

Project:
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ETAP
12.6.0H

Study Case: LF

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Branch Losses Summary Report

CKT / Branch ID	From-To Bus Flow		To-From Bus Flow		Losses		% Bus Voltage		Vd % Drop in Vmag
	MW	Mvar	MW	Mvar	kW	kvar	From	To	
Cable1	203.814	52.957	-203.701	-52.737	112.9	219.8	99.8	99.7	0.08
Cable3	203.814	52.957	-203.701	-52.737	112.9	219.8	99.8	99.7	0.08
Line1	-147.441	-40.131	147.627	40.557	186.3	426.0	99.8	100.0	0.22
Line3	-294.882	-80.156	295.255	81.221	372.6	1065.5	99.8	100.0	0.22
T1	34.695	14.373	-34.679	-13.712	15.7	660.8	99.8	99.1	0.70
Line15	186.126	52.577	-184.493	-48.668	1632.7	3908.4	99.7	98.3	1.44
Line16	186.126	52.577	-184.493	-48.668	1632.7	3908.4	99.7	98.3	1.44
T2	35.150	0.321	-34.933	0.217	217.7	537.6	99.7	99.1	0.62
Line4	17.403	3.374	-17.352	-3.258	50.6	115.9	99.1	98.7	0.41
Line5	17.403	3.374	-17.352	-3.258	50.6	115.9	99.1	98.7	0.41
Line7	17.403	3.374	-17.352	-3.258	50.6	115.9	99.1	98.7	0.41
Line6	17.403	3.374	-17.352	-3.258	50.6	115.9	99.1	98.7	0.41
Line44	11.679	4.921	-11.654	-4.856	25.1	65.3	98.7	98.3	0.39
Line45	11.944	5.034	-11.918	-4.966	26.3	68.5	98.7	98.3	0.40
Line46	11.944	5.034	-11.918	-4.966	26.3	68.5	98.7	98.3	0.40
Line47	11.944	5.034	-11.918	-4.966	26.3	68.5	98.7	98.3	0.40
Line48	10.948	5.025	-10.926	-4.966	22.7	58.5	98.7	98.3	0.39
Line49	10.948	5.025	-10.926	-4.966	22.7	58.5	98.7	98.3	0.39
Line14	48.127	15.583	-47.704	-14.654	422.5	929.4	97.9	96.5	1.32
Cable7	-132.656	-29.358	132.704	29.453	48.5	94.5	98.2	98.3	0.05
Cable8	-132.656	-29.358	132.704	29.453	48.5	94.5	98.2	98.3	0.05
Line27	92.171	16.118	-91.608	-15.488	563.0	630.0	98.2	97.3	0.88
Line28	95.035	15.657	-94.439	-14.985	596.4	672.5	98.2	97.3	0.88
T5	78.106	26.942	-78.085	-26.057	21.1	884.3	98.2	97.9	0.36
T6	103.578	38.431	-103.548	-37.167	30.1	1263.7	98.3	97.9	0.41
Line17	44.502	15.880	-44.133	-15.001	368.6	879.0	97.9	96.5	1.32
Line18	44.502	15.880	-44.133	-15.001	368.6	879.0	97.9	96.5	1.32
Line19	44.502	15.880	-44.133	-15.001	368.6	879.0	97.9	96.5	1.32
Line56	29.643	12.752	-29.473	-12.280	170.1	471.9	96.5	95.5	1.02
Line57	29.643	12.752	-29.473	-12.280	170.1	471.9	96.5	95.5	1.02
Line58	29.630	12.846	-29.459	-12.275	170.3	571.2	96.5	95.4	1.14
Line59	29.643	12.752	-29.473	-12.280	170.1	471.9	96.5	95.5	1.02
Line60	27.940	11.997	-27.789	-11.579	151.0	418.4	96.5	95.6	0.97
Line61	33.606	12.865	-33.394	-12.277	211.5	587.9	96.5	95.4	1.09
Line26	40.181	13.366	-39.877	-12.682	303.9	684.1	96.6	95.4	1.15

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	MW	Mvar	MW	Mvar	kW	kvar	From	To	
Cable11	-41.080	-12.758	41.085	12.768	5.0	9.6	97.3	97.3	0.02
Cable12	-41.080	-12.758	41.085	12.768	5.0	9.6	97.3	97.3	0.02
Line33	13.427	-4.428	-13.416	3.582	11.1	-846.0	97.3	97.3	0.01
Line34	13.427	-4.428	-13.416	3.582	11.1	-846.0	97.3	97.3	0.01
T9	55.307	34.371	-55.280	-33.477	26.2	895.0	97.3	96.6	0.73
T10	103.876	21.519	-103.319	-20.143	557.1	1376.1	97.3	96.6	0.75
Line29	38.056	13.523	-37.779	-12.865	276.4	657.9	96.6	95.4	1.15
Line30	40.181	13.366	-39.877	-12.682	303.9	684.1	96.6	95.4	1.15
Line31	40.181	13.366	-39.877	-12.682	303.9	684.1	96.6	95.4	1.15
Line62	25.578	11.126	-25.448	-10.767	130.0	359.6	95.4	94.5	0.90
Line63	25.578	11.126	-25.448	-10.767	130.0	359.6	95.4	94.5	0.90
Line64	26.564	11.150	-26.425	-10.766	138.7	383.9	95.4	94.5	0.92
Line65	26.564	11.150	-26.425	-10.766	138.7	383.9	95.4	94.5	0.92
Line66	26.564	11.150	-26.425	-10.766	138.7	383.9	95.4	94.5	0.92
Line67	26.564	11.150	-26.425	-10.766	138.7	383.9	95.4	94.5	0.92
Line32	6.694	-1.890	-6.686	1.904	8.0	13.9	97.5	97.5	0.03
Cable13	-3.741	2.072	3.741	-2.072	0.0	0.1	97.3	97.3	0.00
Cable14	-3.741	2.072	3.741	-2.072	0.0	0.1	97.3	97.3	0.00
T11	7.482	-4.144	-7.436	4.259	46.4	114.6	97.3	97.5	0.18
T12	19.349	-3.020	-19.340	3.303	9.6	283.3	97.3	97.5	0.18
Line35	6.694	-1.890	-6.686	1.904	8.0	13.9	97.5	97.5	0.03
Line36	6.694	-1.890	-6.686	1.904	8.0	13.9	97.5	97.5	0.03
Line37	6.694	-1.890	-6.686	1.904	8.0	13.9	97.5	97.5	0.03
Line74	8.914	3.002	-8.900	-2.967	14.2	34.8	97.5	97.2	0.27
Line75	8.914	3.002	-8.900	-2.967	14.2	34.8	97.5	97.2	0.27
Line76	8.914	3.002	-8.900	-2.967	14.2	34.8	97.5	97.2	0.27
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