
Other	0.06	0.02	0.12	0.05	0.04
Overloaded Equipment	0.02	0.01	0.02	0.00	0.02
Plant Upgrades	0.21	0.18	0.15	0.17	0.08
Preventative Maintenance or Repair	0.23	0.25	0.16	0.14	0.15
Salt Spray	0.00	0.01	0.03	0.01	0.01
Sleet	0.09	0.02	0.02	0.02	0.01
Snow	0.03	0.01	0.04	0.03	0.05
Trees in Line	0.10	0.10	0.10	0.09	0.08
Under Frequency	0.15	0.09	0.07	0.07	0.35
Underground Dig In	0.00	0.00	0.00	0.00	0.00
Unexplained	0.05	0.08	0.08	0.06	0.07
Vandalism	0.00	0.00	0.04	0.00	0.00
Vehicles Causing Damage	0.00	0.00	0.01	0.05	0.04
Water in Equipment or Vaults	0.00	0.00	0.00	0.00	0.00
Wind	0.12	0.12	0.12	0.08	0.12