

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	203.791	53.100	-203.678	-52.880	112.9	219.9	99.8	99.7	0.08
Cable3	203.791	53.100	-203.678	-52.880	112.9	219.9	99.8	99.7	0.08
Line1	-147.425	-40.227	147.612	40.653	186.3	426.0	99.8	100.0	0.22
Line3	-294.851	-80.347	295.223	81.413	372.6	1065.7	99.8	100.0	0.22
T1	34.694	14.374	-34.679	-13.713	15.7	660.8	99.8	99.1	0.70
Line15	186.103	52.720	-184.470	-48.812	1632.6	3908.4	99.7	98.3	1.44
Line16	186.103	52.720	-184.470	-48.812	1632.6	3908.4	99.7	98.3	1.44
T2	35.151	0.320	-34.933	0.217	217.7	537.7	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	48.111	15.583	-47.688	-14.653	422.7	929.9	97.8	96.5	1.32
Cable7	-137.778	-31.302	137.830	31.404	52.5	102.2	98.2	98.3	0.05
Cable8	-137.778	-31.302	137.830	31.404	52.5	102.2	98.2	98.3	0.05
Line27	92.170	16.120	-91.607	-15.490	563.0	630.2	98.2	97.3	0.88
Line28	95.034	15.659	-94.437	-14.986	596.5	672.7	98.2	97.3	0.88
T5	88.352	30.824	-88.325	-29.690	27.0	1134.4	98.2	97.8	0.41
T6	93.280	34.815	-93.249	-33.532	30.5	1283.0	98.3	97.8	0.46
Line17	44.488	15.880	-44.119	-15.000	368.8	879.5	97.8	96.5	1.32
Line18	44.488	15.880	-44.119	-15.000	368.8	879.5	97.8	96.5	1.32
Line19	44.488	15.880	-44.119	-15.000	368.8	879.5	97.8	96.5	1.32
Line56	29.637	12.750	-29.466	-12.278	170.2	472.2	96.5	95.5	1.02
Line57	29.637	12.750	-29.466	-12.278	170.2	472.2	96.5	95.5	1.02
Line58	29.623	12.844	-29.453	-12.272	170.5	571.7	96.5	95.3	1.14
Line59	29.637	12.750	-29.466	-12.278	170.2	472.2	96.5	95.5	1.02
Line60	27.913	11.986	-27.762	-11.567	150.9	418.1	96.5	95.5	0.96
Line61	33.599	12.863	-33.387	-12.275	211.6	588.4	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	-12.759	41.084	12.768	5.0	9.6	97.3	97.3	0.02
Cable12	-41.080	-12.759	41.084	12.768	5.0	9.6	97.3	97.3	0.02
Line33	13.427	-4.427	-13.416	3.581	11.1	-845.9	97.3	97.3	0.01
Line34	13.427	-4.427	-13.416	3.581	11.1	-845.9	97.3	97.3	0.01
T9	55.306	34.372	-55.280	-33.477	26.2	895.0	97.3	96.6	0.73
T10	103.875	21.520	-103.318	-20.143	557.2	1376.2	97.3	96.6	0.75
Line29	38.055	13.523	-37.779	-12.865	276.4	658.0	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	-10.766	130.0	359.6	95.4	94.5	0.90
Line63	25.578	11.126	-25.448	-10.766	130.0	359.6	95.4	94.5	0.90
Line64	26.563	11.150	-26.425	-10.766	138.7	383.9	95.4	94.5	0.92
Line65	26.563	11.150	-26.425	-10.766	138.7	383.9	95.4	94.5	0.92
Line66	26.563	11.150	-26.425	-10.766	138.7	383.9	95.4	94.5	0.92
Line67	26.563	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	4.258	46.4	114.6	97.3	97.5	0.18
T12	19.349	-3.019	-19.339	3.302	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	3.001	-8.900	-2.967	14.2	34.8	97.5	97.2	0.27
Line75	8.914	3.001	-8.900	-2.967	14.2	34.8	97.5	97.2	0.27
Line76	8.914	3.001	-8.900	-2.967	14.2	34.8	97.5	97.2	0.27
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