

Employee Response Time

Name	Time Called	Time Reported	Time Dismissed	Response in minutes
HARTMAN, DIANNE	7:00 PM	7:10 PM	10:15 PM	10
SAMUELSON, MICHELLE	7:01 PM	7:30 PM	10:15 PM	29
CROATT, DEANN	7:05 PM	7:21 PM	9:45 PM	16
SCHWINGLER, CHRIS	7:00 PM	7:12 PM	9:00 PM	12
HAUER, LINDA	7:00 PM	7:09 PM	9:00 PM	9
SNACKENBERG, BARB	7:02 PM	7:20 PM	9:00 PM	18
WARDEN, LAUREEN	7:00 PM	7:13 PM	9:00 PM	13
LANDELA, MARILYN				
KAISER, FAITH				
NELSON, DEBRA				
BREIMHORST, JOAN				
HILFER, LISA				
SCHULTZ, CAROL	7:03 PM	7:18 PM	9:00 PM	15
SCHMITZ, SUE				
HEAL, CHRISTY				
CONNELY, JEN				
NEISEN, BECKY				
SCHOENBAUER, DIANNE	8:25 PM	9:03 PM	11:20 PM	28
BAKKEN, TERRY	8:25 PM	8:45 PM	11:20 PM	20
KASPAREK, MIKE	7:03 PM	8:51 PM	9:48 PM	
FENNER, ROBERT	7:04 PM	7:24 PM	10:05 PM	20
BRIESE, CHAD	7:05 AM	7:29 PM	9:24 PM	24
KES, ERIC	7:05 PM	7:32 PM	9:18 PM	27
LANGEBERG, JEFF	7:06 PM	7:52 PM	9:35 PM	46
SHELTON, KARIN	7:17 PM	7:24 PM	9:00 PM	7
KORBEL, TERRI ELLEN	7:02 PM	7:28 PM	9:00 PM	26
CALLIES, MIKE	7:42 PM	8:10 PM	9:35 PM	28
				348
				20.47058824

Employee Response Time

Name	Time Called	Time Reported	Time Dismissed	Duties
Bill Hjortaa	7:52 PM	8:07 PM	10:15 PM	15
Brett Kitner	7:49 PM	8:10 PM	9:41 PM	21
Bruce Klehr	5:00 PM	5:20 PM		20
Bryan Ott	7:40 PM	8:05 PM	10:00 PM	25
Chad McGowan	7:41 PM	NS		
Darold Kern	7:40 PM	8:00 PM	10:30 PM	20
Gary Willaert	7:48 PM	8:05 PM	8:56 PM	17
Glenn Strube	7:20 PM	8:00 PM	9:00 PM	40
Howard Brinkman	5:50 PM	6:15 PM	10:30 PM	25
Jack Smith	7:30 PM	8:00 PM	9:00 PM	30
Jeremy Denzer	7:56 PM	8:21 PM	10:00 PM	25
Jim Cullen	7:47 PM	7:55 PM	10:30 PM	8
Jim Schwalbe	7:45 PM	8:00 PM	10:15 PM	15
Joe Jutz	7:53 PM	8:14 PM	9:23 PM	21
John Weierke	7:52 PM	8:22 PM	8:45 PM	30
Kent Schmitt	7:43 PM	8:46 PM	9:21 PM	63
Lee Hoese	5:50 PM	6:15 PM	10:30 PM	25
Mike Otteson	7:49 PM	8:10 PM	9:41 PM	21
Noah Lee	7:54 PM	NS		
Pete Kochlin	7:45 PM	7:58 PM	9:25 PM	13
Pete Mladek	7:50 PM	8:09 PM	8:33 PM	19
Randy Breeggemann	7:42 PM	7:50 PM	9:25 PM	8
Scott Kochlin	8:03 PM	8:08 PM	9:21 PM	5
Steve Volek	7:48 PM	8:07 PM	9:41 PM	29
Steve Wellens	7:49 PM	8:03 PM	9:23 PM	14
Stu Haefner	5:00 PM	5:15 PM		
Tom Koenig	7:59 PM	8:24 PM	8:33 PM	25
Trent Laughridge	7:55 PM	8:15 PM	8:45 PM	20
				554

Outage Response

Location#	Truck#	Truck number Crew	Time Reported	Time Crew Dispatched	Time Crew On-site	Comments
41-13-R1	281	Howard - Lee	7:00 PM	8:00 PM	8:37 PM	37.00
8-29-R	282	Stu - Bruce	5:00 PM	5:02 PM	5:20 PM	18.00
52-29-C	273	Jim C - Darrold	7:00 PM	7:50 PM	8:35 PM	45.00
N.P. SUB	244	Randy - Pete	7:00 PM	8:05 PM	8:26 PM	21.00
MONT. SUB	280	Steve W - Joe	7:00 PM	8:00 PM	8:32 PM	32.00
N.P. SUB	274	Jim S - Bill	7:00 PM	8:05 PM	8:30 PM	25.00
37-21-R1	283	Brian O - Mike	7:00 PM	8:30 PM	9:03 PM	33.00
N.M. SUB	255	Steve V - Mike	7:00 PM	8:39 PM	9:08 PM	29.00
Line switch N.P. Sub fdr #3	274	Jim S - Bill	8:10 PM	8:30 PM	8:30 PM	0.00
Line switch N.P. Sub fdr #3	283	Brian O - Mike	8:10 PM	8:30 PM	8:45 PM	15.00
Line Switch Elysian Sub #1	281	Howard - Lee	8:30 PM	8:40 PM	9:01 PM	21.00
Line Switch Elysian Sub #1	273	Jim C - Darrold	8:30 PM	8:40 PM	8:55 PM	15.00

291.00

Dispatch Manual Procedures

Procedure Used	Correct	Incorrect	Comments
Level 4 Storm guide	X		Two supervisors unavaiable - back-up used
Mutual Aide List	X		No response from Connexus Energy / they had a major storm
Level 2 Storm guide employee call list		X	Didnt match call list that Admin/MSR's have
Contingency back-feed for sub feeders procedure	X		Both worked well and compared favorably to system model
Phone transfer from W/H	X		Performed

AMR - 32 meters (2 AMR meters/feeder; 4 feeders/AMR substation)

Location #	Time Pinged	Time Verified	Correct	Incorrect	Comments
42-3-1A-11A	20:57:00	20:57:50	X		Montgomery - East
43-6-B		20:58:29	X		Montgomery - East
42-12-N		20:58:38	X		Montgomery - South
43-16-B		20:58:01	X		Montgomery - South
37-34-3C-64A		20:58:17	X		Montgomery - West
46-1-1A-10A		20:58:09	X		Montgomery - West
51-13-F1		20:57:50	X		Elysian - North
46-4-D		20:58:27	X		Elysian - North
51-24-A		20:58:19	X		Elysian - East
51-28-3A-24A		20:58:38	X		Elysian - East
51-14-M		20:58:01	X		Elysian - West
53-5-A		20:58:09	X		Elysian - West
36-20-D		No Read			St. Thomas - East
36-2-G		No Read			St. Thomas - East
36-31-A		No Read			St. Thomas - South
41-29-E		No Read			St. Thomas - South
36-24-D		No Read			St. Thomas - West
27-10-D		No Read			St. Thomas - West
16-12-A		No Read			Assumption - North
7-32-B		No Read			Assumption - North
17-18-H		No Read			Assumption - South
18-28-C		No Read			Assumption - South
16-13-G		No Read			Assumption - West
16-8-A		No Read			Assumption - West
25-10-B		20:59:02	X		Jessenland - North
16-19-D		20:58:54	X		Jessenland - North
25-34-B		20:59:12	X		Jessenland - South
34-14-D		20:58:33	X		Jessenland - South
25-31-C		20:58:44	X		Jessenland - West
25-17-A		20:58:25	X		Jessenland - West
45-28-F		20:58:56	X		Clevelend - North
46-7-I		20:58:48	X		Clevelend - North
45-27-B		20:57:50	X		Clevelend - East
45-36-D		20:58:01	X		Clevelend - East
45-33-A		20:58:29	X		Clevelend - South
50-25-E		20:58:38	X		Clevelend - South
45-29-A		20:58:19	X		Clevelend - West
44-2-A		20:58:11	X		Clevelend - West

SCADA

Alarm Time	Alarm Type	Accurate	Inaccurate	Comments
No alarms				All available systems operational

AVL

Test Time		Accurate	Inaccurate	Correction Needed	Assigned to	Comments
8:00 P.M.	285		X	Yes	Mike Dietz	
	283	X				
	282	X				
	281	X				
	280	X				
	279	X				
	274	X				
	273	X				
	255	X				
	247	X				
	244	X				
	183	X				
	132	X				

Radio and Cell Phone Operations

Employee/Vehicle	Time	Radio operational		Phone Signal		Corrective Action Needed	Assigned to	Comments
		No	Yes	No	Yes			
Breeggemann, Randy					X			
Brinkman, Howard					X			
Cullen, Jim					X			
Haefner, Stuart					X			
Hoese, Lee					X			
Kern, Darrold					X			
Kitner, Bret					X			
Klehr, Bruce					X			
Kochlin, Pete					X			
Koenig, Tom					X			
Laughridge, Trent					X			
McGowan, Chad					NA			
Mladek, Pete					X			
Otteson, Michael					X			
Ott, Bryan					X			
Schmitt, Kent					X			
Schwalbe, Jim					X			
Volek, Steve					X			
Wellens, Steve					X			
Weierke, John					X			
Willaert, Gary					X			
Bob Fenner					X			
Eric Kes					X			
Chad Briese					X			
Mike Kasperek					X			
Jeff Langeberg					X			
285		X				YES	MIKE D	NOT WORKING
283			NA					
282			X					
281			X					
280			X					
279			NA					
274			X					
273			X					
255		X				YES	MIKE D	FUNCTIONAL, BUT POOR QUALITY
247			NA					
244			X					
183			X					
156			X					
132			X					
130			X					
125			X					
93			X					
77			X					
76			X					
54			X					

Employee Training					
Ability to successfully complete their tasks					
Name	Yes	No	Correction action needed	Assigned to	Comments
CROATT, DEANN	X				
SCHWINGLER, CHRIS	X				
HAUER, LINDA	X				
SNACKENBERG, BARB	X				
WARDEN, LAUREEN	X				
LANDELA, MARILYN					
KAISER, FAITH					
NELSON, DEBRA					
BREIMHORST, JOAN					
HILFER, LISA					
SCHULTZ, CAROL	X				
SCHMITZ, SUE					
HEAL, CHRISTY					
SHELTON, KARIN	X				
KORBEL, TERRY ELLEN	X		YES	DEANN	USED WRITTEN INSTRUCTIONS-NEEDS FORMAL TRAINING

Line Equipment					
Used	Functional???		Corrective action needed	Assigned to	Comment
	Yes	No			
ABS 37-35-AB1	X				
REGULATORS AT N.P.SUB	X				
OCR'S AT 41-13-R1	X				
ABS AT 41-35-AB1	X				
REGULATORS AT ELYSIAN SUB	X				
OCR'S AT N.P SUB	X				
OCR'S AT ELYSIAN SUB	X				

Line Material Inventory

Issue Identified?	Corrective action needed	Assigned to	Comments
None			Had enough materials to build 6 mile of 1 phase and 6 miles of three phase.

Laptop Functionality

Employee	Time	Functional		Corrective action needed	Assigned to	Comments
		Yes	No			
Breeggemann, Randy	7:00 P.M.	X				
Brinkman, Howard		X				
Cullen, Jim		X				
Haefner, Stuart		X				
Koenig, Tom		X				
Ott, Bryan		X				
Schwalbe, Jim		X				
Volek, Steve		X				
Wellens, Steve		X				
Weierke, John		X				
Bob Fenner		X				
Eric Kes		X				
Chad Briese		X				
Mike Kasperek		X				
Jeff Langeberg		X				

Personal Equipment

Name	Time	Climbing Gear	PP Equipment	Safety Glasses	Hard Hat	Flashlight	Corrective Actions	Assigned to:	Comments
Bill Hjortaa		X	X	X	X	X			
Brett Kitner		X	X	X	X	X			
Bruce Klehr		X	X	X	X	X			
Bryan Ott		X	X	X	X	X			
Chad McGowan		NA	NA	NA	NA	NA			
Darroid Kern		X	X	X	X	X			
Gary Willaert		X	X	X	X	X			
Howard Brinkman		X	X	X	X	X			
Jeremy Denzer		X	X	X	X	NO	Yes	Bill	No hard hat light
Jim Cullen		X	X	X	X	X			
Jim Schwalbe		X	X	X	X	X			
Joe Jutz		NA	NA	NA	NA	NA			
John Weierke		NA	X	X	X	NO	Yes	Bill	No hand held flashlight in truck
Kent Schmitt		X	X	X	X	X			
Lee Hoese		X	X	X	X	X			
Mike Otteson		X	X	X	X	X			
Noah Lee		NA	NA	NA	NA	NA			
Pete Kochlin		X	X	X	X	X			
Pete Mladek		NA	X	X	X	NO	Yes	Mike D	No hand held flashlight in truck
Randy Breggemann		X	X	X	X	X			
Scott Kochlin		NA	X	X	X	X			
Steve Volek		X	X	X	X	X			
Steve Wellens		X	X	X	X	X			
Stu Haefner		X	X	X	X	X			
Tom Koenig		NA	X	X	X	NO	Yes	Mike D	No hand held flashlight in truck
Trent Laughridge		NA	X	X	X	NO	Yes	Bill	No hand held flashlight in truck
Bob Fenner		NA	X	X	X	NO	Yes	Daryl	No hand held flashlight in truck
Eric Kes		NA	X	X	X	NO	Yes	Daryl	No hand held flashlight in truck
Chad Briese		NA	X	X	X	NO	Yes	Daryl	No hand held flashlight in truck
Mike Kasperek		NA	X	X	X	NO	Yes	Daryl	No hand held flashlight in truck
Jeff Langeberg		NA	X	X	X	NO	Yes	Daryl	No hand held flashlight in truck

22 minutes Union average response time to headquarters.
20.5 minutes Dispatch, Admin, MSR, Engineering average response time.
26 minutes Average response time to outage site from headquarters.
91 minutes Average response time to outage site from initial report.
44 minutes Average damage assessment completed from headquarters to site.
98 minutes Average damage assessment completed from initial report to site.
2 hr.s 13 min Last damage assessment completed from initial report of outage.

15 Number of mutual aid crews secured
11 Number of mutual aid crews in 2 hours or less
4 Number of mutual aid crews in 3 hours or less

Pluses

- No mapping errors detected.
- Phone answerers successful in job duties.
- All designated trucks fueled
- All cell phones working from twp. #37 to twp. #53
- SCADA 100 % funtional
- Employee PPE at 100%
- OMS flawless
- Electronic equipment tested performed well.
- Contingency back-feeds tested were accurate and funtional. Mirrored m
- Employee response times excellent
- All computers functioning
- AVL to 9 out of 10 trucks working
- All trucks equiped with tools and materials.
- No material shortages - 6 miles of 3 phase and 6 miles of single phase i
- OMS, AVL, and SCADA all worked from supervisors home.

Minuses

- Only one working outgoing phone line -Supervisors were never made a
- Design engineers log in stations inadequate - Identified prior to Simulat
- 2 truck radios not working

Hand held flashlight shortage

A few system model errors detected in OMS

AVL to one truck not working

Some supplies from Dispatch were missing or removed

Having Eric and Ryan in Bill's office - should be put further away

Need more updates on phone call status