Project: USDA ARS Ames, IA South Feed (City of Ames)

DAPPER Fault Contribution Brief Report

Comprehensive Short Circuit Study Settings

Three Phase Fault	Yes	**Faulted Bus**	All Buses
Single Line to Ground	Yes	**Bus Voltages**	First Bus From Fault
Line to Line Fault	Yes	**Branch Currents**	First Branch From Fault
Line to Line to Ground	Yes	**Phase or Sequence**	Report phase quantities
Motor Contribution	Yes	**Fault Current Calculation**	Initial Symmetrical RMS (with 1/2 Cycle Asym)
Transformer Tap	Yes	**Asym Fault Current at Time**	0.50 **Cycles**
Xformer Phase Shift	Yes		

				----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
Bus Name	**----------Contributions----------**			**3 Phase**	**SLG**	**LLG**	**LL**	**3 Phase**	**SLG**	**LLG**	**LL**
ACCU-1 (BLDG C4)				**5,958**	**3,601**	**5,641**	**5,160**	**5,965**	**3,601**	**5,645**	**5,166**
	MTR_ACCU-1 (BLDG C4)	IND-MTR	In	969	390	860	839	970	390	861	840
	FDR_ACCU-1 (BLDG C4)	CABLE	In	5,202	3,292	4,894	4,505	5,208	3,292	4,898	4,510
ACCU-1A (BLDG 520)				**4,437**	**2,552**	**4,103**	**3,843**	**4,437**	**2,552**	**4,103**	**3,843**
	MTR_ACCU-1A (BLDG 520)	IND-MTR	In	571	219	503	494	571	219	503	494
	FDR_ACCU-1A (BLDG 520)	CABLE	In	4,124	2,429	3,768	3,572	4,125	2,429	3,768	3,572
ACCU-1B (BLDG 520)				**5,627**	**3,289**	**5,205**	**4,873**	**5,627**	**3,289**	**5,205**	**4,873**
	MTR_ACCU-1B (BLDG 520)	IND-MTR	In	571	222	503	494	571	222	503	494
	FDR_ACCU-1B (BLDG 520)	CABLE	In	5,304	3,160	4,861	4,593	5,304	3,160	4,861	4,593
AHU-1 (BLDG C5)				**4,458**	**3,110**	**4,315**	**3,861**	**4,504**	**3,115**	**4,345**	**3,901**
	MTR_AHU-1 (BLDG C5)	IND-MTR	In	384	178	342	332	387	179	345	336
	FDR_AHU-1 (BLDG C5)	CABLE	In	4,113	2,949	3,985	3,562	4,155	2,954	4,013	3,598

Bus Name	----------Contributions----------			----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
				3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
ATS-1 (BLDG 21)-E				**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	FDR_ATS-1 (BLDG 21)-E	CABLE	In	0	0	0	0	0	0	0	0
	ATS-1 (BLDG 21)		In	2,487	1,529	2,196	2,154	3,085	1,853	2,698	2,672
ATS-1 (BLDG 21)-L				**31,819**	**29,351**	**31,215**	**27,556**	**39,479**	**35,569**	**38,347**	**34,190**
	ATS-1 (BLDG 21)		In								
	FDR_OSD4-P1 (BLDG 21)	CABLE	In	2,487	1,529	2,196	2,154	3,085	1,853	2,698	2,672
ATS-1 (BLDG 21)-N				**31,819**	**29,351**	**31,215**	**27,556**	**39,479**	**35,569**	**38,347**	**34,190**
	ATS-1 (BLDG 21)		In	29,334	27,823	29,144	25,404	36,396	33,717	35,803	31,520
	FDR_ATS-1 (BLDG 21)	CABLE	In	29,334	27,823	29,144	25,404	36,396	33,718	35,803	31,520
ATS-1 (BLDG 401MB)-EM				**11,100**	**10,886**	**11,136**	**9,613**	**16,733**	**15,979**	**16,573**	**14,491**
	ATS-1 (BLDG 401MB)		In	4,683	2,514	4,156	4,056	5,294	2,708	4,620	4,585
	FDR_AST-1 (BLDG 401MB)-EM	CABLE	In	11,100	10,886	11,136	9,613	16,733	15,979	16,573	14,491
ATS-1 (BLDG 401MB)-L				**25,181**	**20,273**	**24,380**	**21,807**	**28,464**	**21,843**	**27,103**	**24,651**
	ATS-1 (BLDG 401MB)		In								
	FDR_SWG-1 (BLDG 401MB)	CABLE	In	4,683	2,514	4,156	4,056	5,294	2,708	4,620	4,585
ATS-1 (BLDG 401MB)-N				**25,181**	**20,273**	**24,380**	**21,807**	**28,464**	**21,843**	**27,103**	**24,651**
	ATS-1 (BLDG 401MB)		In	20,506	17,763	20,296	17,759	23,180	19,139	22,564	20,074
	FDR_ATS-1 (BLDG 401MB)-N	CABLE	In	20,506	17,763	20,296	17,759	23,180	19,139	22,564	20,074
ATS-1 (BLDG C3)-E				**3,597**	**3,360**	**3,610**	**3,115**	**4,972**	**4,349**	**4,848**	**4,306**
	ATS-1 (BLDG C3)		In	0	0	0	0	0	0	0	0
	FDR_ATS-1 (BLDG C3) EM	CABLE	In	3,597	3,360	3,610	3,115	4,972	4,349	4,848	4,306
ATS-1 (BLDG C3)-L				**17,790**	**14,964**	**17,409**	**15,407**	**19,619**	**15,899**	**18,930**	**16,991**
	FDR_PANEL C-EM (BLDG C3)	CABLE	In	0	0	0	0	0	0	0	0
	ATS-1 (BLDG C3)		In								
ATS-1 (BLDG C3)-N				**17,790**	**14,964**	**17,409**	**15,407**	**19,619**	**15,899**	**18,930**	**16,991**
	ATS-1 (BLDG C3)		In	17,790	14,964	17,409	15,407	19,619	15,899	18,930	16,991
	FDR_ATS-1 (BLDG C3)	CABLE	In	17,790	14,964	17,409	15,407	19,619	15,899	18,930	16,991
ATS-2 (BLDG 22)-E				**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	FDR_ATS-2 (BLDG 22)-E	CABLE	In	0	0	0	0	0	0	0	0
	ATS-2 (BLDG 22)		In	672	306	592	582	713	316	624	618
ATS-2 (BLDG 22)-L				**9,580**	**6,544**	**8,943**	**8,297**	**10,163**	**6,759**	**9,420**	**8,801**
	ATS-2 (BLDG 22)		In								

Bus Name	----------Contributions----------		----------Initial Symmetrical Amps---------- 3 Phase	SLG	LLG	LL	----------Asymmetrical Amps---------- 3 Phase	SLG	LLG	LL
FDR_OSMCC4-G1 (BLDG 22)	CABLE	In	672	306	592	582	713	316	624	618
ATS-2 (BLDG 22)-N			**9,580**	**6,544**	**8,943**	**8,297**	**10,163**	**6,759**	**9,420**	**8,801**
ATS-2 (BLDG 22)		In	8,910	6,238	8,354	7,716	9,452	6,444	8,800	8,185
FDR_ATS-2 (BLDG 22)-N	CABLE	In	8,910	6,238	8,354	7,716	9,452	6,444	8,800	8,186
BL2-A (BLDG 401MB)			**7,224**	**4,574**	**6,710**	**6,256**	**7,228**	**4,574**	**6,713**	**6,260**
FDR_BL2-B (BLDG 401MB)	CABLE	In	0	0	0	0	0	0	0	0
FDR_BL2-A (BLDG 401MB)	CABLE	In	7,224	4,574	6,710	6,256	7,228	4,574	6,713	6,260
BL2-B (BLDG 401MB)			**6,942**	**4,384**	**6,442**	**6,012**	**6,945**	**4,384**	**6,444**	**6,015**
FDR_BL2-B (BLDG 401MB)	CABLE	In	6,942	4,384	6,442	6,012	6,945	4,384	6,444	6,015
BL3-A (BLDG 401MB)			**8,983**	**5,922**	**8,410**	**7,780**	**9,029**	**5,930**	**8,444**	**7,819**
FDR_BL3-B (BLDG 401MB)	CABLE	In	0	0	0	0	0	0	0	0
FDR_BL3-A (BLDG 401MB	CABLE	In	8,983	5,922	8,410	7,780	9,029	5,930	8,444	7,819
BL3-B (BLDG 401MB)			**8,826**	**5,809**	**8,260**	**7,644**	**8,869**	**5,818**	**8,292**	**7,681**
FDR_BL3-B (BLDG 401MB)	CABLE	In	8,826	5,809	8,260	7,644	8,869	5,818	8,292	7,681
BREAKER-BOX-1 (BLDG 402)			**2,878**	**3,059**	**3,042**	**2,493**	**2,993**	**3,204**	**3,177**	**2,592**
FDR_BREAKER-BOX-1 (BLDG 402)	CABLE	In	2,878	3,059	3,042	2,493	2,993	3,204	3,177	2,592
BREAKER-BOX-2 (BLDG 402)			**2,777**	**2,985**	**2,985**	**2,405**	**2,860**	**3,100**	**3,089**	**2,477**
FDR_BREAKER-BOX-3 (BLDG 402)	CABLE	In	0	0	0	0	0	0	0	0
FDR_BREAKER-BOX-2 (BLDG 402)	CABLE	In	2,777	2,985	2,985	2,405	2,860	3,100	3,089	2,477
BREAKER-BOX-3 (BLDG 402)			**2,610**	**2,684**	**2,693**	**2,261**	**2,658**	**2,726**	**2,738**	**2,302**
FDR_BREAKER-BOX-3 (BLDG 402)	CABLE	In	2,610	2,684	2,693	2,261	2,658	2,726	2,738	2,302
CDP (BLDG 402)			**11,184**	**11,010**	**11,444**	**9,686**	**12,999**	**12,410**	**13,097**	**11,257**
FDR_LP-22 (BLDG 402)	CABLE	In	0	0	0	0	0	0	0	0
FDR_EX-ATS-1 (BLDG 402)	CABLE	In	0	0	0	0	0	0	0	0
FDR_LP-23 (BLDG 402)	CABLE	In	0	0	0	0	0	0	0	0
FDR_T-20 (BLDG 402)	CABLE	In	292	191	260	253	339	216	298	294
FDR_CDP (BLDG 402)	CABLE	In	10,893	10,820	11,203	9,434	12,660	12,195	12,821	10,964
CH-1 (BLDG 401MB)			**20,533**	**14,868**	**19,629**	**17,782**	**22,424**	**15,479**	**21,124**	**19,420**
MTR_CH-1 (BLDG 401MB)	IND-MTR	In	3,478	1,679	3,085	3,012	3,798	1,748	3,320	3,289
FDR_CH-1 (BLDG 401MB)	CABLE	In	17,106	13,212	16,546	14,814	18,681	13,755	17,807	16,178
CH-1 (BLDG 402)			**3,582**	**2,326**	**3,507**	**3,102**	**3,596**	**2,326**	**3,514**	**3,114**
MTR_CH-1 (BLDG 402)	IND-MTR	In	806	349	724	698	809	349	726	701

Bus Name	----------Contributions----------		----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
			3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
FDR_CH-1 (BLDG 402)	CABLE	In	2,914	2,032	2,848	2,524	2,925	2,033	2,854	2,533
CHILLER-UNIT-BKR (BLDG 402)			**6,876**	**7,035**	**7,373**	**5,955**	**7,395**	**7,353**	**7,800**	**6,404**
FDR_CH-1 (BLDG 402)	CABLE	In	734	501	666	636	789	523	704	684
FDR_CH-1-BKR(BLDG 402)	CABLE	In	6,143	6,535	6,732	5,320	6,607	6,831	7,122	5,722
CNTRL-CAB (BLDG C8)			**13,704**	**10,005**	**13,326**	**11,868**	**13,772**	**10,012**	**13,370**	**11,927**
FDR_CNTRL-CAB (BLDG C8)	CABLE	In	13,704	10,005	13,326	11,868	13,772	10,012	13,370	11,927
COND-1 (BLDG C3)			**10,468**	**6,897**	**10,036**	**9,066**	**10,484**	**6,898**	**10,045**	**9,079**
MTR_COND-1 (BLDG C3)	IND-MTR	In	838	368	747	726	840	368	747	727
FDR_COND-1 (BLDG C3)	CABLE	In	9,789	6,597	9,366	8,477	9,803	6,597	9,375	8,490
CP-1 (BLDG 403)			**4,441**	**3,157**	**4,308**	**3,846**	**4,476**	**3,160**	**4,331**	**3,876**
MTR_PUMP1	IND-MTR	In	181	86	162	157	182	86	162	158
MTR_PUMP2	IND-MTR	In	181	86	162	157	182	86	162	158
FDR_CP-1 (BLDG 403)	CABLE	In	4,119	3,004	3,999	3,568	4,152	3,007	4,020	3,595
CU-NORTH (BLDG C8)			**4,168**	**2,434**	**3,873**	**3,609**	**4,168**	**2,434**	**3,873**	**3,609**
MTR_CU-NORTH (BLDG C8)	IND-MTR	In	494	192	436	428	494	192	436	428
FDR_CU-NORTH (BLDG C8)	CABLE	In	3,885	2,321	3,573	3,365	3,885	2,321	3,573	3,365
CU-SOUTH (BLDG C8)			**3,825**	**2,213**	**3,548**	**3,312**	**3,825**	**2,213**	**3,548**	**3,312**
MTR_CU-SOUTH (BLDG C8)	IND-MTR	In	494	191	436	428	494	191	436	428
FDR_CU-SOUTH (BLDG C8)	CABLE	In	3,568	2,111	3,270	3,090	3,568	2,111	3,270	3,090
D4-P1 (BLDG 21)			**26,907**	**23,550**	**26,262**	**23,302**	**31,783**	**26,797**	**30,574**	**27,525**
FDR_MCC4-P2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_MCC4-P1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_T-P2-P1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_T-R2-G2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_L4-G2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_P4-G2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_L4-G1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_T-R2-G1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_L4-P1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_P4-G1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_D4-P1 (BLDG 21)	CABLE	In	26,907	23,550	26,262	23,302	31,783	26,797	30,574	27,525
DP-1 (BLDG 500-510)			**4,303**	**4,026**	**4,351**	**3,727**	**4,619**	**4,222**	**4,620**	**4,000**
FDR_MTS-1 (BLDG 500)	CABLE	In	0	0	0	0	0	0	0	0

Bus Name	----------Contributions----------		----------Initial Symmetrical Amps---------- 3 Phase	SLG	LLG	LL	----------Asymmetrical Amps---------- 3 Phase	SLG	LLG	LL
FDR_MTS-1 (BLDG 510)	CABLE	In	0	0	0	0	0	0	0	0
FDR_DP-1 (BLDG 500-510)	CABLE	In	4,303	4,026	4,351	3,727	4,619	4,222	4,620	4,000
DP-1 (BLDG Y2)			**7,568**	**8,432**	**8,341**	**6,554**	**8,037**	**9,073**	**8,934**	**6,960**
FDR_BLDG Z3/H6	CABLE	In	0	0	0	0	0	0	0	0
FDR_P-1 (BLDG H4)	CABLE	In	0	0	0	0	0	0	0	0
FDR_PANEL-A (BLDG Y2)	CABLE	In	1,934	1,437	1,748	1,675	2,054	1,546	1,873	1,779
FDR_DP-1 (BLDG Y2)	CABLE	In	5,647	7,004	6,831	4,891	5,997	7,537	7,317	5,194
DS-1 (BLD C7)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
FDR_DS-1 (BLDG C7)	CABLE	In	0	0	0	0	0	0	0	0
FDR_T-1 (BLDG C7)	CABLE	In	0	0	0	0	0	0	0	0
DS-1 (BLDG 403)			**7,456**	**6,724**	**7,394**	**6,457**	**8,189**	**7,188**	**8,029**	**7,092**
FDR_P-1 (BLDG 403)	CABLE	In	352	212	313	305	387	226	340	335
FDR_DS-1 (BLDG 403)	CABLE	In	7,106	6,513	7,085	6,154	7,805	6,963	7,693	6,759
DS-1 (BLDG Y2)			**5,515**	**3,399**	**5,121**	**4,776**	**5,612**	**3,419**	**5,196**	**4,860**
FDR_T-1 (BLDG Y2)	CABLE	In	714	294	629	619	727	295	639	630
FDR_DS-1 (BLDG Y2)	CABLE	In	4,828	3,117	4,495	4,181	4,914	3,135	4,561	4,255
DS-3 (BLDG 520)			**29,445**	**24,098**	**28,844**	**25,500**	**31,215**	**24,820**	**30,248**	**27,033**
FDR_MDP (BLDG 520)	CABLE	In	1,350	736	1,202	1,169	1,431	758	1,261	1,239
FDR_DS-3 (BLDG 520)	CABLE	In	28,107	23,367	27,649	24,341	29,796	24,068	28,994	25,804
DX2-P1 (BLDG 21)			**12,580**	**13,364**	**13,094**	**10,895**	**14,723**	**15,557**	**15,277**	**12,751**
FDR_X2-G13 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G3 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G4 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G5 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_DX2-P1A (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_DX2-P1 (BLDG 21)	CABLE	In	12,580	13,364	13,094	10,895	14,723	15,557	15,277	12,751
DX2-P1A (BLDG 21)			**12,380**	**13,024**	**12,854**	**10,722**	**14,438**	**15,057**	**14,915**	**12,503**
FDR_X2-G10 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G7 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G8 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G9 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0

Bus Name	----------Contributions----------		----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
			3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
FDR_X2-G12 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G14 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_DX2-P1A (BLDG 21)	CABLE	In	12,380	13,024	12,854	10,722	14,438	15,057	14,915	12,503
DX2-P2 (BLDG 21)			**5,295**	**5,552**	**5,442**	**4,586**	**6,028**	**6,314**	**6,192**	**5,221**
FDR_X2-G17 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G18 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G19 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G20 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G22 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G21 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G16 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G15 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_DX2-P2 (BLDG 21)	CABLE	In	5,295	5,552	5,442	4,586	6,028	6,314	6,192	5,221
EQ2 (BLDG 401MB)			**4,569**	**2,759**	**4,181**	**3,957**	**4,569**	**2,759**	**4,181**	**3,957**
FDR_EQ2 (BLDG 401MB)	CABLE	In	4,569	2,759	4,181	3,957	4,569	2,759	4,181	3,957
EQ3 (BLDG 401MB)			**7,224**	**4,574**	**6,710**	**6,256**	**7,228**	**4,574**	**6,713**	**6,260**
FDR_EQ3 (BLDG 401MB)	CABLE	In	7,224	4,574	6,710	6,256	7,228	4,574	6,713	6,260
EX-ATS-1 (BLDG 402)-EM			**2,386**	**2,378**	**2,396**	**2,067**	**3,679**	**3,622**	**3,672**	**3,186**
EX-ATS-1 (BLDG 402)		In	0	0	0	0	0	0	0	0
FDR_EX-ATS-1 (BLDG 402)-EM	CABLE	In	2,386	2,378	2,396	2,067	3,679	3,622	3,672	3,186
EX-ATS-1 (BLDG 402)-L			**10,945**	**10,639**	**11,228**	**9,479**	**12,520**	**11,739**	**12,616**	**10,843**
EX-ATS-1 (BLDG 402)		In								
FDR_LP-24 (BLDG 402)	CABLE	In	0	0	0	0	0	0	0	0
EX-ATS-1 (BLDG 402)-N			**10,945**	**10,639**	**11,228**	**9,479**	**12,520**	**11,739**	**12,616**	**10,843**
EX-ATS-1 (BLDG 402)		In	10,945	10,639	11,228	9,479	12,520	11,739	12,616	10,843
FDR_EX-ATS-1 (BLDG 402)	CABLE	In	10,945	10,639	11,228	9,479	12,520	11,739	12,616	10,843
EX-P-1 (SS-E)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
FDR_EX-P-1 (SS-E)	CABLE	In	0	0	0	0	0	0	0	0
EX-P-1 (SS-W)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
FDR_EX-P-1 (SS-W)	CABLE	In	0	0	0	0	0	0	0	0
F/A (BLDG C5)			**6,377**	**5,055**	**6,278**	**5,523**	**6,935**	**5,234**	**6,705**	**6,006**
MTR_FIRE-PUMP	IND-MTR	In	1,176	621	1,051	1,018	1,279	643	1,123	1,107

Bus Name	----------Contributions----------		----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
			3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
FDR_F/A (BLDG C5)	CABLE	In	5,220	4,443	5,228	4,521	5,677	4,600	5,584	4,916
GEN-1 (BLDG 402)			**2,403**	**2,403**	**2,403**	**2,081**	**3,769**	**3,769**	**3,769**	**3,264**
FDR_EX-ATS-1 (BLDG 402)-EM	CABLE	In	0	0	0	0	0	0	0	0
GEN-1 (402)	GEN	In	2,403	2,403	2,403	2,081	3,769	3,769	3,769	3,264
GEN-1-(BLDG 22)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
FDR_ATS-1 (BLDG 21)-E	CABLE	In	0	0	0	0	0	0	0	0
FDR_ATS-2 (BLDG 22)-E	CABLE	In	0	0	0	0	0	0	0	0
GEN-1 (BLDG 22)	GEN	In	0	0	0	0	0	0	0	0
GEN-1-(BLDG 401MB)			**11,551**	**11,551**	**11,551**	**10,004**	**18,120**	**18,120**	**18,120**	**15,692**
FDR_AST-1 (BLDG 401MB)-EM	CABLE	In	0	0	0	0	0	0	0	0
GEN-1 (BLDG 401MB)	GEN	In	11,551	11,551	11,551	10,004	18,120	18,120	18,120	15,692
GEN-1-(BLDG C3)			**4,158**	**4,158**	**4,158**	**3,601**	**6,523**	**6,523**	**6,523**	**5,649**
FDR_ATS-1 (BLDG C3) EM	CABLE	In	0	0	0	0	0	0	0	0
GEN-1 (BLDG C3)	GEN	In	4,158	4,158	4,158	3,601	6,523	6,523	6,523	5,649
L4-G1 (BLDG 21)			**6,607**	**4,099**	**6,112**	**5,722**	**6,607**	**4,099**	**6,112**	**5,722**
FDR_L4-G1 (BLDG 21)	CABLE	In	6,607	4,099	6,112	5,722	6,607	4,099	6,112	5,722
L4-G2 (BLDG 21)			**3,493**	**2,106**	**3,190**	**3,025**	**3,493**	**2,106**	**3,190**	**3,025**
FDR_L4-G2 (BLDG 21)	CABLE	In	3,493	2,106	3,190	3,025	3,493	2,106	3,190	3,025
L4-P1 (BLDG 21)			**5,302**	**3,247**	**4,879**	**4,592**	**5,302**	**3,247**	**4,879**	**4,592**
FDR_L4-P1 (BLDG 21)	CABLE	In	5,302	3,247	4,879	4,592	5,302	3,247	4,879	4,592
LA (BLDG 401MB)			**6,303**	**3,857**	**5,802**	**5,459**	**6,303**	**3,857**	**5,802**	**5,459**
FDR_LA (BLDG 401MB)	CABLE	In	6,303	3,857	5,802	5,459	6,303	3,857	5,802	5,459
LP-22 (BLDG 402)			**10,867**	**10,518**	**11,154**	**9,411**	**12,371**	**11,535**	**12,466**	**10,713**
FDR_SG3-P1 (GUARD SHACK)	CABLE	In	0	0	0	0	0	0	0	0
FDR_LP-22 (BLDG 402)	CABLE	In	10,867	10,518	11,154	9,411	12,371	11,535	12,466	10,713
LP-23 (BLDG 402)			**11,010**	**10,743**	**11,278**	**9,535**	**12,670**	**11,946**	**12,760**	**10,973**
FDR_WELDER-REC	CABLE	In	0	0	0	0	0	0	0	0
FDR_RTU (BLDG 402)	CABLE	In	0	0	0	0	0	0	0	0
FDR_LP-23 (BLDG 402)	CABLE	In	11,010	10,743	11,278	9,535	12,671	11,946	12,760	10,973
LP-24 (BLDG 402)			**10,743**	**10,329**	**11,034**	**9,304**	**12,140**	**11,227**	**12,234**	**10,514**
FDR_XFMR (OP-22)	CABLE	In	0	0	0	0	0	0	0	0
FDR_T-2 (BLDG 402)	CABLE	In	0	0	0	0	0	0	0	0

Bus Name	----------Contributions----------		----------Initial Symmetrical Amps---------- 3 Phase	SLG	LLG	LL	----------Asymmetrical Amps---------- 3 Phase	SLG	LLG	LL
FDR_T-1 (BLDG 402)	CABLE	In	0	0	0	0	0	0	0	0
FDR_LP-24 (BLDG 402)	CABLE	In	10,743	10,329	11,034	9,304	12,140	11,227	12,234	10,514
M/S-1 (BLDG 21)			**4,627**	**3,693**	**4,567**	**4,007**	**5,446**	**3,982**	**5,208**	**4,716**
FDR_T-1 (BLDG 21)	CABLE	In	100	53	90	87	118	58	103	102
FDR_M/S-1 (BLDG 21)	CABLE	In	4,526	3,639	4,479	3,920	5,328	3,924	5,108	4,614
M1-A (BLDG 401MB)			**21,473**	**16,297**	**20,606**	**18,596**	**23,521**	**17,099**	**22,259**	**20,370**
FDR_M1-B (BLDG 401MB)	CABLE	In	0	0	0	0	0	0	0	0
FDR_CHWP-1 (BLDG 401MB)	CABLE	In	133	68	118	116	146	71	128	127
FDR_CHWP-2 (BLDG 401MB)	CABLE	In	133	68	118	116	146	71	128	127
FDR_M1-A (BLDG 401MB)	CABLE	In	21,208	16,163	20,370	18,367	23,230	16,958	22,005	20,118
M1-B (BLDG 401MB)			**20,601**	**15,506**	**19,738**	**17,841**	**22,401**	**16,192**	**21,186**	**19,400**
FDR_ACCU-1 (BLDG 401MB)	CABLE	In	0	0	0	0	0	0	0	0
FDR_M1-B (BLDG 401MB)	CABLE	In	20,601	15,506	19,738	17,841	22,401	16,192	21,186	19,400
M2-A (BLDG 401MB)			**10,771**	**6,990**	**10,079**	**9,328**	**11,138**	**7,081**	**10,366**	**9,646**
FDR_AHU-2 (BLDG 401MB)	CABLE	In	179	77	158	155	185	78	162	160
FDR_EF-1A (BLDG 401MB)	CABLE	In	255	110	225	221	264	112	231	228
FDR_EF-1B (BLDG 401MB)	CABLE	In	255	110	225	221	264	112	231	228
FDR_M2-B (BLDG 401MB)	CABLE	In	256	111	226	221	264	112	232	229
FDR_AHU-1 (BLDG 401MB)	CABLE	In	262	113	231	227	271	115	238	234
FDR_M2-A (BLDG 401MB)	CABLE	In	9,590	6,479	9,016	8,305	9,917	6,563	9,272	8,588
M2-B (BLDG 401MB)			**10,338**	**6,694**	**9,667**	**8,953**	**10,673**	**6,777**	**9,928**	**9,243**
FDR_AHU-B (BLDG 401MB)	CABLE	In	256	110	226	222	264	112	232	229
FDR_M2-B (BLDG 401MB)	CABLE	In	10,087	6,586	9,441	8,736	10,414	6,668	9,696	9,019
MCC4-P1 (BLDG 21)			**17,021**	**12,192**	**16,486**	**14,740**	**17,095**	**12,200**	**16,533**	**14,804**
FDR_MCC4-P1 (BLDG 21)	CABLE	In	17,021	12,192	16,486	14,740	17,095	12,200	16,533	14,804
MCC4-P2 (BLDG 21)			**9,151**	**6,179**	**8,621**	**7,925**	**9,196**	**6,187**	**8,654**	**7,964**
FDR_MCC4-P2 (BLDG 21)	CABLE	In	9,151	6,179	8,621	7,925	9,196	6,187	8,654	7,964
MDP (BLDG 520)			**26,805**	**21,230**	**26,067**	**23,214**	**28,190**	**21,743**	**27,154**	**24,414**
FDR_HC3 (BLDG 520)	CABLE	In	0	0	0	0	0	0	0	0
FDR_HUM-1 (BLDG 520)	CABLE	In	0	0	0	0	0	0	0	0
FDR_PANEL-A (BLDG 520)	CABLE	In	0	0	0	0	0	0	0	0
FDR_HC1 (BLDG 520)	CABLE	In	0	0	0	0	0	0	0	0
FDR_AHU-1A (BLDG 520)	CABLE	In	133	70	118	115	140	72	123	121

Bus Name	----------Contributions----------		----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
			3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
FDR_AHU-1B (BLDG 520)	CABLE	In	133	70	118	115	140	72	123	121
FDR_ACCU-1A (BLDG 520)	CABLE	In	541	286	482	469	569	293	502	493
FDR_ACCU-1B (BLDG 520)	CABLE	In	549	290	488	475	577	297	509	500
FDR_MDP (BLDG 520)	CABLE	In	25,465	20,522	24,864	22,053	26,780	21,018	25,900	23,193
MDP (BLDG C5)			**7,140**	**6,165**	**6,985**	**6,183**	**8,200**	**6,803**	**7,900**	**7,101**
FDR_PP2 (BLDG C5)	CABLE	In	373	215	331	323	429	237	374	371
FDR_F/A (BLDG C5)	CABLE	In	1,146	660	1,017	993	1,316	728	1,150	1,140
FDR_MDP (BLDG C5)	CABLE	In	5,623	5,292	5,670	4,870	6,458	5,839	6,412	5,593
MTS-1-(BLDG 500)			**3,026**	**2,342**	**2,998**	**2,621**	**3,040**	**2,344**	**3,006**	**2,633**
FDR_P-1 (BLDG 500)	CABLE	In	0	0	0	0	0	0	0	0
FDR_MTS-1 (BLDG 500)	CABLE	In	3,026	2,342	2,998	2,621	3,040	2,344	3,006	2,633
MTS-1-(BLDG 510)			**3,728**	**3,195**	**3,775**	**3,229**	**3,811**	**3,218**	**3,833**	**3,301**
FDR_P-1 (BLDG 510)	CABLE	In	0	0	0	0	0	0	0	0
FDR_MTS-1 (BLDG 510)	CABLE	In	3,728	3,195	3,775	3,229	3,811	3,218	3,833	3,301
MTS-3 (BLDG 520)-L			**31,122**	**26,011**	**30,631**	**26,953**	**33,181**	**26,908**	**32,278**	**28,735**
MTS-3 (BLDG 520)		In								
FDR_DS-3 (BLDG 520)	CABLE	In	1,346	750	1,200	1,166	1,435	776	1,264	1,243
MTS-3 (BLDG 520)-N			**31,122**	**26,011**	**30,631**	**26,953**	**33,181**	**26,908**	**32,278**	**28,735**
MTS-3 (BLDG 520)		In	29,785	25,265	29,441	25,794	31,755	26,137	31,023	27,500
FDR_MTS-3 (BLDG 520)	CABLE	In	29,785	25,265	29,441	25,794	31,755	26,137	31,024	27,500
OP-22 (BLDG 402)			**2,900**	**3,030**	**2,987**	**2,512**	**2,947**	**3,077**	**3,034**	**2,552**
FDR_OP-22 (BLDG 402)	CABLE	In	2,900	3,030	2,987	2,512	2,947	3,077	3,034	2,552
OP32 (BLDG 402)			**6,902**	**7,237**	**7,211**	**5,977**	**7,594**	**7,875**	**7,884**	**6,577**
FDR_OP32-B (BLDG 402)	CABLE	In	0	0	0	0	0	0	0	0
FDR_PLASMA-CUTTER	CABLE	In	0	0	0	0	0	0	0	0
FDR_WELDER-REC1	CABLE	In	0	0	0	0	0	0	0	0
FDR_OP32 (BLDG 402)	CABLE	In	6,902	7,237	7,211	5,977	7,594	7,875	7,884	6,577
OP32-B (BLDG 402)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
FDR_OP32-B (BLDG 402)	CABLE	In	0	0	0	0	0	0	0	0
OS2-G1 (BLDG 21)			**1,360**	**1,138**	**1,373**	**1,178**	**1,370**	**1,140**	**1,379**	**1,187**
FDR_OS2-G1 (BLDG 21)	CABLE	In	1,360	1,138	1,373	1,178	1,370	1,140	1,379	1,187
OS2-G2 (BLDG 21)			**1,238**	**990**	**1,235**	**1,072**	**1,243**	**990**	**1,238**	**1,076**

Bus Name	----------Contributions----------			----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
				3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
	FDR_OS2-G2 (BLDG 21)	CABLE	In	1,238	990	1,235	1,072	1,243	990	1,238	1,076
OS2-G3 (BLDG 21)				**2,753**	**2,304**	**2,770**	**2,385**	**2,767**	**2,306**	**2,778**	**2,396**
	FDR_OS2-G3 (BLDG 21)	CABLE	In	2,753	2,304	2,770	2,385	2,767	2,306	2,778	2,396
OS2-G4 (BLDG 21)				**2,891**	**2,440**	**2,937**	**2,504**	**2,902**	**2,442**	**2,943**	**2,513**
	FDR_OS2-G4 (BLDG 21)	CABLE	In	2,891	2,440	2,937	2,504	2,902	2,442	2,943	2,513
OS2-G5 (BLDG 22)				**1,445**	**1,456**	**1,479**	**1,252**	**1,531**	**1,529**	**1,559**	**1,326**
	FDR_WELDING-REC	CABLE	In	0	0	0	0	0	0	0	0
	FDR_GEN-PWR	CABLE	In	0	0	0	0	0	0	0	0
	FDR_OS2-G5 (BLDG 22)	CABLE	In	1,445	1,456	1,479	1,252	1,531	1,529	1,559	1,326
OS2-G7 (BLDG 21)				**4,031**	**4,234**	**4,173**	**3,491**	**4,209**	**4,410**	**4,351**	**3,645**
	FDR_OS2-G7 (BLDG 21)	CABLE	In	4,031	4,234	4,173	3,491	4,209	4,410	4,351	3,645
OS2-P1 (BLDG 21)				**1,551**	**1,557**	**1,566**	**1,343**	**1,670**	**1,669**	**1,682**	**1,446**
	FDR_OS2-P2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_OS2-P1 (BLDG 21)	CABLE	In	1,551	1,557	1,566	1,343	1,670	1,669	1,682	1,446
OS2-P2 (BLDG 21)				**1,072**	**863**	**1,073**	**928**	**1,076**	**864**	**1,076**	**932**
	FDR_OS2-P2 (BLDG 21)	CABLE	In	1,072	863	1,073	928	1,076	864	1,076	932
OS4-G1 (BLDG 21)				**11,973**	**7,969**	**11,334**	**10,369**	**11,983**	**7,970**	**11,340**	**10,377**
	FDR_T-OSD2-G1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_OS4-G1 (BLDG 21)	CABLE	In	11,973	7,969	11,334	10,369	11,983	7,970	11,340	10,377
OS4-G2 (BLDG 21)				**6,958**	**4,553**	**6,501**	**6,026**	**6,975**	**4,556**	**6,513**	**6,040**
	FDR_T-OSD2-G2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_OS4-G2 (BLDG 21)	CABLE	In	6,958	4,553	6,501	6,026	6,975	4,556	6,513	6,040
OS4-G3 (BLDG 22)				**8,541**	**5,749**	**7,961**	**7,397**	**8,930**	**5,883**	**8,276**	**7,733**
	FDR_T-1 (BLDG 22)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_OS4-G3 (BLDG 22)	CABLE	In	8,541	5,749	7,961	7,397	8,930	5,883	8,276	7,733
OS4-P1 (BLDG 21)				**21,003**	**16,446**	**20,517**	**18,189**	**21,946**	**16,738**	**21,232**	**19,006**
	FDR_T-OS2-P1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_OS4-P1 (BLDG 21)	CABLE	In	21,003	16,446	20,517	18,189	21,946	16,738	21,232	19,006
OS4-P2 (BLDG 21)				**9,947**	**6,730**	**9,384**	**8,615**	**9,997**	**6,739**	**9,420**	**8,657**
	FDR_OS4-P2A (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_OS4-P2 (BLDG 21)	CABLE	In	9,947	6,730	9,384	8,615	9,997	6,739	9,420	8,657
OS4-P2A (BLDG 21)				**9,863**	**6,667**	**9,302**	**8,542**	**9,911**	**6,675**	**9,337**	**8,583**

Bus Name	----------Contributions----------		----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
			3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
FDR_OS4-P2A (BLDG 21)	CABLE	In	9,863	6,667	9,302	8,542	9,911	6,675	9,337	8,583
OSD2-G1 (BLDG 21)			**1,765**	**1,731**	**1,792**	**1,529**	**1,865**	**1,809**	**1,883**	**1,615**
FDR_OS2-G2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_OS2-G1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_OSD2-G1 (BLDG 21)	CABLE	In	1,765	1,731	1,792	1,529	1,865	1,809	1,883	1,615
OSD2-G2 (BLDG 21)			**4,187**	**4,518**	**4,508**	**3,626**	**4,442**	**4,860**	**4,822**	**3,847**
FDR_OS2-G3 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_OS2-G7 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_OS2-G4 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_OSD2-G2 (BLDG 21)	CABLE	In	4,187	4,518	4,508	3,626	4,442	4,860	4,822	3,847
OSD4-P1 (BLDG 21)			**30,516**	**27,518**	**29,876**	**26,428**	**37,317**	**32,595**	**36,064**	**32,317**
FDR_OS4-P2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_OS4-P1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_OS4-G1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_OS4-G2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_OSMCC4-P2 (BLDG 21)	CABLE	In	902	542	797	781	1,103	642	963	955
FDR_OSMCC4-P1 (BLDG 21)	CABLE	In	1,595	959	1,411	1,381	1,950	1,136	1,703	1,689
FDR_OSD4-P1 (BLDG 21)	CABLE	In	28,020	26,018	27,775	24,266	34,265	30,818	33,528	29,674
OSMCC4-G1 (BLDG 21)			**9,151**	**6,207**	**8,532**	**7,925**	**9,694**	**6,406**	**8,976**	**8,395**
FDR_OS4-G3 (BLDG 22)	CABLE	In	0	0	0	0	0	0	0	0
FDR_DS-1 (BLDG Y2)	CABLE	In	675	305	594	585	715	315	625	619
FDR_OSMCC4-G1 (BLDG 22)	CABLE	In	8,478	5,903	7,941	7,342	8,981	6,092	8,354	7,778
OSMCC4-P1 (BLDG 21)			**25,335**	**20,935**	**24,807**	**21,941**	**28,399**	**22,363**	**27,315**	**24,594**
FDR_FAN F-1.1 (BLDG 21)	CABLE	In	383	211	341	331	429	225	375	371
FDR_FAN F-1.2 (BLDG 21)	CABLE	In	385	212	342	333	431	226	377	373
FDR_FAN F-1.3 (BLDG 21)	CABLE	In	385	212	342	333	431	226	377	373
FDR_AHU-1.2 (BLDG 21)	CABLE	In	462	255	412	401	518	272	453	449
FDR_OSMCC4-P1 (BLDG 21)	CABLE	In	23,726	20,049	23,388	20,548	26,595	21,417	25,753	23,032
OSMCC4-P2 (BLDG 21)			**16,387**	**12,010**	**15,659**	**14,191**	**17,342**	**12,325**	**16,411**	**15,018**
FDR_AHU-1.1 (BLDG 21)	CABLE	In	462	226	410	401	489	232	430	424
FDR_AHU-1.3 (BLDG 21)	CABLE	In	464	227	411	402	491	233	431	425
FDR_OSMCC4-P2 (BLDG 21)	CABLE	In	15,478	11,566	14,837	13,405	16,380	11,869	15,550	14,186
P-1 (BLDG 403)			**5,999**	**4,919**	**5,855**	**5,196**	**6,392**	**5,093**	**6,173**	**5,536**

Bus Name	----------Contributions----------			----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
				3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
	FDR_P-2 (BLDG 403)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_CP-1 (BLDG 403)	CABLE	In	356	195	317	309	380	202	334	329
	FDR_P-1 (BLDG 403)	CABLE	In	5,649	4,727	5,539	4,892	6,019	4,894	5,839	5,212
P-1 (BLDG 500)				**2,922**	**2,230**	**2,884**	**2,530**	**2,933**	**2,231**	**2,890**	**2,540**
	FDR_P-1 (BLDG 500)	CABLE	In	2,922	2,230	2,884	2,530	2,933	2,231	2,890	2,540
P-1 (BLDG 510)				**3,588**	**3,011**	**3,621**	**3,108**	**3,648**	**3,024**	**3,661**	**3,159**
	FDR_P-1 (BLDG 510)	CABLE	In	3,588	3,011	3,621	3,108	3,648	3,024	3,661	3,159
P-1 (BLDG A3)				**5,859**	**4,971**	**5,836**	**5,074**	**6,062**	**5,046**	**5,990**	**5,250**
	FDR_HEATER (BLDG A3)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P-1 (BLDG A3)	CABLE	In	5,859	4,971	5,836	5,074	6,062	5,046	5,990	5,250
P-1 (BLDG A4)				**5,966**	**5,100**	**5,951**	**5,167**	**6,187**	**5,185**	**6,120**	**5,358**
	FDR_HEATER (BLDG A4)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P-1 (BLDG A4)	CABLE	In	5,966	5,100	5,951	5,167	6,187	5,185	6,120	5,358
P-1 (BLDG A5)				**5,968**	**5,102**	**5,954**	**5,169**	**6,190**	**5,187**	**6,123**	**5,360**
	FDR_HEATER (BLDG A5)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P-1 (BLDG A5)	CABLE	In	5,968	5,102	5,954	5,169	6,190	5,187	6,123	5,360
P-1 (BLDG A6)				**5,032**	**4,037**	**4,951**	**4,358**	**5,137**	**4,067**	**5,028**	**4,448**
	FDR_HEATER (BLDG A6)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P-1 (BLDG H5)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P-1 (BLDG A6)	CABLE	In	5,032	4,037	4,951	4,358	5,137	4,067	5,028	4,448
P-1 (BLDG A7)				**4,958**	**3,958**	**4,873**	**4,294**	**5,057**	**3,985**	**4,945**	**4,379**
	FDR_HEATER (BLDG A7)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P-1 (BLDG A7)	CABLE	In	4,958	3,958	4,873	4,294	5,057	3,985	4,945	4,379
P-1 (BLDG A8)				**6,319**	**5,535**	**6,332**	**5,472**	**6,609**	**5,661**	**6,559**	**5,723**
	FDR_HEATER (BLDG A8)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P-2 (BLDG A8)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P-1 (BLDG A8)	CABLE	In	6,319	5,535	6,332	5,472	6,609	5,661	6,559	5,723
P-1 (BLDG A9)				**5,661**	**4,737**	**5,624**	**4,903**	**5,836**	**4,797**	**5,755**	**5,054**
	FDR_HEATER (BLDG A9)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P-1 (BLDG A9)	CABLE	In	5,661	4,737	5,624	4,903	5,836	4,797	5,755	5,054
P-1 (BLDG H4)				**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	FDR_EX-P-1 (SS-E)	CABLE	In	0	0	0	0	0	0	0	0

Bus Name	----------Contributions----------			----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
				3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
	FDR_EX-P-1 (SS-W)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P-1 (BLDG H4)	CABLE	In	0	0	0	0	0	0	0	0
P-1 (BLDG H5)				**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	FDR_P-1 (BLDG H5)	CABLE	In	0	0	0	0	0	0	0	0
P-1 (BLDG H6)				**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	FDR_P-1 (BLDG H6)	CABLE	In	0	0	0	0	0	0	0	0
P-1 (BLDG Z3)				**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	FDR_P-1 (BLDG Z3)	CABLE	In	0	0	0	0	0	0	0	0
P-2 (BLDG 403)				**5,862**	**4,758**	**5,726**	**5,077**	**6,184**	**4,887**	**5,981**	**5,355**
	FDR_PLASMA-CUTTER-REC	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P-2 (BLDG 403)	CABLE	In	5,862	4,758	5,726	5,077	6,184	4,887	5,981	5,355
P-2 (BLDG A8)				**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	FDR_P-2 (BLDG A8)	CABLE	In	0	0	0	0	0	0	0	0
P2-G1 (BLDG 21)				**1,839**	**1,881**	**1,879**	**1,593**	**1,972**	**2,027**	**2,020**	**1,708**
	FDR_P2-G1 (BLDG 21)	CABLE	In	1,839	1,881	1,879	1,593	1,972	2,027	2,020	1,708
P2-G2 (BLDG 21)				**1,718**	**1,771**	**1,768**	**1,488**	**1,795**	**1,859**	**1,852**	**1,554**
	FDR_P2-G2 (BLDG 21)	CABLE	In	1,718	1,771	1,768	1,488	1,795	1,859	1,852	1,554
P2-G3 (BLDG 22)				**1,384**	**1,413**	**1,404**	**1,199**	**1,429**	**1,460**	**1,450**	**1,237**
	FDR_P2-G3 (BLDG 22)	CABLE	In	1,384	1,413	1,404	1,199	1,429	1,460	1,450	1,237
P2-P1 (BLDG 21)				**1,563**	**1,570**	**1,574**	**1,353**	**1,686**	**1,690**	**1,696**	**1,460**
	FDR_P2-P2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P2-P1 (BLDG 21)	CABLE	In	1,563	1,570	1,574	1,353	1,686	1,690	1,696	1,460
P2-P2 (BLDG 21)				**1,547**	**1,544**	**1,565**	**1,340**	**1,659**	**1,645**	**1,673**	**1,437**
	FDR_P2-P2 (BLDG 21)	CABLE	In	1,547	1,544	1,565	1,340	1,659	1,645	1,673	1,437
P4-G1 (BLDG 21)				**8,949**	**5,798**	**8,389**	**7,750**	**8,952**	**5,798**	**8,391**	**7,753**
	FDR_T-P2-G1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P4-G1 (BLDG 21)	CABLE	In	8,949	5,798	8,389	7,750	8,952	5,798	8,391	7,753
P4-G2 (BLDG 21)				**4,995**	**3,097**	**4,610**	**4,326**	**4,995**	**3,097**	**4,610**	**4,326**
	FDR_T-P2-G2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P4-G2 (BLDG 21)	CABLE	In	4,995	3,097	4,610	4,326	4,995	3,097	4,610	4,326
P4-G3 (BLDG 22)				**4,301**	**2,639**	**3,955**	**3,725**	**4,301**	**2,639**	**3,955**	**3,725**
	FDR_T-2 (BLDG 22)	CABLE	In	0	0	0	0	0	0	0	0

Bus Name	----------Contributions----------		----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
			3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
FDR_P4-G3 (BLDG 22)	CABLE	In	4,301	2,639	3,955	3,725	4,301	2,639	3,955	3,725
PANEL C-EM (BLDG C3)			**17,109**	**14,222**	**16,698**	**14,817**	**18,767**	**15,041**	**18,071**	**16,253**
FDR_PANEL-A-EM (BLDG C3)	CABLE	In	0	0	0	0	0	0	0	0
FDR_PANEL C-EM (BLDG C3)	CABLE	In	17,109	14,222	16,698	14,817	18,767	15,041	18,071	16,253
PANEL-A (BLDG 520)			**18,808**	**13,049**	**17,996**	**16,288**	**18,848**	**13,052**	**18,022**	**16,323**
FDR_PANEL-A (BLDG 520)	CABLE	In	18,808	13,049	17,996	16,288	18,848	13,052	18,022	16,323
PANEL-A (BLDG C7)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
FDR_PANEL-A (BLDG C7)	CABLE	In	0	0	0	0	0	0	0	0
PANEL-A (BLDG C8)			**17,862**	**14,492**	**17,720**	**15,469**	**18,458**	**14,660**	**18,155**	**15,985**
FDR_PANEL-A (BLDG C8)	CABLE	In	17,862	14,492	17,720	15,469	18,458	14,660	18,155	15,985
PANEL-A (BLDG Y2)			**7,211**	**7,421**	**7,333**	**6,245**	**7,653**	**7,881**	**7,785**	**6,628**
FDR_AC-3 (BLDG Y2)	CABLE	In	433	297	383	375	459	315	406	398
FDR_AC-2 (BLDG Y2)	CABLE	In	441	303	390	382	468	321	414	405
FDR_AC-1 (BLDG Y2)	CABLE	In	451	309	399	390	478	328	423	414
FDR_MAU-1 (BLDG Y2)	CABLE	In	662	454	585	573	702	482	621	608
FDR_PANEL-A (BLDG Y2)	CABLE	In	5,242	6,069	5,809	4,540	5,563	6,446	6,167	4,818
PANEL-A-EM (BLDG C3)			**6,723**	**4,256**	**6,273**	**5,822**	**6,723**	**4,256**	**6,273**	**5,822**
FDR_PANEL-A-EM (BLDG C3)	CABLE	In	6,723	4,256	6,273	5,822	6,723	4,256	6,273	5,822
PANEL-H1 (BLDG 440)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
FDR_PANEL-H1 (BLDG 440)	CABLE	In	0	0	0	0	0	0	0	0
PANEL-H2 (BLDG 441)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
FDR_PANEL H2 (BLDG 441)	CABLE	In	0	0	0	0	0	0	0	0
FDR_PANEL-H1 (BLDG 440)	CABLE	In	0	0	0	0	0	0	0	0
PNL-A-SECT1 (BLDG C4)			**9,474**	**6,855**	**9,101**	**8,204**	**9,623**	**6,887**	**9,209**	**8,334**
FDR_PNL-A-SECT2 (BLDG C4)	CABLE	In	0	0	0	0	0	0	0	0
FDR_PNL-A-SECT1 (BLDG C4)	CABLE	In	9,474	6,855	9,101	8,204	9,623	6,887	9,209	8,334
PNL-A-SECT2 (BLDG C4)			**9,304**	**6,708**	**8,930**	**8,058**	**9,443**	**6,737**	**9,031**	**8,178**
FDR_PNL-A-SECT2 (BLDG C4)	CABLE	In	9,304	6,708	8,930	8,058	9,443	6,737	9,031	8,178
PP1 (BLDG C5)			**7,317**	**6,470**	**7,111**	**6,337**	**8,554**	**7,370**	**8,229**	**7,408**
FDR_T-2 (BLDG C5)	CABLE	In	0	0	0	0	0	0	0	0
FDR_MDP (BLDG C5)	CABLE	In	1,507	888	1,331	1,305	1,761	1,012	1,540	1,525
FDR_PP1 (BLDG C5)	CABLE	In	5,811	5,582	5,828	5,033	6,793	6,359	6,744	5,883

Bus Name	----------Contributions----------			----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
				3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
PP2 (BLDG C5)				**5,415**	**4,142**	**5,272**	**4,689**	**5,682**	**4,219**	**5,473**	**4,921**
	FDR_PP2-A (BLDG C5)	CABLE	In	380	194	339	329	398	197	351	345
	FDR_PP2 (BLDG C5)	CABLE	In	5,045	3,953	4,933	4,369	5,294	4,026	5,122	4,585
PP2-A (BLDG C5)				**5,318**	**4,035**	**5,176**	**4,606**	**5,553**	**4,098**	**5,351**	**4,809**
	FDR_T-1 (208V) (BLDG C5)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_AHU-1 (BLDG C5)	CABLE	In	380	192	339	329	397	195	350	344
	FDR_PP2-A (BLDG C5)	CABLE	In	4,950	3,848	4,837	4,287	5,168	3,908	5,001	4,476
PP2-B (BLDG C5)				**1,457**	**1,516**	**1,495**	**1,262**	**1,557**	**1,623**	**1,599**	**1,349**
	FDR_RACKING SYSTEM	CABLE	In	0	0	0	0	0	0	0	0
	FDR_PP2-B (BLDG C5)	CABLE	In	1,457	1,516	1,495	1,262	1,557	1,623	1,599	1,349
R2-G1 (BLDG 21)				**2,600**	**2,702**	**2,720**	**2,252**	**2,715**	**2,848**	**2,854**	**2,351**
	FDR_R2-G1 (BLDG 21)	CABLE	In	2,600	2,702	2,720	2,252	2,715	2,848	2,854	2,351
R2-G2 (BLDG 21)				**1,567**	**1,742**	**1,808**	**1,357**	**1,570**	**1,751**	**1,815**	**1,359**
	FDR_R2-G2 (BLDG 21)	CABLE	In	1,567	1,742	1,808	1,357	1,570	1,751	1,815	1,359
RP1 (BLDG C5)				**1,467**	**1,504**	**1,498**	**1,270**	**1,569**	**1,602**	**1,599**	**1,359**
	FDR_RP1 (BLDG C5)	CABLE	In	1,467	1,504	1,498	1,270	1,569	1,602	1,599	1,359
SC-1 (BLDG 401MB)				**5,077**	**4,169**	**5,138**	**4,397**	**5,995**	**4,431**	**5,818**	**5,192**
	FDR_T-1 (BLDG 401MB)	CABLE	In	58	32	53	50	69	34	59	59
	FDR_SC-2 (BLDG 401 MB)	CABLE	In	68	37	62	59	81	40	70	70
	FDR_SC-1 (BLDG 401 MB)	CABLE	In	4,950	4,100	5,027	4,287	5,846	4,357	5,692	5,063
SC-1 (BLDG A3-A4)				**5,009**	**4,095**	**5,054**	**4,338**	**5,817**	**4,326**	**5,653**	**5,038**
	FDR_T-1 (BLDG 500-510)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_T-1 (BLDG A7)	CABLE	In	33	18	30	29	38	19	33	33
	FDR_SC-1 (BLDG A3-A4)	CABLE	In	4,976	4,077	5,025	4,309	5,779	4,307	5,620	5,005
SC-1 (BLDG A6-A7)				**4,626**	**3,703**	**4,593**	**4,006**	**5,024**	**3,820**	**4,891**	**4,351**
	FDR_T-1 (BLDG A5-A6)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_T-1 (BLDG 520)	CABLE	In	19	10	17	17	21	11	19	18
	FDR_SC-1 (BLDG A6-A7)	CABLE	In	4,606	3,693	4,576	3,989	5,003	3,809	4,872	4,332
SC-1 (BLDG A8-A9)				**4,726**	**3,802**	**4,711**	**4,093**	**5,205**	**3,941**	**5,068**	**4,507**
	FDR_T-1 (BLDG C8)	CABLE	In	14	7	12	12	15	8	13	13
	FDR_SC-1 (BLDG A6-A7)	CABLE	In	19	10	18	17	21	11	19	19
	FDR_SC-1 (BLDG A8-A9)	CABLE	In	4,693	3,784	4,682	4,064	5,168	3,922	5,036	4,476

Bus Name	----------Contributions----------		----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
			3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
SC-2 (BLDG 401MB)			**5,049**	**4,138**	**5,103**	**4,372**	**5,920**	**4,386**	**5,749**	**5,127**
FDR_T-1 (BLDG C3)	CABLE	In	68	37	62	59	80	40	69	69
FDR_SC-2 (BLDG 401 MB)	CABLE	In	4,980	4,101	5,043	4,313	5,840	4,347	5,681	5,058
SG-1 (BLDG C8)			**21,740**	**19,420**	**21,500**	**18,827**	**24,586**	**21,214**	**23,969**	**21,292**
FDR_RE-HEAT (BLDG C8)	CABLE	In	0	0	0	0	0	0	0	0
FDR_STEP-CNTRL2 (BLDG C8)	CABLE	In	0	0	0	0	0	0	0	0
FDR_TEMP-GEN	CABLE	In	0	0	0	0	0	0	0	0
FDR_AUTOCLAVE (BLDG C8)	CABLE	In	0	0	0	0	0	0	0	0
FDR_WH-2 (BLDG C8)	CABLE	In	0	0	0	0	0	0	0	0
FDR_CNTRL-CAB (BLDG C8)	CABLE	In	0	0	0	0	0	0	0	0
FDR_PANEL-A (BLDG C8)	CABLE	In	0	0	0	0	0	0	0	0
FDR_WH-1 (BLDG C8)	CABLE	In	0	0	0	0	0	0	0	0
FDR_STEP-CNTRL1 (BLDG C8)	CABLE	In	0	0	0	0	0	0	0	0
FDR_CU-NORTH (BLDG C8)	CABLE	In	471	280	418	408	532	306	466	461
FDR_CU-SOUTH (BLDG C8)	CABLE	In	471	281	419	408	533	306	467	461
FDR_SG-1 (BLDG C8)	CABLE	In	20,798	18,860	20,694	18,011	23,521	20,601	23,071	20,370
SG3-P1 (GUARD SHACK)			**5,535**	**4,011**	**5,377**	**4,793**	**5,558**	**4,013**	**5,391**	**4,813**
FDR_SG3-T1 (GUARD SHACK)	CABLE	In	0	0	0	0	0	0	0	0
FDR_SG3-P1 (GUARD SHACK)	CABLE	In	5,535	4,011	5,377	4,793	5,558	4,013	5,391	4,813
SG3-P2 (GUARD SHACK)			**1,419**	**1,455**	**1,441**	**1,229**	**1,499**	**1,536**	**1,522**	**1,299**
FDR_SG3-P2 (GUARD SHACK)	CABLE	In	1,419	1,455	1,441	1,229	1,499	1,536	1,522	1,299
SG3-T1 (GUARD SHACK)-PRI			**5,128**	**3,618**	**4,950**	**4,441**	**5,138**	**3,618**	**4,956**	**4,450**
SG3-T1 (GUARD SHACK)	2W-XFMR	In	0	0	0	0	0	0	0	0
FDR_SG3-T1 (GUARD SHACK)	CABLE	In	5,128	3,618	4,950	4,441	5,138	3,618	4,956	4,450
SG3-T1 (GUARD SHACK)-SEC			**1,449**	**1,506**	**1,501**	**1,255**	**1,545**	**1,618**	**1,607**	**1,338**
FDR_SG3-P2 (GUARD SHACK)	CABLE	In	0	0	0	0	0	0	0	0
SG3-T1 (GUARD SHACK)	2W-XFMR	In	1,449	1,506	1,501	1,255	1,545	1,618	1,607	1,338
SOUTH-CAMPUS-SWGR-1			**5,088**	**4,182**	**5,152**	**4,406**	**6,028**	**4,450**	**5,849**	**5,221**
FDR_T-1 (BLDG 403)	CABLE	In	5	3	5	4	6	3	5	5
FDR_T-1 (13.8KV)(BLDG 402)	CABLE	In	10	5	9	9	12	6	10	10
FDR_SW-1 (SOUTH)	CABLE	In	33	18	30	29	39	19	34	34
FDR_SC-1 (BLDG 401 MB)	CABLE	In	126	69	114	109	150	74	130	130
FDR_SOUTH-CAMPUS-SWGR-1	CABLE	In	4,914	4,086	4,999	4,255	5,822	4,348	5,675	5,042

Bus Name	----------Contributions----------		----------Initial Symmetrical Amps---------- 3 Phase	SLG	LLG	LL	----------Asymmetrical Amps---------- 3 Phase	SLG	LLG	LL
STEP-CNRL1 (BLDG C8)			**15,528**	**12,119**	**15,208**	**13,447**	**15,935**	**12,226**	**15,507**	**13,800**
FDR_STEP-CNTRL1 (BLDG C8)	CABLE	In	15,528	12,119	15,208	13,447	15,935	12,226	15,507	13,800
STEP-CNRL2 (BLDG C8)			**10,731**	**7,849**	**10,256**	**9,293**	**10,980**	**7,920**	**10,447**	**9,509**
FDR_STEP-CNTRL2 (BLDG C8)	CABLE	In	10,731	7,849	10,256	9,293	10,980	7,920	10,447	9,509
SW-1 (SOUTH)			**5,066**	**4,157**	**5,125**	**4,387**	**5,964**	**4,413**	**5,790**	**5,165**
FDR_SW-1 (SOUTH)-C3	CABLE	In	0	0	0	0	0	0	0	0
FDR_SC-1 (BLDG A3-A4)	CABLE	In	33	18	30	29	39	19	34	34
FDR_SW-1 (SOUTH)	CABLE	In	5,033	4,139	5,096	4,359	5,925	4,394	5,757	5,132
SWG-1 (BLDG 401MB)			**23,931**	**18,632**	**23,057**	**20,725**	**26,835**	**19,879**	**25,431**	**23,239**
FDR_EQ3 (BLDG 401MB)	CABLE	In	0	0	0	0	0	0	0	0
FDR_LA (BLDG 401MB)	CABLE	In	0	0	0	0	0	0	0	0
FDR_BL3-A (BLDG 401MB	CABLE	In	0	0	0	0	0	0	0	0
FDR_EQ2 (BLDG 401MB)	CABLE	In	0	0	0	0	0	0	0	0
FDR_BL2-A (BLDG 401MB)	CABLE	In	0	0	0	0	0	0	0	0
FDR_M1-A (BLDG 401MB)	CABLE	In	267	138	236	231	299	148	261	259
FDR_M2-A (BLDG 401MB)	CABLE	In	1,126	585	999	975	1,263	624	1,102	1,094
FDR_CH-1 (BLDG 401MB)	CABLE	In	3,369	1,748	2,988	2,917	3,777	1,865	3,296	3,271
FDR_SWG-1 (BLDG 401MB)	CABLE	In	19,190	16,170	18,890	16,619	21,518	17,253	20,835	18,635
SWG-1 (BLDG C3)			**22,395**	**20,463**	**22,288**	**19,395**	**25,783**	**22,727**	**25,266**	**22,328**
FDR_AUTOCLAVE	CABLE	In	0	0	0	0	0	0	0	0
FDR_ATS-1 (BLDG C3)	CABLE	In	0	0	0	0	0	0	0	0
FDR_COND-1 (BLDG C3)	CABLE	In	814	496	724	705	937	550	820	811
FDR_SWG-1 (BLDG C3)	CABLE	In	21,582	19,968	21,587	18,690	24,847	22,176	24,471	21,518
SWG-1 (BLDG C4)			**13,438**	**10,644**	**13,162**	**11,638**	**14,139**	**10,872**	**13,697**	**12,244**
FDR_AUTOCLAVE (BLDG C4)	CABLE	In	0	0	0	0	0	0	0	0
FDR_HU-1 (BLDG C4)	CABLE	In	0	0	0	0	0	0	0	0
FDR_RH-6 (BLDG C4)	CABLE	In	0	0	0	0	0	0	0	0
FDR_RH-1 (BLDG C4)	CABLE	In	0	0	0	0	0	0	0	0
FDR_PNL-A-SECT1 (BLDG C4)	CABLE	In	0	0	0	0	0	0	0	0
FDR_AHU-1 (BLDG C4)	CABLE	In	133	70	119	115	140	72	124	121
FDR_ACCU-1 (BLDG C4)	CABLE	In	906	478	808	785	953	489	841	826
FDR_SWG-1 (BLDG C4)	CABLE	In	12,411	10,101	12,238	10,748	13,057	10,317	12,735	11,308
T-1 (13.8kV) (BLDG C5)-PRI			**4,893**	**3,971**	**4,911**	**4,237**	**5,546**	**4,158**	**5,396**	**4,803**

Bus Name	----------Contributions----------			----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
				3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
	T-1 (13.8kV) (BLDG C5)	2W-XFMR	In	42	23	38	36	48	24	42	41
	FDR_T-1 (13.2kV) (BLDG C5)	CABLE	In	4,851	3,948	4,874	4,201	5,498	4,134	5,355	4,762
T-1 (13.8kV) (BLDG C5)-SEC				**7,883**	**7,453**	**7,696**	**6,827**	**9,420**	**8,920**	**9,203**	**8,158**
	FDR_PP1 (BLDG C5)	CABLE	In	1,471	927	1,294	1,274	1,758	1,110	1,547	1,523
	T-1 (13.8kV) (BLDG C5)	2W-XFMR	In	6,411	6,525	6,472	5,552	7,662	7,810	7,740	6,636
T-1 (13.8KV)(BLDG 402)-PRI				**4,999**	**4,084**	**5,041**	**4,329**	**5,781**	**4,307**	**5,621**	**5,007**
	T-1 (13.8KV)(BLDG 402)	2W-XFMR	In	10	5	9	9	11	6	10	10
	FDR_T-1 (13.8KV)(BLDG 402)	CABLE	In	4,989	4,078	5,032	4,321	5,770	4,301	5,611	4,997
T-1 (13.8KV)(BLDG 402)-SEC				**11,813**	**12,043**	**11,961**	**10,231**	**14,449**	**14,774**	**14,653**	**12,514**
	FDR_CDP (BLDG 402)	CABLE	In	291	198	258	252	356	243	315	309
	T-1 (13.8KV)(BLDG 402)	2W-XFMR	In	11,525	11,846	11,710	9,981	14,096	14,533	14,345	12,208
T-1 (208V) (BLDG C5)-PRI				**4,664**	**3,329**	**4,508**	**4,039**	**4,709**	**3,335**	**4,539**	**4,078**
	T-1 (208V) (BLDG C5)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-1 (208V) (BLDG C5)	CABLE	In	4,664	3,329	4,508	4,039	4,709	3,335	4,539	4,078
T-1 (208V) (BLDG C5)-SEC				**1,469**	**1,537**	**1,522**	**1,273**	**1,577**	**1,659**	**1,639**	**1,365**
	FDR_PP2-B (BLDG C5)	CABLE	In	0	0	0	0	0	0	0	0
	T-1 (208V) (BLDG C5)	2W-XFMR	In	1,469	1,537	1,522	1,273	1,577	1,659	1,639	1,365
T-1 (BLDG 21)-PRI				**4,626**	**3,690**	**4,565**	**4,006**	**5,444**	**3,980**	**5,206**	**4,715**
	T-1 (BLDG 21)	2W-XFMR	In	100	53	90	87	118	58	103	102
	FDR_T-1 (BLDG 21)	CABLE	In	4,525	3,637	4,477	3,919	5,326	3,922	5,106	4,613
T-1 (BLDG 21)-SEC				**34,993**	**37,112**	**36,566**	**30,305**	**45,085**	**48,526**	**47,514**	**39,045**
	FDR_USS1-SWG-A (BLDG 21)	CABLE	In	3,099	2,191	2,760	2,684	3,992	2,865	3,586	3,458
	T-1 (BLDG 21)	2W-XFMR	In	31,909	34,931	33,910	27,634	41,111	45,674	44,063	35,603
T-1 (BLDG 22)-PRI				**7,224**	**4,681**	**6,719**	**6,256**	**7,280**	**4,694**	**6,762**	**6,305**
	T-1 (BLDG 22)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-1 (BLDG 22)	CABLE	In	7,224	4,681	6,719	6,256	7,280	4,694	6,762	6,305
T-1 (BLDG 22)-SEC				**1,493**	**1,537**	**1,528**	**1,293**	**1,611**	**1,666**	**1,652**	**1,395**
	FDR_OS2-G5 (BLDG 22)	CABLE	In	0	0	0	0	0	0	0	0
	T-1 (BLDG 22)	2W-XFMR	In	1,493	1,537	1,528	1,293	1,611	1,666	1,652	1,395
T-1 (BLDG 401MB)-PRI				**5,066**	**4,157**	**5,125**	**4,387**	**5,966**	**4,414**	**5,791**	**5,167**
	T-1 (BLDG 401MB)	2W-XFMR	In	58	32	52	50	68	34	59	59
	FDR_T-1 (BLDG 401MB)	CABLE	In	5,008	4,125	5,073	4,337	5,898	4,380	5,733	5,108

Bus Name	----------Contributions----------			----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
				3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
T-1 (BLDG 401MB)-SEC				**33,199**	**32,629**	**33,029**	**28,751**	**40,483**	**39,956**	**40,357**	**35,059**
	FDR_ATS-1 (BLDG 401MB)-N	CABLE	In	4,395	2,880	3,877	3,806	5,359	3,526	4,737	4,641
	T-1 (BLDG 401MB)	2W-XFMR	In	28,810	29,753	29,318	24,950	35,131	36,434	35,822	30,424
T-1 (BLDG 402)-PRI				**4,915**	**3,350**	**4,715**	**4,256**	**4,917**	**3,350**	**4,716**	**4,258**
	T-1 (BLDG 402)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-1 (BLDG 402)	CABLE	In	4,915	3,350	4,715	4,256	4,917	3,350	4,716	4,258
T-1 (BLDG 402)-SEC				**2,966**	**3,217**	**3,236**	**2,569**	**3,102**	**3,416**	**3,415**	**2,686**
	FDR_BREAKER-BOX-1 (BLDG 402)	CABLE	In	0	0	0	0	0	0	0	0
	T-1 (BLDG 402)	2W-XFMR	In	2,966	3,217	3,236	2,569	3,102	3,416	3,415	2,686
T-1 (BLDG 403)-PRI				**5,029**	**4,116**	**5,078**	**4,355**	**5,860**	**4,353**	**5,694**	**5,075**
	T-1 (BLDG 403)	2W-XFMR	In	5	3	5	4	6	3	5	5
	FDR_T-1 (BLDG 403)	CABLE	In	5,023	4,113	5,073	4,350	5,854	4,350	5,689	5,070
T-1 (BLDG 403)-SEC				**8,943**	**8,902**	**8,928**	**7,744**	**10,271**	**10,217**	**10,251**	**8,895**
	FDR_DS-1 (BLDG 403)	CABLE	In	349	232	308	302	401	266	354	347
	T-1 (BLDG 403)	2W-XFMR	In	8,594	8,670	8,633	7,442	9,870	9,952	9,913	8,548
T-1 (BLDG 500-510)-PRI				**4,953**	**4,035**	**4,985**	**4,290**	**5,664**	**4,237**	**5,511**	**4,905**
	T-1 (BLDG 500-510)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-1 (BLDG 500-510)	CABLE	In	4,953	4,035	4,985	4,290	5,664	4,237	5,511	4,905
T-1 (BLDG 500-510)-SEC				**4,906**	**4,931**	**4,919**	**4,249**	**5,537**	**5,564**	**5,551**	**4,795**
	FDR_PANEL H2 (BLDG 441)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_DP-1 (BLDG 500-510)	CABLE	In	0	0	0	0	0	0	0	0
	T-1 (BLDG 500-510)	2W-XFMR	In	4,906	4,931	4,919	4,249	5,537	5,564	5,551	4,795
T-1 (BLDG 520)-PRI				**4,558**	**3,638**	**4,514**	**3,948**	**4,900**	**3,738**	**4,770**	**4,244**
	T-1 (BLDG 520)	2W-XFMR	In	19	10	17	17	21	11	18	18
	FDR_T-1 (BLDG 520)	CABLE	In	4,539	3,627	4,497	3,931	4,879	3,728	4,752	4,226
T-1 (BLDG 520)-SEC				**48,265**	**50,465**	**49,801**	**41,799**	**56,573**	**59,558**	**58,597**	**48,993**
	FDR_MTS-3 (BLDG 520)	CABLE	In	1,325	923	1,176	1,147	1,552	1,090	1,384	1,344
	T-1 (BLDG 520)	2W-XFMR	In	46,942	49,542	48,684	40,653	55,021	58,469	57,282	47,650
T-1 (BLDG A3-A4)-PRI				**4,502**	**3,585**	**4,449**	**3,899**	**4,819**	**3,680**	**4,687**	**4,173**
	FDR_SW-1 (SOUTH)-C3	CABLE	In	0	0	0	0	0	0	0	0
	T-1 (BLDG A3-A4)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-1 (BLDG A3-A4)	CABLE	In	4,502	3,585	4,449	3,899	4,819	3,680	4,687	4,173

Bus Name	----------Contributions----------			----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
				3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
T-1 (BLDG A3-A4)-SEC				**8,102**	**8,052**	**8,111**	**7,017**	**9,126**	**9,037**	**9,120**	**7,903**
	FDR_P-1 (BLDG A4)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P-1 (BLDG A3)	CABLE	In	0	0	0	0	0	0	0	0
	T-1 (BLDG A3-A4)	2W-XFMR	In	8,102	8,052	8,111	7,017	9,126	9,037	9,120	7,903
T-1 (BLDG A5-A6)-PRI				**4,576**	**3,655**	**4,535**	**3,963**	**4,939**	**3,763**	**4,807**	**4,277**
	FDR_T-1 (BLDG A3-A4)	CABLE	In	0	0	0	0	0	0	0	0
	T-1 (BLDG A5-A6)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-1 (BLDG A5-A6)	CABLE	In	4,576	3,655	4,535	3,963	4,939	3,763	4,807	4,277
T-1 (BLDG A5-A6)-SEC				**8,106**	**8,056**	**8,114**	**7,020**	**9,133**	**9,046**	**9,127**	**7,909**
	FDR_P-1 (BLDG A5)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P-1 (BLDG A6)	CABLE	In	0	0	0	0	0	0	0	0
	T-1 (BLDG A5-A6)	2W-XFMR	In	8,106	8,056	8,114	7,020	9,133	9,046	9,127	7,909
T-1 (BLDG A7)-PRI				**4,827**	**3,904**	**4,832**	**4,180**	**5,404**	**4,070**	**5,261**	**4,680**
	T-1 (BLDG A7)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-1 (BLDG A8-A9)	CABLE	In	33	18	30	29	37	19	32	32
	FDR_T-1 (BLDG A7)	CABLE	In	4,794	3,886	4,803	4,152	5,367	4,051	5,229	4,648
T-1 (BLDG A7)-SEC				**8,116**	**8,071**	**8,125**	**7,029**	**9,156**	**9,074**	**9,151**	**7,929**
	FDR_P-1 (BLDG A7)	CABLE	In	0	0	0	0	0	0	0	0
	T-1 (BLDG A7)	2W-XFMR	In	8,116	8,071	8,125	7,029	9,156	9,074	9,151	7,929
T-1 (BLDG A8-A9)-PRI				**4,776**	**3,852**	**4,771**	**4,136**	**5,302**	**4,004**	**5,162**	**4,591**
	T-1 (BLDG A8-A9)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_SC-1 (BLDG A8-A9)	CABLE	In	33	18	30	29	37	19	32	32
	FDR_T-1 (BLDG A8-A9)	CABLE	In	4,743	3,835	4,742	4,108	5,265	3,986	5,130	4,559
T-1 (BLDG A8-A9)-SEC				**8,114**	**8,068**	**8,123**	**7,027**	**9,152**	**9,069**	**9,146**	**7,925**
	FDR_P-1 (BLDG A8)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_P-1 (BLDG A9)	CABLE	In	0	0	0	0	0	0	0	0
	T-1 (BLDG A8-A9)	2W-XFMR	In	8,114	8,068	8,123	7,027	9,152	9,069	9,146	7,925
T-1 (BLDG C3)-PRI				**4,999**	**4,084**	**5,041**	**4,329**	**5,794**	**4,310**	**5,630**	**5,017**
	T-1 (BLDG C3)	2W-XFMR	In	12	6	11	10	14	7	12	12
	FDR_T-1 (BLDG C4)	CABLE	In	56	31	51	49	65	32	57	57
	FDR_T-1 (BLDG C3)	CABLE	In	4,931	4,046	4,981	4,270	5,715	4,271	5,563	4,949
T-1 (BLDG C3)-SEC				**27,401**	**27,888**	**27,701**	**23,730**	**33,600**	**34,272**	**34,007**	**29,098**
	FDR_SWG-1 (BLDG C3)	CABLE	In	808	548	714	700	991	674	876	858

Bus Name	----------Contributions----------			----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
				3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
	T-1 (BLDG C3)	2W-XFMR	In	26,594	27,340	27,022	23,031	32,610	33,598	33,172	28,241
T-1 (BLDG C4)-PRI				**4,953**	**4,034**	**4,985**	**4,290**	**5,683**	**4,243**	**5,526**	**4,921**
	T-1 (BLDG C4)	2W-XFMR	In	15	8	13	13	17	8	14	14
	FDR_T-1 (13.2kV) (BLDG C5)	CABLE	In	42	23	38	36	48	24	42	42
	FDR_T-1 (BLDG C4)	CABLE	In	4,897	4,004	4,935	4,241	5,618	4,211	5,471	4,865
T-1 (BLDG C4)-SEC				**21,246**	**21,354**	**21,340**	**18,400**	**25,334**	**25,515**	**25,472**	**21,940**
	FDR_SWG-1 (BLDG C4)	CABLE	In	1,007	675	889	872	1,201	806	1,062	1,040
	T-1 (BLDG C4)	2W-XFMR	In	20,242	20,681	20,484	17,530	24,136	24,711	24,450	20,902
T-1 (BLDG C7)-PRI				**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	FDR_T-1 (BLDG C7)	CABLE	In	0	0	0	0	0	0	0	0
	T-1 (BLDG C7)	2W-XFMR	In	0	0	0	0	0	0	0	0
T-1 (BLDG C7)-SEC				**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	FDR_PANEL-A (BLDG C7)	CABLE	In	0	0	0	0	0	0	0	0
	T-1 (BLDG C7)	2W-XFMR	In	0	0	0	0	0	0	0	0
T-1 (BLDG C8)-PRI				**4,601**	**3,679**	**4,564**	**3,984**	**4,981**	**3,791**	**4,848**	**4,314**
	T-1 (BLDG C8)	2W-XFMR	In	14	7	12	12	15	7	13	13
	FDR_T-1 (BLDG C8)	CABLE	In	4,587	3,672	4,552	3,973	4,966	3,784	4,835	4,301
T-1 (BLDG C8)-SEC				**27,874**	**28,406**	**28,289**	**24,140**	**33,774**	**34,622**	**34,382**	**29,249**
	FDR_DS-1 (BLDG C7)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_SG-1 (BLDG C8)	CABLE	In	932	633	825	807	1,129	772	1,003	978
	T-1 (BLDG C8)	2W-XFMR	In	26,946	27,775	27,491	23,336	32,649	33,853	33,413	28,275
T-1 (BLDG Y2)-PRI				**5,467**	**3,364**	**5,076**	**4,734**	**5,562**	**3,384**	**5,149**	**4,817**
	T-1 (BLDG Y2)	2W-XFMR	In	715	293	630	619	728	295	639	630
	FDR_T-1 (BLDG Y2)	CABLE	In	4,780	3,082	4,450	4,140	4,864	3,100	4,514	4,212
T-1 (BLDG Y2)-SEC				**7,627**	**8,607**	**8,550**	**6,605**	**8,103**	**9,296**	**9,184**	**7,017**
	FDR_DP-1 (BLDG Y2)	CABLE	In	1,927	1,450	1,751	1,669	2,047	1,566	1,881	1,773
	T-1 (BLDG Y2)	2W-XFMR	In	5,712	7,166	7,036	4,947	6,069	7,739	7,558	5,256
T-2 (BLDG 22)-PRI				**3,866**	**2,355**	**3,545**	**3,348**	**3,866**	**2,355**	**3,545**	**3,348**
	T-2 (BLDG 22)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-2 (BLDG 22)	CABLE	In	3,866	2,355	3,545	3,348	3,866	2,355	3,545	3,348
T-2 (BLDG 22)-SEC				**1,432**	**1,495**	**1,511**	**1,240**	**1,493**	**1,578**	**1,586**	**1,293**
	FDR_P2-G3 (BLDG 22)	CABLE	In	0	0	0	0	0	0	0	0

Bus Name	----------Contributions----------			----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
				3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
	T-2 (BLDG 22)	2W-XFMR	In	1,432	1,495	1,511	1,240	1,493	1,578	1,586	1,293
T-2 (BLDG 402)-PRI				**4,122**	**2,722**	**3,910**	**3,570**	**4,123**	**2,722**	**3,910**	**3,570**
	T-2 (BLDG 402)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-2 (BLDG 402)	CABLE	In	4,122	2,722	3,910	3,570	4,123	2,722	3,910	3,570
T-2 (BLDG 402)-SEC				**2,861**	**3,137**	**3,175**	**2,478**	**2,958**	**3,294**	**3,313**	**2,562**
	FDR_BREAKER-BOX-2 (BLDG 402)	CABLE	In	0	0	0	0	0	0	0	0
	T-2 (BLDG 402)	2W-XFMR	In	2,861	3,137	3,175	2,478	2,958	3,294	3,313	2,562
T-2 (BLDG C5)-PRI				**6,012**	**4,727**	**5,956**	**5,206**	**6,111**	**4,745**	**6,024**	**5,292**
	T-2 (BLDG C5)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-2 (BLDG C5)	CABLE	In	6,012	4,727	5,956	5,206	6,111	4,745	6,024	5,292
T-2 (BLDG C5)-SEC				**1,491**	**1,545**	**1,530**	**1,291**	**1,611**	**1,676**	**1,657**	**1,395**
	FDR_RP1 (BLDG C5)	CABLE	In	0	0	0	0	0	0	0	0
	T-2 (BLDG C5)	2W-XFMR	In	1,491	1,545	1,530	1,291	1,611	1,676	1,657	1,395
T-20 (BLDG 402)-PRI				**9,158**	**8,062**	**9,263**	**7,931**	**9,861**	**8,355**	**9,809**	**8,540**
	T-20 (BLDG 402)	2W-XFMR	In	294	172	264	254	316	179	279	274
	FDR_T-20 (BLDG 402)	CABLE	In	8,865	7,890	9,005	7,677	9,546	8,176	9,535	8,267
T-20 (BLDG 402)-SEC				**7,309**	**7,961**	**7,776**	**6,330**	**8,218**	**9,023**	**8,788**	**7,117**
	FDR_OP32 (BLDG 402)	CABLE	In	0	0	0	0	0	0	0	0
	FDR_CH-1-BKR(BLDG 402)	CABLE	In	728	529	650	631	819	599	735	709
	T-20 (BLDG 402)	2W-XFMR	In	6,581	7,432	7,166	5,699	7,400	8,424	8,098	6,408
T-OS2-P1 (BLDG 21)-PRI				**17,073**	**12,198**	**16,500**	**14,785**	**17,163**	**12,209**	**16,559**	**14,863**
	T-OS2-P1 (BLDG 21)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-OS2-P1 (BLDG 21)	CABLE	In	17,073	12,198	16,500	14,785	17,163	12,209	16,559	14,863
T-OS2-P1 (BLDG 21)-SEC				**1,571**	**1,591**	**1,588**	**1,361**	**1,708**	**1,734**	**1,728**	**1,479**
	FDR_OS2-P1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	T-OS2-P1 (BLDG 21)	2W-XFMR	In	1,571	1,591	1,588	1,361	1,708	1,734	1,728	1,479
T-OSD2-G1 (BLDG 21)-PRI				**11,258**	**7,551**	**10,616**	**9,749**	**11,263**	**7,552**	**10,620**	**9,754**
	T-OSD2-G1 (BLDG 21)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-OSD2-G1 (BLDG 21)	CABLE	In	11,258	7,551	10,616	9,749	11,263	7,552	10,620	9,754
T-OSD2-G1 (BLDG 21)-SEC				**1,888**	**1,929**	**1,930**	**1,635**	**2,047**	**2,105**	**2,099**	**1,773**
	FDR_OSD2-G1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	T-OSD2-G1 (BLDG 21)	2W-XFMR	In	1,888	1,929	1,930	1,635	2,047	2,105	2,099	1,773

Bus Name	----------Contributions----------			----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
				3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
T-OSD2-G2 (BLDG 21)-PRI				**6,799**	**4,440**	**6,349**	**5,888**	**6,814**	**4,442**	**6,360**	**5,901**
	T-OSD2-G2 (BLDG 21)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-OSD2-G2 (BLDG 21)	CABLE	In	6,799	4,440	6,349	5,888	6,814	4,442	6,360	5,901
T-OSD2-G2 (BLDG 21)-SEC				**4,265**	**4,658**	**4,652**	**3,694**	**4,529**	**5,026**	**4,988**	**3,922**
	FDR_OSD2-G2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	T-OSD2-G2 (BLDG 21)	2W-XFMR	In	4,265	4,658	4,652	3,694	4,529	5,026	4,988	3,922
T-P2-G1 (BLDG 21)-PRI				**8,519**	**5,484**	**7,970**	**7,377**	**8,521**	**5,484**	**7,971**	**7,379**
	T-P2-G1 (BLDG 21)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-P2-G1 (BLDG 21)	CABLE	In	8,519	5,484	7,970	7,377	8,521	5,484	7,971	7,379
T-P2-G1 (BLDG 21)-SEC				**1,854**	**1,905**	**1,909**	**1,606**	**1,995**	**2,067**	**2,063**	**1,727**
	FDR_P2-G1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	T-P2-G1 (BLDG 21)	2W-XFMR	In	1,854	1,905	1,909	1,606	1,995	2,067	2,063	1,727
T-P2-G2 (BLDG 21)-PRI				**4,735**	**2,925**	**4,364**	**4,101**	**4,735**	**2,925**	**4,364**	**4,101**
	T-P2-G2 (BLDG 21)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-P2-G2 (BLDG 21)	CABLE	In	4,735	2,925	4,364	4,101	4,735	2,925	4,364	4,101
T-P2-G2 (BLDG 21)-SEC				**1,757**	**1,837**	**1,853**	**1,522**	**1,848**	**1,958**	**1,963**	**1,601**
	FDR_P2-G2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	T-P2-G2 (BLDG 21)	2W-XFMR	In	1,757	1,837	1,853	1,522	1,848	1,958	1,963	1,601
T-P2-P1 (BLDG 21)-PRI				**19,082**	**13,766**	**18,623**	**16,525**	**19,138**	**13,769**	**18,657**	**16,574**
	T-P2-P1 (BLDG 21)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-P2-P1 (BLDG 21)	CABLE	In	19,082	13,766	18,623	16,525	19,138	13,769	18,657	16,574
T-P2-P1 (BLDG 21)-SEC				**1,579**	**1,596**	**1,594**	**1,367**	**1,715**	**1,739**	**1,734**	**1,485**
	FDR_P2-P1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	T-P2-P1 (BLDG 21)	2W-XFMR	In	1,579	1,596	1,594	1,367	1,715	1,739	1,734	1,485
T-R2-G1 (BLDG 21)-PRI				**6,607**	**4,099**	**6,112**	**5,722**	**6,607**	**4,099**	**6,112**	**5,722**
	T-R2-G1 (BLDG 21)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_T-R2-G1 (BLDG 21)	CABLE	In	6,607	4,099	6,112	5,722	6,607	4,099	6,112	5,722
T-R2-G1 (BLDG 21)-SEC				**2,638**	**2,765**	**2,796**	**2,284**	**2,762**	**2,935**	**2,949**	**2,392**
	FDR_R2-G1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	T-R2-G1 (BLDG 21)	2W-XFMR	In	2,638	2,765	2,796	2,284	2,762	2,935	2,949	2,392
T-R2-G2 (BLDG 21)-PRI				**1,504**	**884**	**1,355**	**1,303**	**1,504**	**884**	**1,355**	**1,303**
	T-R2-G2 (BLDG 21)	2W-XFMR	In	0	0	0	0	0	0	0	0

Bus Name	----------Contributions----------		----------Initial Symmetrical Amps---------- 3 Phase	SLG	LLG	LL	----------Asymmetrical Amps---------- 3 Phase	SLG	LLG	LL
FDR_T-R2-G2 (BLDG 21)	CABLE	In	1,504	884	1,355	1,303	1,504	884	1,355	1,303
T-R2-G2 (BLDG 21)-SEC			**1,615**	**1,838**	**1,935**	**1,398**	**1,619**	**1,852**	**1,946**	**1,402**
FDR_R2-G2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
T-R2-G2 (BLDG 21)	2W-XFMR	In	1,615	1,838	1,935	1,398	1,619	1,852	1,946	1,402
USS1-SWG-A (BLDG 21)			**34,672**	**33,547**	**34,206**	**30,027**	**44,613**	**43,297**	**44,074**	**38,636**
FDR_P4-G3 (BLDG 22)	CABLE	In	0	0	0	0	0	0	0	0
FDR_ATS-2 (BLDG 22)-N	CABLE	In	637	411	561	552	820	530	723	710
PI-0001	PI-EQUI	In	2,468	1,592	2,173	2,137	3,175	2,054	2,800	2,750
FDR_USS1-SWG-A (BLDG 21)	CABLE	In	31,585	31,555	31,592	27,353	40,640	40,726	40,707	35,195
USS1-SWG-B (BLDG 21)			**34,574**	**33,450**	**34,107**	**29,942**	**44,371**	**43,056**	**43,831**	**38,426**
FDR_USS1-SWG-B (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_XFMR-DX2-P2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_D4-P1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_XFMR-DX2-P1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
FDR_ATS-1 (BLDG 21)	CABLE	In	2,468	1,592	2,174	2,138	3,168	2,049	2,794	2,743
PI-0001	PI-EQUI	In	32,112	31,861	32,004	27,810	41,211	41,012	41,129	35,690
X2-G1 (BLDG 21)			**4,107**	**2,702**	**3,891**	**3,557**	**4,107**	**2,702**	**3,891**	**3,557**
FDR_X2-G1 (BLDG 21)	CABLE	In	4,107	2,702	3,891	3,557	4,107	2,702	3,891	3,557
X2-G10 (BLDG 21)			**2,406**	**1,499**	**2,230**	**2,084**	**2,406**	**1,499**	**2,230**	**2,084**
FDR_X2-G10 (BLDG 21)	CABLE	In	2,406	1,499	2,230	2,084	2,406	1,499	2,230	2,084
X2-G12 (BLDG 21)			**1,991**	**1,227**	**1,836**	**1,725**	**1,991**	**1,227**	**1,836**	**1,725**
FDR_X2-G12 (BLDG 21)	CABLE	In	1,991	1,227	1,836	1,725	1,991	1,227	1,836	1,725
X2-G13 (BLDG 21)			**2,815**	**1,807**	**2,633**	**2,438**	**2,815**	**1,807**	**2,633**	**2,438**
FDR_X2-G13 (BLDG 21)	CABLE	In	2,815	1,807	2,633	2,438	2,815	1,807	2,633	2,438
X2-G14 (BLDG 21)			**1,991**	**1,227**	**1,836**	**1,725**	**1,991**	**1,227**	**1,836**	**1,725**
FDR_X2-G14 (BLDG 21)	CABLE	In	1,991	1,227	1,836	1,725	1,991	1,227	1,836	1,725
X2-G15 (BLDG 21)			**1,364**	**873**	**1,276**	**1,181**	**1,364**	**873**	**1,276**	**1,181**
FDR_HEATER1	CABLE	In	0	0	0	0	0	0	0	0
FDR_X2-G15 (BLDG 21)	CABLE	In	1,364	873	1,276	1,181	1,364	873	1,276	1,181
X2-G16 (BLDG 21)			**1,834**	**1,245**	**1,746**	**1,588**	**1,834**	**1,245**	**1,746**	**1,588**
FDR_X2-G16 (BLDG 21)	CABLE	In	1,834	1,245	1,746	1,588	1,834	1,245	1,746	1,588
X2-G17 (BLDG 21)			**1,289**	**820**	**1,203**	**1,116**	**1,289**	**820**	**1,203**	**1,116**

Bus Name	----------Contributions----------			----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
				3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
	FDR_X2-G17 (BLDG 21)	CABLE	In	1,289	820	1,203	1,116	1,289	820	1,203	1,116
X2-G18 (BLDG 21)				**1,289**	**820**	**1,203**	**1,116**	**1,289**	**820**	**1,203**	**1,116**
	FDR_X2-G18 (BLDG 21)	CABLE	In	1,289	820	1,203	1,116	1,289	820	1,203	1,116
X2-G19 (BLDG 21)				**1,221**	**773**	**1,137**	**1,057**	**1,221**	**773**	**1,137**	**1,057**
	FDR_X2-G19 (BLDG 21)	CABLE	In	1,221	773	1,137	1,057	1,221	773	1,137	1,057
X2-G2 (BLDG 21)				**4,107**	**2,702**	**3,891**	**3,557**	**4,107**	**2,702**	**3,891**	**3,557**
	FDR_X2-G2 (BLDG 21)	CABLE	In	4,107	2,702	3,891	3,557	4,107	2,702	3,891	3,557
X2-G20 (BLDG 21)				**1,221**	**773**	**1,137**	**1,057**	**1,221**	**773**	**1,137**	**1,057**
	FDR_X2-G20 (BLDG 21)	CABLE	In	1,221	773	1,137	1,057	1,221	773	1,137	1,057
X2-G21 (BLDG 21)				**1,589**	**1,055**	**1,501**	**1,376**	**1,589**	**1,055**	**1,502**	**1,376**
	FDR_X2-G21 (BLDG 21)	CABLE	In	1,589	1,055	1,501	1,376	1,589	1,055	1,502	1,376
X2-G22 (BLDG 21)				**1,160**	**731**	**1,079**	**1,005**	**1,160**	**731**	**1,079**	**1,005**
	FDR_X2-G22 (BLDG 21)	CABLE	In	1,160	731	1,079	1,005	1,160	731	1,079	1,005
X2-G3 (BLDG 21)				**3,499**	**2,254**	**3,288**	**3,030**	**3,499**	**2,254**	**3,288**	**3,030**
	FDR_X2-G3 (BLDG 21)	CABLE	In	3,499	2,254	3,288	3,030	3,499	2,254	3,288	3,030
X2-G4 (BLDG 21)				**4,129**	**2,775**	**3,927**	**3,576**	**4,130**	**2,775**	**3,927**	**3,577**
	FDR_X2-G4 (BLDG 21)	CABLE	In	4,129	2,775	3,927	3,576	4,130	2,775	3,927	3,577
X2-G5 (BLDG 21)				**4,129**	**2,775**	**3,927**	**3,576**	**4,130**	**2,775**	**3,927**	**3,577**
	FDR_X2-G5 (BLDG 21)	CABLE	In	4,129	2,775	3,927	3,576	4,130	2,775	3,927	3,577
X2-G7 (BLDG 21)				**2,406**	**1,499**	**2,230**	**2,084**	**2,406**	**1,499**	**2,230**	**2,084**
	FDR_X2-G7 (BLDG 21)	CABLE	In	2,406	1,499	2,230	2,084	2,406	1,499	2,230	2,084
X2-G8 (BLDG 21)				**2,406**	**1,499**	**2,230**	**2,084**	**2,406**	**1,499**	**2,230**	**2,084**
	FDR_X2-G8 (BLDG 21)	CABLE	In	2,406	1,499	2,230	2,084	2,406	1,499	2,230	2,084
X2-G9 (BLDG 21)				**2,406**	**1,499**	**2,230**	**2,084**	**2,406**	**1,499**	**2,230**	**2,084**
	FDR_X2-G9 (BLDG 21)	CABLE	In	2,406	1,499	2,230	2,084	2,406	1,499	2,230	2,084
XFMR (OP-22)-PRI				**4,853**	**3,212**	**4,629**	**4,202**	**4,853**	**3,212**	**4,629**	**4,203**
	XFMR (OP-22)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_XFMR (OP-22)	CABLE	In	4,853	3,212	4,629	4,202	4,853	3,212	4,629	4,203
XFMR (OP-22)-SEC				**3,057**	**3,319**	**3,356**	**2,647**	**3,139**	**3,449**	**3,470**	**2,718**
	FDR_OP-22 (BLDG 402)	CABLE	In	0	0	0	0	0	0	0	0
	XFMR (OP-22)	2W-XFMR	In	3,057	3,319	3,356	2,647	3,139	3,449	3,470	2,718

Bus Name	----------Contributions----------			----------Initial Symmetrical Amps----------				----------Asymmetrical Amps----------			
				3 Phase	SLG	LLG	LL	3 Phase	SLG	LLG	LL
XFMR-DX2-P1 (BLDG 21)-PRI				**25,034**	**21,395**	**24,346**	**21,680**	**29,087**	**23,891**	**27,871**	**25,190**
	XFMR-DX2-P1 (BLDG 21)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_XFMR-DX2-P1 (BLDG 21)	CABLE	In	25,034	21,395	24,346	21,680	29,087	23,891	27,871	25,190
XFMR-DX2-P1 (BLDG 21)-SEC				**12,928**	**13,970**	**13,547**	**11,196**	**15,227**	**16,473**	**15,967**	**13,187**
	FDR_DX2-P1 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	XFMR-DX2-P1 (BLDG 21)	2W-XFMR	In	12,928	13,970	13,547	11,196	15,227	16,473	15,967	13,187
XFMR-DX2-P2 (BLDG 21)-PRI				**14,278**	**10,726**	**13,551**	**12,365**	**15,452**	**11,245**	**14,522**	**13,382**
	XFMR-DX2-P2 (BLDG 21)	2W-XFMR	In	0	0	0	0	0	0	0	0
	FDR_XFMR-DX2-P2 (BLDG 21)	CABLE	In	14,278	10,726	13,551	12,365	15,452	11,245	14,522	13,382
XFMR-DX2-P2 (BLDG 21)-SEC				**5,367**	**5,674**	**5,562**	**4,648**	**6,143**	**6,520**	**6,381**	**5,320**
	FDR_DX2-P2 (BLDG 21)	CABLE	In	0	0	0	0	0	0	0	0
	XFMR-DX2-P2 (BLDG 21)	2W-XFMR	In	5,367	5,674	5,562	4,648	6,143	6,520	6,381	5,320