

Request 74: Please provide the requested detail on the 2015 project that overran budget.

Response:

The name of the project requested was the Stark Conversion job. The first work order on the project was completed in October of 2015 and the final work order was completed in November of 2016. The final work order was put into plan in December of 2017.

The project was budgeted in the work plan at a cost of \$576,870. The total cost of the job was \$1,076,389.99.

Request 75: Please provide the number of outages by cause for the total system for 2018 and 2019.

Response:

Please see attached documents

Cause	% of Total Cause	No. of events
431 Tree Failure-off ROW	19.56%	285
600 Small animal/bird	19.35%	282
110 Maintenance	14.00%	204
999 Cause unknown	8.79%	128
400 Decay/age of material/equipment	5.01%	73
500 Lightning	4.80%	70
430 Tree failure from overhang or dead tree without ice/snow	4.67%	68
300 Material or equipment fault/failure	4.53%	66
800 Other	4.05%	59
590 Weather, other	3.77%	55
420 Tree growth	1.44%	21
100 Construction	1.37%	20
700 Customer-caused	1.17%	17
510 Wind, not trees	1.10%	16
790 Public, other	1.03%	15
000 Power supply	0.82%	12
470 Borrower crew cuts tree	0.75%	11
710 Motor vehicle	0.69%	10
410 Corrosion/abrasion of material/equipment	0.62%	9
520 Ice, sleet, frost, not trees	0.48%	7
730 Fire	0.48%	7
610 Large animal	0.34%	5
320 Conductor sag or inadequate clearance	0.27%	4
440 Trees with ice/snow	0.21%	3
340 Overload	0.14%	2
360 Other equipment installation/design	0.14%	2
460 Moisture	0.14%	2
490 Maintenance, other	0.14%	2
190 Other planned	0.07%	1
740 Public cuts tree	0.07%	1

Cause	% of Total Causes	No. of events
431 Tree Failure-off ROW	27.02%	394
600 Small animal/bird	20.03%	292
110 Maintenance	13.31%	194
999 Cause unknown	7.96%	116
500 Lightning	4.94%	72
400 Decay/age of material/equipment	4.73%	69
430 Tree failure from overhang or dead tree without ice/snow	3.91%	57
800 Other	3.77%	55
300 Material or equipment fault/failure	3.36%	49
510 Wind, not trees	2.47%	36
100 Construction	1.78%	26
420 Tree growth	1.71%	25
190 Other planned	1.37%	20
590 Weather, other	1.17%	17
000 Power supply	0.69%	10
410 Corrosion/abrasion of material/equipment	0.62%	9
470 Borrower crew cuts tree	0.62%	9
610 Large animal	0.21%	3
320 Conductor sag or inadequate clearance	0.07%	1
340 Overload	0.07%	1
520 Ice, sleet, frost, not trees	0.07%	1
530 Flood	0.07%	1
690 Animal, other	0.07%	1

Request 76: Please provide system wide SAIDI, SAIFI, and CAIDI data for 2019.

Response:

Please refer to the response to Data Request #4. The system wide data for 2019 is the last line of the table (as well as 2018)

Request 77: Please explain the reference to NUS in the response to Data Request 33.

Response:

National Utility Service

Request 78: Please provide a copy of the Emergency Response Plan and describe efforts to keep first responders and members informed about emergency procedures and activities.

Response:

Please find attached a copy of the Emergency Response Plan.

Grayson annually hosts a training with area first responders. A safety trailer and demonstration is provided through the statewide association at the training, with the ability for first responders to ask questions.

Grayson also utilizes its social media and Kentucky Living magazine to promote and provide safety information to its members and service territory.

Request 79: Please described any emergency response drills or table top exercises conducted in the past two years.

Response:

Grayson participates in a roundtable discussion every January with Paradigm Liaison Services. This is a coordinated response exercise that is conducted in collaboration with Columbia Gas and Tennessee Gas, Kinder Morgan on the emergency response if someone would hit a gas line.

Grayson also participated in a Tornado drill this spring with all employees responding to their designated areas.

Request 80: Please provide overtime hours and percentages for 2018 and 2019 at the:

- a. Total level
- b. For maintenance work
- c. For construction work

Response:

Please see chart below. The last recorded occurrence of overtime for construction work that was not maintenance related was in May of 2017. This was for a road crossing that took place on a Sunday.

Overtime Hours 2018															
	Target														
	per Month	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	
OFFICE	20	7	11	2	9	9	8	13	9	4	15	0	12	99	1.57%
CONSTRUCTION	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%
ENGINEERING	0	4	0	2	0	11	2	28	0	0	13	0	7	67	1.06%
MAINTENANCE	350	327	370	676	408	572	561	882	496	466	666	416	308	6148	97.37%
	412	338	381	680	417	592	571	923	505	470	694	416	327	6314	100.00%
										4877					
Overtime Hours 2019															
	Target														
	per Month	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	
OFFICE	20	0	0	0	1	7	8	1	4	0	12	19	5	57	1.05%
CONSTRUCTION	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%
ENGINEERING	0	5	17	0	5	3	13	6	4	0	0	0	0	53	0.97%
MAINTENANCE	350	273	599	353	239	679	732	477	344	203	551	475	413	5338	97.98%
	412	278	616	353	245	689	753	484	348	207	563	494	418	5448	100.00%
										3973					
Overtime Hours 2020															
	Target														
	per Month	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	
OFFICE	20	14	9	3	5	3	1	0	4	2				41	1.24%
CONSTRUCTION	42	0	0	0	0	0	0	0	0	0				0	0.00%
ENGINEERING	0	0	0	0	0	0	0	0	0	0				0	0.00%
MAINTENANCE	350	400	159	327	638	299	479	336	284	349				3271	98.76%
	412	414	168	330	643	302	480	336	288	351	0	0	0	3312	100.00%