OutageRecID	TroubledElement	Substation	Feeder	OutageStartTime	OutageEndTime	InterruptionDuration (minutes)	Voltage (kV)	Cause	CustomersAffected	NERC Category
2024-05-30-5079	R27300 (OFFICE)	Black Ankle (27000)	Ckt 3	5/30/2024 9:46 PM	6/1/2024 4:35 PM	2569	7.2/12.47	422 Dead Tree	136	Blow In
2024-05-30-5116	R14100 (FR1 NORTH)	Bronson (14000)	Ckt 1	5/30/2024 10:06 PM	5/31/2024 11:57 AM	831	7.2/12.47	421 Green Tree	354	Blow In
2024-05-31-5270	R14300 (FR1 SOUTH)	Bronson (14000)	Ckt 3	5/31/2024 12:24 AM	6/1/2024 5:33 PM	2469	7.2/12.47	421 Green Tree	124	Blow In
2024-06-04-3237	R14400 (BRONSON)	Bronson (14000)	Ckt 4	6/4/2024 2:03 PM	6/4/2024 3:14 PM	71	7.2/12.47	422 Dead Tree	342	Blow In
2024-05-31-5448	R26300 (96 SOUTH)	Center South (26000)	Ckt 3	5/30/2024 9:56 PM	5/31/2024 1:49 PM	953	7.2/12.47	421 Green Tree	959	Blow In
2024-06-01-0466	R06200 (59 NORTH)	Central Heights (6000)	Ckt 2	6/1/2024 6:16 PM	6/2/2024 10:54 AM	998	7.2/12.47	421 Green Tree	568	Blow In
2024-05-30-3905	R06500 (PLEASANT HILL)	Central Heights (6000)	Ckt 5	5/30/2024 6:31 PM	5/30/2024 10:32 PM	241	7.2/12.47	421 Green Tree	440	Blow In
2024-05-31-5299	R35200 (87 NORTH)	Fairmount (35000)	Ckt 2	5/31/2024 1:50 AM	6/1/2024 7:53 AM	1803	7.2/12.47	421 Green Tree	188	Blow In
2024-05-31-5295	R35400 (FM3315)	Fairmount (35000)	Ckt 4	5/31/2024 1:47 AM	5/31/2024 7:45 PM	1078	7.2/12.47	421 Green Tree	1309	Blow In
2024-06-04-3113	R05100 (GARRISON)	Fitze (5000)	Ckt 1	6/4/2024 11:32 AM	6/4/2024 12:15 PM	1460	7.2/12.47	421 Green Tree	1297	Blow In
2024-05-31-5819	R18200 (87S/FM944)	Hemphill (18000)	Ckt 2	5/30/2024 7:36 PM	6/1/2024 4:12 PM	2676	7.2/12.47	421 Green Tree	191	Blow In
2024-05-31-5821	R18400 (BRONSON)	Hemphill (18000)	Ckt 4	5/31/2024 8:54 PM	6/3/2024 7:01 PM	4207	7.2/12.47	421 Green Tree	130	Blow In
2024-06-02-1771	R12300 (SOUTH JERICHO)	Hilltop (12000)	Ckt 3	6/2/2024 2:18 PM	6/2/2024 4:00 PM	102	7.2/12.47	421 Green Tree	259	Blow In
2024-05-30-4945	R22100 (FM711/21WEST)	Holly (22000)	Ckt 1	5/30/2024 9:15 PM	5/30/2024 10:43 PM	88	7.2/12.47	421 Green Tree	749	Blow In
2024-05-30-4943	R22200 (147 NORTH)	Holly (22000)	Ckt 2	5/30/2024 9:14 PM	5/31/2024 12:14 AM	180	7.2/12.47	421 Green Tree	440	Blow In
2024-05-30-5026	R22300 (MIDCOAST)	Holly (22000)	Ckt 3	5/30/2024 9:29 PM	5/30/2024 10:43 PM	74	7.2/12.47	421 Green Tree	42	Blow In
2024-05-30-4391	R19100 (BROOKELAND)	Horton Hill (19000)	Ckt 1	5/30/2024 7:40 PM	5/31/2024 11:09 AM	929	7.2/12.47	421 Green Tree	1168	Blow In
2024-06-03-2667	R19100 (BROOKELAND)	Horton Hill (19000)	Ckt 1	6/3/2024 11:32 AM	6/3/2024 2:28 PM	176	7.2/12.47	421 Green Tree	1166	Blow In
2024-05-30-4714	R19300 (FM1007)	Horton Hill (19000)	Ckt 3	5/30/2024 7:55 PM	5/31/2024 1:34 AM	339	7.2/12.47	421 Green Tree	863	Blow In
2024-06-03-2657	R19300 (FM1007)	Horton Hill (19000)	Ckt 3	6/3/2024 11:31 AM	6/3/2024 2:28 PM	177	7.2/12.47	421 Green Tree	863	Blow In
2024-06-01-0510	R20200 (DREKA)	Hurstown (20000)	Ckt 2	6/1/2024 7:52 PM	6/1/2024 9:05 PM	73	7.2/12.47	421 Green Tree	502	Blow In
2024-06-02-1619	R20200 (DREKA)	Hurstown (20000)	Ckt 2	6/2/2024 12:47 PM	6/2/2024 7:51 PM	424	7.2/12.47	421 Green Tree	502	Blow In
2024-05-30-5064	R20300 (PATROON)	Hurstown (20000)	Ckt 3	5/30/2024 9:42 PM	5/30/2024 10:00 PM	18	7.2/12.47	421 Green Tree	315	Blow In
2024-05-30-4554	R03200 (HUXLEY)	Joaquin (3000)	Ckt 2	5/30/2024 7:36 PM	6/1/2024 9:02 PM	2966	7.2/12.47	421 Green Tree	354	Blow In
2024-05-30-4810	R28100 (TOLEDO VILLAGE)	Leach (28000)	Ckt 1	5/30/2024 8:06 PM	5/31/2024 4:31 PM	1225	7.2/12.47	421 Green Tree	802	Blow In
2024-05-30-3994	R10300 (FM95 SOUTH)	Martinsville (10000)	Ckt 3	5/30/2024 6:56 PM	5/31/2024 12:11 AM	315	7.2/12.47	421 Green Tree	133	Blow In
2024-05-31-5735	R09100 (MP OCRs NORTH)	Oak Ridge (9000)	Ckt 1	5/30/2024 6:43 PM	6/1/2024 7:21 PM	2918	7.2/12.47	421 Green Tree	79	Blow In
2024-05-30-3948	Oak Ridge (9000)	Oak Ridge (9000)	Ckt 2	5/30/2024 6:43 PM	5/31/2024 5:58 PM	1395	7.2/12.47	421 Green Tree	393	Blow In
2024-05-30-4324	R16100 (FM1)	Pineland (16000)	Ckt 1	5/30/2024 7:32 PM	5/31/2024 12:01 AM	269	7.2/12.47	421 Green Tree	604	Blow In
2024-06-01-0321	R16100 (FM1)	Pineland (16000)	Ckt 1	6/1/2024 5:24 PM	6/2/2024 8:04 AM	880	7.2/12.47	421 Green Tree	605	Blow In
2024-05-30-4773	R16200 (BROOKELAND)	Pineland (16000)	Ckt 2	5/30/2024 8:01 PM	5/31/2024 7:57 AM	716	7.2/12.47	421 Green Tree	140	Blow In
2024-05-30-4737	R16400 (96 NORTH)	Pineland (16000)	Ckt 4	5/30/2024 7:43 PM	5/30/2024 10:50 PM	187	7.2/12.47	421 Green Tree	179	Blow In
2024-05-30-5099	R13400 (21 WEST)	San Augustine (13000)	Ckt 4	5/30/2024 9:55 PM	5/30/2024 10:40 PM	45	7.2/12.47	421 Green Tree	273	Blow In
2024-06-04-3385	R33200 (FM1878)	Shady Grove (33000)	Ckt 2	6/4/2024 10:02 PM	6/5/2024 7:29 AM	567	7.2/12.47	421 Green Tree	285	Blow In
2024-05-30-3942	Shawnee Road (8000)	Shawnee Road (8000)	Ckt 1	5/30/2024 6:40 PM	5/30/2024 9:46 PM	186	7.2/12.47	421 Green Tree	404	Blow In
2024-06-01-0041	R21300 (87 NORTH)	Six Mile (21000)	Ckt 3	5/30/2024 11:01 PM	6/2/2024 7:25 PM	4104	7.2/12.47	421 Green Tree	221	Blow In
2024-05-30-3940	R04100 (CORINTH)	Timpson (4000)	Ckt 1	5/30/2024 6:40 PM	6/1/2024 7:41 PM	2941	7.2/12.47	421 Green Tree	428	Blow In
2024-06-02-1648	R04300 (STOCKMAN)	Timpson (4000)	Ckt 3	6/1/2024 6:24 PM	6/2/2024 5:19 PM	1375	7.2/12.47	422 Dead Tree	453	Blow In
2024-06-01-0349	R04400 (GARRISON)	Timpson (4000)	Ckt 4	6/1/2024 6:00 PM	6/2/2024 11:09 AM	1029	7.2/12.47	422 Dead Tree	132	Blow In
2024-05-30-4805	R17300 (SHANKLEVILLE)	Wiergate (17000)	Ckt 3	5/30/2024 8:06 PM	6/1/2024 10:54 AM	2328	7.2/12.47	421 Green Tree	78	Blow In

OutageRecID	TroubledElement	Substation	Feeder	OutageStartTime	OutageEndTime	InterruptionDuration (minutes)	Voltage (kV)	Cause	CustomersAffected	NERC Category
2024-07-08-0638	R07100 (GRAVEL RIDGE)	Bayou Loco (7000)	Ckt 1	7/8/2024 12:21 PM	7/9/2024 10:25 AM	1324	7.2/12.47	421 Green Tree	920	Blow In
2024-07-08-0629	R07200 (LAKE NAC.)	Bayou Loco (7000)	Ckt 2	7/8/2024 12:09 PM	7/9/2024 2:54 PM	1605	7.2/12.47	421 Green Tree	475	Blow In
2024-07-08-1093	R11200 (7 EAST)	Center (11000)	Ckt 2	7/8/2024 3:30 PM	7/9/2024 8:48 PM	1758	7.2/12.47	421 Green Tree	240	Blow In
2024-07-08-0731	R26200 (AIKEN)	Center South (26000)	Ckt 2	7/8/2024 1:00 PM	7/8/2024 6:31 PM	331	7.2/12.47	422 Dead Tree	558	Blow In
2024-07-08-2132	R26300 (96 SOUTH)	Center South (26000)	Ckt 3	7/8/2024 8:14 PM	7/9/2024 5:39 PM	1285	7.2/12.47	421 Green Tree	401	Blow In
2024-07-08-0849	R06100 (FM698)	Central Heights (6000)	Ckt 1	7/8/2024 2:29 PM	7/9/2024 9:09 PM	1840	7.2/12.47	421 Green Tree	244	Blow In
2024-07-09-2231	R06500 (PLEASANT HILL)	Central Heights (6000)	Ckt 5	7/8/2024 12:37 PM	7/9/2024 4:21 PM	1664	7.2/12.47	421 Green Tree	385	Blow In
2024-07-08-1060	R32100 (ETOILE)	Etoile (32000)	Ckt 1	7/8/2024 3:25 PM	7/9/2024 2:28 PM	1383	7.2/12.47	421 Green Tree	708	Blow In
2024-07-08-1026	R32200 (SMYRNA)	Etoile (32000)	Ckt 2	7/8/2024 3:17 PM	7/9/2024 2:25 PM	1388	7.2/12.47	421 Green Tree	287	Blow In
2024-07-08-1933	R35100 (87 SOUTH)	Fairmount (35000)	Ckt 1	7/8/2024 5:00 PM	7/8/2024 10:57 PM	357	7.2/12.47	421 Green Tree	46	Blow In
2024-07-08-1934	R35200 (87 NORTH)	Fairmount (35000)	Ckt 2	7/8/2024 5:01 PM	7/8/2024 10:58 PM	357	7.2/12.47	421 Green Tree	187	Blow In
2024-07-08-1054	R35400 (FM3315)	Fairmount (35000)	Ckt 4	7/8/2024 3:24 PM	7/8/2024 10:43 PM	439	7.2/12.47	421 Green Tree	1309	Blow In
2024-07-08-1821	R05100 (GARRISON)	Fitze (5000)	Ckt 1	7/8/2024 4:27 PM	7/9/2024 8:44 PM	1697	7.2/12.47	421 Green Tree	708	Blow In
2024-07-08-0750	R05300 (59 SOUTH)	Fitze (5000)	Ckt 3	7/8/2024 1:07 PM	7/9/2024 8:44 PM	1897	7.2/12.47	421 Green Tree	467	Blow In
2024-07-08-0943	R18400 (BRONSON)	Hemphill (18000)	Ckt 4	7/8/2024 2:53 PM	7/9/2024 2:35 PM	1422	7.2/12.47	421 Green Tree	131	Blow In
2024-07-09-2672	R12200 (SPAN CHAPEL)	Hilltop (12000)	Ckt 2	7/8/2024 12:47 PM	7/9/2024 8:59 PM	1932	7.2/12.47	421 Green Tree	196	Blow In
2024-07-08-1826	R19200 (255/96 SOUTH)	Horton Hill (19000)	Ckt 2	7/8/2024 4:29 PM	7/8/2024 9:55 PM	326	7.2/12.47	421 Green Tree	881	Blow In
2024-07-08-1036	R20100 (EAST LIBERTY)	Hurstown (20000)	Ckt 1	7/8/2024 3:21 PM	7/9/2024 4:28 AM	787	7.2/12.47	421 Green Tree	482	Blow In
2024-07-08-1025	R20200 (DREKA)	Hurstown (20000)	Ckt 2	7/8/2024 3:16 PM	7/9/2024 4:26 AM	790	7.2/12.47	421 Green Tree	503	Blow In
2024-07-08-0728	R20300 (PATROON)	Hurstown (20000)	Ckt 3	7/8/2024 12:57 PM	7/8/2024 7:29 PM	392	7.2/12.47	421 Green Tree	318	Blow In
2024-07-08-0759	R23100 (ROLLING HILLS)	Huxley (23000)	Ckt 1	7/8/2024 1:09 PM	7/8/2024 6:58 PM	349	7.2/12.47	422 Dead Tree	467	Blow In
2024-07-08-1052	R23200 (HUXLEY BAY)	Huxley (23000)	Ckt 2	7/8/2024 3:24 PM	7/9/2024 4:36 AM	792	7.2/12.47	421 Green Tree	361	Blow In
2024-07-08-1159	R23300 (DOYLE ENGLISH)	Huxley (23000)	Ckt 3	7/8/2024 3:41 PM	7/9/2024 4:38 AM	777	7.2/12.47	421 Green Tree	196	Blow In
2024-07-08-1413	R03100 (HASLEM)	Joaquin (3000)	Ckt 1	7/8/2024 3:46 PM	7/9/2024 4:51 AM	785	7.2/12.47	421 Green Tree	199	Blow In
2024-07-08-2161	R03200 (HUXLEY)	Joaquin (3000)	Ckt 2	7/8/2024 9:17 PM	7/9/2024 4:55 AM	458	7.2/12.47	421 Green Tree	329	Blow In
2024-07-08-1241	R03300 (CENTER)	Joaquin (3000)	Ckt 3	7/8/2024 3:43 PM	7/9/2024 4:50 AM	787	7.2/12.47	421 Green Tree	533	Blow In
2024-07-08-1152	R03400 (PAXTON)	Joaquin (3000)	Ckt 4	7/8/2024 3:40 PM	7/9/2024 4:49 AM	789	7.2/12.47	421 Green Tree	671	Blow In
2024-07-08-0794	R10100 (FM95 NORTH)	Martinsville (10000)	Ckt 1	7/8/2024 1:32 PM	7/9/2024 9:11 PM	1899	7.2/12.47	421 Green Tree	194	Blow In
2024-07-08-1235	R10200 (7 EAST)	Martinsville (10000)	Ckt 2	7/8/2024 3:42 PM	7/9/2024 7:52 PM	1690	7.2/12.47	421 Green Tree	466	Blow In
2024-07-08-1856	R10400 (7 WEST)	Martinsville (10000)	Ckt 4	7/8/2024 4:34 PM	7/9/2024 3:57 PM	1403	7.2/12.47	421 Green Tree	321	Blow In
2024-07-08-0651	R10500 (GRIGSBY LOOP)	Martinsville (10000)	Ckt 5	7/8/2024 12:32 PM	7/9/2024 7:52 PM	1880	7.2/12.47	421 Green Tree	20	Blow In
2024-07-08-1074	R09100 (MP OCRs NORTH)	Oak Ridge (9000)	Ckt 1	7/8/2024 2:59 PM	7/10/2024 6:35 AM	2376	7.2/12.47	421 Green Tree	66	Blow In
2024-07-08-1128	R25100 (PENDLETON HARBOR)	Pendleton (25000)	Ckt 1	7/8/2024 3:39 PM	7/9/2024 8:13 PM	1714	7.2/12.47	421 Green Tree	508	Blow In
2024-07-08-1130	R25200 (KOA)	Pendleton (25000)	Ckt 2	7/8/2024 3:39 PM	7/9/2024 8:12 PM	1713	7.2/12.47	421 Green Tree	491	Blow In
2024-07-08-1131	R34100 (59N/TENAHA)	Prospect (34000)	Ckt 1	7/8/2024 3:39 PM	7/9/2024 4:08 AM	749	7.2/12.47	421 Green Tree	367	Blow In
2024-07-08-0768	R34300 (FM1645 SOUTH)	Prospect (34000)	Ckt 3	7/8/2024 1:13 PM	7/9/2024 3:44 AM	871	7.2/12.47	421 Green Tree	395	Blow In
2024-07-08-0682	R33100 (HAPPYLAND RD)	Shady Grove (33000)	Ckt 1	7/8/2024 12:42 PM	7/9/2024 8:18 AM	1176	7.2/12.47	421 Green Tree	274	Blow In
2024-07-10-2845	R33400 (CARRIZO CRK)	Shady Grove (33000)	Ckt 4	7/10/2024 2:01 PM	7/10/2024 6:33 PM	272	7.2/12.47	421 Green Tree	145	Blow In
2024-07-08-0650	R08100 (MP BKR)	Shawnee Road (8000)	Ckt 1	7/8/2024 12:31 PM	7/9/2024 9:33 AM	1262	7.2/12.47	421 Green Tree	147	Blow In
2024-07-08-1069	R21300 (87 NORTH)	Six Mile (21000)	Ckt 3	7/8/2024 3:27 PM	7/9/2024 10:22 AM	1135	7.2/12.47	421 Green Tree	221	Blow In
2024-07-08-0950	R02200 (96S)	Tenaha (2000)	Ckt 2	7/8/2024 2:55 PM	7/9/2024 4:07 AM	792	7.2/12.47	421 Green Tree	317	Blow In
2024-07-08-1116	R02300 (TIMPSON)	Tenaha (2000)	Ckt 3	7/8/2024 3:37 PM	7/9/2024 4:08 AM	751	7.2/12.47	421 Green Tree	102	Blow In
2024-07-09-2239	R02300 (TIMPSON)	Tenaha (2000)	Ckt 3	7/9/2024 5:14 AM	7/9/2024 9:20 PM	966	7.2/12.47	421 Green Tree	102	Blow In
2024-07-08-0808	R02400 (PAXTON)	Tenaha (2000)	Ckt 4	7/8/2024 1:47 PM	7/9/2024 4:05 AM	858	7.2/12.47	421 Green Tree	475	Blow In
2024-07-08-0611	R04100 (CORINTH)	Timpson (4000)	Ckt 1	7/8/2024 11:55 AM	7/9/2024 4:00 AM	965	7.2/12.47	421 Green Tree	454	Blow In
2024-07-08-0932	R04300 (STOCKMAN)	Timpson (4000)	Ckt 3	7/8/2024 2:31 PM	7/9/2024 11:25 AM	1254	7.2/12.47	421 Green Tree	474	Blow In
2024-07-08-0834	R29100 (LINN FLAT)	Trawick (29000)	Ckt 1	7/8/2024 2:19 PM	7/8/2024 4:28 PM	129	7.2/12.47	421 Green Tree	329	Blow In

STAFF 1-79 Please provide aerial maps of circuits and their easements that experienced a vegetation-related outage during the May 2024 Derecho and Hurricane Beryl. Overlay the map with the circuits that received vegetation management treatment for the past 5 years, using a distinct color code for each year. Provide any additional information or details to show clarity.

RESPONSE:

DETEC does not maintain this level of detail in its vegetation management program to supply all requested data.

SPONSOR:

Chris Koltonski, ROW Supervisor

STAFF 1-80 For the May 2024 Derecho and Hurricane Beryl, please provide the percentage of forced interruptions that were related to vegetation issues.

RESPONSE:

The following percentages of outages were related to vegetation debris being blown into the lines from outside the 20 or 30-foot distribution easement.

Storm	% Outages Caused by Vegetation Debris
May 2024 Derecho	78%
Hurricane Beryl	89%

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-81 What steps are being taken to address vegetation management and infrastructure issues that contributed to outages or were identified during restoration after the May 2024 Derecho and Hurricane Beryl?

RESPONSE:

DETEC continues to conduct routine trimming and removal of dead and dangerous trees for all primary distribution and transmission lines during the circuit cycle periods and member reports.

SPONSOR:

Chris Koltonski, ROW Supervisor

STAFF 1-82 When did you last substantively review, augment, or modify your vegetation management plan before July 8, 2024?

RESPONSE:

The four-to-five-year cycle plan for vegetation management is reviewed annually and modified as needed. Modifications include adding crews as needed, not prioritizing areas.

SPONSOR:

Chris Koltonski, ROW Supervisor

STAFF 1-83 What percentage of vegetation-related outages were caused by trees or branches outside of the easement or right of way? In responding to this question, please provide both an overall percentage and a breakdown for each county within your service territory that was affected by the May 2024 Derecho or within the Impacted Area for Hurricane Beryl.

RESPONSE:

This information is not documented – assume, based on visuals, all came from out of ROW.

SPONSOR:

Chris Koltonski, ROW Supervisor

STAFF 1-84 Describe your programs or initiatives that are designed to work with property owners to address potentially hazardous vegetation management issues that are outside of the utility easement or right of way.

RESPONSE:

DETEC Member Services team receives reports of hazardous vegetation from members. Service orders are created for these reports and relayed to the Service Truck for that area. If the Service Truck is unable to remedy the concern, the service order is escalated to the ROW Supervisor to issue to a contracted crew.

SPONSOR:

Chris Koltonski, ROW Supervisor

STAFF 1-85 Identify the number of staff that participate in any program or initiative designed to address vegetation management hazards outside of the utility easement or right of way.

RESPONSE:

DETEC employs 11 two-man service trucks and one right of way supervisor that investigate vegetation concerns reported by members. It is the responsibility of all engineering and operations personnel at DETEC to report vegetation hazards on the DETEC system so that they can be addressed in a timely manner.

SPONSOR:

Kelly Parker, Director of Operations

Staffing and Mutual Assistance

STAFF 1-86 Please state whether you participated in or were a member of any mutual assistance programs on or before July 8, 2024. If yes:

a. Please identify all mutual assistance programs you participated in or were a member of on that date;

b. Please provide copies of any agreements entered as part of your membership or participation in those mutual assistance programs; and

c. Please provide a list of members or participants for each mutual assistance program you are a member or participant in.

RESPONSE:

a. DETEC participates in mutual assistance through Texas Electric Cooperative.

b. *See* Attachment G – Mutual Aid Agreement.

c. Bailey Co. EC, Bandera EC, Bartlett EC, Big Country EC, Bluebonnet EC, Bowie-Cass EC, Brazos EC, Bryan Texas Utilities, Central Texas EC, Cherokee Co. ECA, Coleman Co. EC, Comanche EC, Concho Valley EC, CoServ Electric, Deaf Smith EC, East Texas EC, Fannin EC, Farmers EC, Fayette EC, Gort Belknap EC, Golden Spread EC, Grayson-Collin EC, Greenbelt EC, GVEC, Hamilton EC, Harmon EA, Heart of Texas EC, HILCO EC, Houston County EC, J-A-C EC, Jackson EC, Jasper-Newton EC, Karnes EC, Lamar EC, Lamb C. EC, LCRA, Lea Co. EC, Lighthouse EC, Lyntegar EC, Magic Valley EC, Medina EC, MidSouth EC, Nararro Co. EC, Navasota Valley EC, North Plains EC, Northeast Texas EC, Nueces EC, Panola-Harrison EC, Pedernales EC, PenTex Energy, Rayburn Country EC, Rio Grande EC, Rita Blanca EC, Rusk Co EC, Sam Houston EC, San Bernard EC, San Miguel EC, San Patricio EC, South Plains EC, Southwest Arkansas EC, Southwest Rural EA, Southwest Texas EC, Swisher EC, Taylor EC, Tri-County EC, Tri-County EC OK, Trinity Valley EC, United Cooperative Services, Upshur Rural EC, Victoria EC, Western Farmers EC, Wharton Co. EC, Wise EC, Wood Co. EC.

SPONSOR:

Bryan Wood, General Manager

MUTUAL AID AGREEMENT

In consideration of the mutual commitments given herein, each of the Signatories to this Mutual Aid Agreement agrees to render aid to any of the other Signatories as follows:

1.) Request for aid. The Requesting Signatory agrees to make its request in writing to the Aiding Signatory within a reasonable time after aid is needed and with reasonable specificity. The Requesting Signatory agrees to compensate the Aiding Signatory as specified in this Agreement and in other agreements that may be in effect between the Requesting and Aiding Signatories.

2.) Discretionary rendering of aid. Rendering of aid is entirely at the discretion of the Aiding Signatory. The agreement to render aid is expressly not contingent upon a declaration of a major disaster or emergency by the federal government or upon receiving federal funds.

3.) Invoice to the Requesting Signatory. Within 90 days of the return to the home work station of all labor and equipment of the Aiding Signatory, the Aiding Signatory shall submit to the Requesting Signatory an invoice of all charges related to the aid provided pursuant to this Agreement. The invoice shall contain only charges related to the aid provided pursuant to this Agreement.

4.) Charges to the Requesting Signatory. Charges to the Requesting Signatory from the Aiding Signatory shall be as follows:

   a.) Labor force. Charges for labor force shall be in accordance with the Aiding Signatory's standard practices.

   b.) Equipment. Charges for equipment, such as bucket trucks, digger derricks, and other special equipment used by the Aiding Signatory, shall be at the reasonable and customary rates for such equipment in the Aiding Signatory's location.

   c.) Transportation. The Aiding Signatory shall transport needed personnel and equipment by reasonable and customary means and shall charge reasonable and customary rates for such transportation.

   d.) Meals, lodging and other related expenses. Charges for meals, lodging and other expenses related to the provision of aid pursuant to this Agreement shall be the reasonable and actual costs incurred by the Aiding Signatory.

5.) Counterparts. The Signatories may execute this Mutual Aid Agreement in one or more counterparts, with each counterpart being deemed an original Agreement, but with all counterparts being considered one Agreement.

6.) Execution. Each party hereto has read, agreed to and executed this Mutual Aid Agreement on the date indicated.

Date 8/29/17 Entity Deep East Texas EC

By Doug Tant

Title General Manager

STAFF 1-87 Please describe, prior to, during, or in the aftermath of Hurricane Beryl how you integrated mutual assistance crews into your existing emergency preparedness and response processes, any coordination challenges you faced in doing so, and how you addressed any such challenges prior to, during, or in the aftermath of Hurricane Beryl.

RESPONSE:

DETEC maintains mutual assistance agreements on a routine basis with other cooperatives. Prior to Hurricane Beryl we reached out to surrounding cooperatives to determine who had available crews. We determined the amount of assistance we needed shortly after the Hurricane cleared and contacted three cooperatives for assistance. No challenges were encountered.

SPONSOR:

Bryan Wood, General Manager

STAFF 1-88 Please describe the command structure and communication protocols used to manage and direct resources from mutual assistance program(s) you received assistance from prior to, during, and in the aftermath of Hurricane Beryl.

RESPONSE:

Command structure and communication for mutual assistance crews are the same as with internal crews. We do provide a Cooperative representative to accompany each crew for efficiency and safety.

SPONSOR:

Bryan Wood, General Manager

STAFF 1-89 Please describe the process and timeline for requesting or activating assistance as part of your membership or participation in any mutual assistance program(s) prior to, during, or in the aftermath of Hurricane Beryl.

RESPONSE:

Requests for available crews began two to four days prior to landfall. Activation began as soon as possible after the storm had cleared and we had a good assessment of assistance needed.

SPONSOR:

Bryan Wood, General Manager

STAFF 1-90 Once you learned of the Hurricane Beryl's potential to affect your ability to provide service to your customers, what specific actions were taken to begin coordinating with and staging mutual assistance resources to respond to service issues resulting from the hurricane?

RESPONSE:

Made phone calls to Operation Managers at cooperatives in our area to determine availability and developed plans to call them as soon as possible after damage assessment. Worked with local lodging providers to secure rooms for the mutual assistance crews.

SPONSOR:

Bryan Wood, General Manager

STAFF 1-91 Provide the following information concerning mutual assistance received in response to either the May 2024 Derecho or Hurricane Beryl:

a. Identify all mutual assistance programs from which you requested assistance;

b. Describe the specific assistance, including but not limited to the number of damage assessors, vegetation management crews, linesmen, generators, and materials, requested from the mutual assistance program(s); and

c. Provide all documentation of requests made to mutual assistance programs and their responses to your requests.

d. If it is not evident from the documentation provided in response to Staff 1-91(c), please provide the date the request was made, the date the specific assistance requested began arriving in the Impacted Area, and the date by when the specific assistance requested was fully received.

RESPONSE:

a. Utilized crews from Trinity Valley EC, Bowie-Cass EC and Wood County EC under our mutual assistance agreement through Texas Electric Cooperative.

b. Four Line crews with bucket trucks.

c. All requests for assistance were done over the phone.

d. Initial contact made July 5. Official request made July 8, with crews on-site and ready to roll on July 9.

SPONSOR:

Bryan Wood, General Manager

STAFF 1-92 When you receive responses to requests for assistance from other mutual assistance program participants that confirm their ability to provide the requested assistance, are you able to accept or decline resources being offered as needed, or must you accept all assistance provided in response to a request?

RESPONSE:

Able to accept or decline. Did not stage any crews prior to the event.

SPONSOR:

Bryan Wood, General Manager

STAFF 1-93 What considerations did you give to reimbursement of costs and expenses incurred by participants of mutual assistance programs when making requests for assistance during the events of Hurricane Beryl?

RESPONSE:

Costs and expenses are the same for all participants in the Texas Electric Cooperative Mutual Assistance Program. Decisions not based on cost.

SPONSOR:

Bryan Wood, General Manager

STAFF 1-94 Please provide a list of any hurricane response staging area you established in the lead up to and in the aftermath of Hurricane Beryl. Please include the date the center(s) was established, the location of the center(s), the day-to-day staffing levels at the center, and types of equipment and personnel staged at the center(s).

RESPONSE:

N/A.

SPONSOR:

Bryan Wood, General Manager

STAFF 1-95 How did the rollout and deployment of mutual assistance during the events of Hurricane Beryl compare to previous hurricane events during which you requested assistance from mutual assistance programs? In your response, please specifically compare the types and quantities of resources requested, the percentage of request aid provided, the efficacy of coordination between your company and the mutual assistance provider, and the efficiency of staging, deployment, and release of those assistance resources.

RESPONSE:

We have used more crews and less crews in the past. Mutual assistance is very storm specific. The process and deployment are very similar from storm to storm. We encountered no issues with staging, deployment and release of assistance resources.

SPONSOR:

Bryan Wood, General Manager

STAFF 1-96 Please describe what specific actions you took to begin staging internal staff and any responsive mutual assistance crews or resources.

RESPONSE:

We implemented our storm restoration action plan beginning July 5, and had all internal staff staged to respond on July 8. Mutual aid was contacted July 5, and officially requested July 8. They arrived on July 9, with no earlier staging.

SPONSOR:

Bryan Wood, General Manager

STAFF 1-97 Did you have to train or on-board any personnel that was provided in response to your request(s) for mutual assistance during the events of Hurricane Beryl? If yes, please describe what kind of training or on-boarding you provided.

RESPONSE:

No.

SPONSOR:

Bryan Wood, General Manager

Mobile Generation

STAFF 1-98 Please provide details regarding the lease or procurement of each mobile generation facility in the Transmission and Distribution Utility's (TDU) control, including:

a. Details regarding the competitive bidding process used or the justification for not using a competitive bidding process;

b. The size of each mobile generation facility in megawatts (MW);

c. The initial lease or procurement date of each facility;

d. The lease term, in months, of each mobile generation facility;

e. The expiration date of each facility's lease;

f. The to-date costs associated with each mobile generation facility, including operating, leasing costs, or other capital expense;

g. The expected costs associated with each lease, including operation and leasing costs; and

h. The expected return on investment associated with each lease or procurement.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-99 Please provide details regarding mobile generation or temporary emergency electric energy facilities (TEEEF):

a. The control number of the TDU's most recently approved mobile generation or TEEEF cost recovery;

b. Details regarding whether the mobile generation or TEEEF cost recovery was processed as part of a larger Distribution Cost Recovery Factor proceeding or in a separate contested case;

c. The revenue requirement associated with the TDU's mobile generation or TEEEF expenses, broken out by rate class; and

d. The in-force tariffs associated with the TDU's mobile generation or TEEEF rider, broken out by rate class.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-100 Provide the following information concerning your customer base:

a. Total number of customers served by rate class:

b. Average demand by rate class;

c. Peak demand by rate class; and

d. Net peak demand by rate class.

RESPONSE:

Data from June 2024:

Rate	Number Members	Avg. Demand (kW)	Peak Demand (kW)	Net Peak Demand (kW)
Residential	39,996	Not Measured	Not Measured	Not Measured
Commercial	4,284	Not Measured	Not Measured	Not Measured
Large Power	435	49.4	1,047	1,047
Large Power 1,000 kVa	19	446.1	2,108.4	2,108.4
Wholesale	3	2,262	3,776.4	3,776.4
Non-Municipal Water	119	Not Measured	Not Measured	Not Measured
Lights Only	270	Not Measured	Not Measured	Not Measured
DG Net Metering	73	Not Measured	Not Measured	Not Measured
DG Net Billing	23	Not Measured	Not Measured	Not Measured
DG Net Billing – Small Commercial	1	Not Measured	Not Measured	Not Measured

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-101 Please provide information on the average customer density by circuit mile for the feeders in the Impacted Area.

RESPONSE:

DETEC does not maintain data to this level. On a system-wide scale, DETEC has an average of six meters per mile of line.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-102 Please provide an explanation of any alternatives to mobile generation facilities considered by the TDU before entering a lease for or procuring mobile generation facilities.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-103 Please describe the specific use cases contemplated by the TDU before executing a contract for the lease or procurement of mobile generation facilities.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-104 Please provide the following information concerning mobile generation facilities in your possession:

a. The total capacity, in MWs, of mobile generation facilities leased or procured before July 8, 2024;

b. The rationale for leasing or procuring that capacity; and

c. And how mobility and capacity were prioritized when leasing or procuring mobile generation facilities.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-105 Provide the following information for mobile generation facilities already under lease or procured before July 8, 2024:

a. The size, in MWs, of each deployed mobile generation facility;

b. The length of time needed to move each deployed mobile generation facility from storage to its designated staging area;

c. the length of time needed to move each mobile generation facility from staging to its deployment location;

d. An explanation for how and where the mobile generation facility was used; and

e. If a mobile generation facility was not used, an explanation as to why.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-106 Please describe all situations in which the TDU's leased or procured mobile generation facilities were deployed before Hurricane Beryl. If applicable, please describe how those previous deployment situations differed from the use cases initially contemplated by the TDU.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-107 Please provide the following information on power restoration plans or procedures regarding critical infrastructure facilities.

a. Did the TDU develop a list of critical infrastructure facilities within the TDU's service territory?

b. Did the TDU develop emergency preparedness plans in collaboration with critical infrastructure facilities in its service territory?

c. Did the TDU develop a list of routes for use in reaching critical infrastructure facilities during an emergency or significant power outage?

d. Did the TDU identify the specific steps it would take to energize critical infrastructure facilities in its service territory with mobile generation facilities?

e. Did the TDU pre-position mobile generation facilities at critical infrastructure facilities in its service territory to respond to significant power outages in a timely manner?

RESPONSE:

a. DETEC maintains a list of critical infrastructure facilities and critical care members.
b. No.
c. No.
d. No, DETEC does not deploy mobile generation facilities.
e. No, DETEC does not deploy mobile generation facilities.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-108 Please provide the following information regarding drills, procedures, and plans to use mobile generation facilities.

a. Did the TDU develop operating plans or procedures for the deployment of mobile generation? If so, please describe the TDUs strategy for deploying its mobile generation.

b. Did the TDU assign specific personnel to manage, either directly or indirectly, the operation and deployment of its mobile generation facilities?

c. Did the TDU conduct personnel trainings or preparedness drills for the operation of its mobile generation facilities?

d. Please describe any plans or procedures developed in coordination with other TDUs or mutual assistance groups for the operation or deployment of mobile generation.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-109 Please provide the following information regarding each mobile generation facility borrowed during Hurricane Beryl as part of a mutual assistance program or agreement.

a. How the original request for mobile generation facilities through mutual assistance was made;

b. The size, in MW, of each borrowed mobile generation facility;

c. The date the mutual assistance program or agreement was entered;

d. The date the borrowed mobile generation facility was deployed;

e. The duration, in hours, of the borrowing agreement. Describe whether this duration was for a fixed number of hours or a specific number of operating hours;

f. The identity of the original owner or lessor of the mobile generation facility subject to the mutual assistance program or agreement; and

g. Whether obtained mobile generation facilities were used during, or in power restoration efforts following, Hurricane Beryl.

h. If the mobile generation facility was not deployed, provide an explanation as to why the mobile generation facility was not deployed; and

i. If the mobile generation facility was deployed, provide an explanation of how it was used.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-110 When mobile generation facilities are offered to other TDUs during significant power outages, what information does the loaning TDU require from the borrowing TDU related to the probable operation of the mobile generation?

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-111 Please describe if any mobile generation facilities in the TDU's control were deployed in the service territories of municipally owned utilities or electric cooperatives during Hurricane Beryl.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-112 Please describe how the determination was made regarding when and where to deploy or redeploy each mobile generation facility during, or in response to, Hurricane Beryl.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-113 Please describe the number of distribution customers that had power restored by each mobile generation facility leased or procured by the TDU during, or in response to, Hurricane Beryl.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-114 Please describe the number of distribution customers that had power restored by each mobile generation facility obtained through mutual assistance during, or in response to, Hurricane Beryl.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-115 Please describe the number of transmission customers that had power restored by a mobile generation facility leased or procured by the TDU during, or in response to, Hurricane Beryl.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-116 Please describe the number of transmission customers that had power restored by a mobile generation facility obtained through mutual assistance during, or in response to, Hurricane Beryl.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-117 If applicable, please note if any fueling problems arose with deployed mobile generation facilities during, or in response to, Hurricane Beryl. If so, please describe the fueling problems in detail and any action that the TDU took in response.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-118 Please describe all costs incurred by the TDU that were associated with the deployment of mobile generation facilities during, or in response to, Hurricane Beryl.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-119 Please describe any obstacles that limited the deployment of mobile generation facilities during, or in response to, Hurricane Beryl.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering

STAFF 1-120 Please describe any procedural improvements that the TDU intends to make prior to the next deployment of mobile generation facilities. If available, please reference specific sections of any after action report or lessons learned document the TDU has created.

RESPONSE:

N/A.

SPONSOR:

Jessie Morgan, Director of Engineering