Branch Losses Summary Report

CKT / Branch	From-To Bus Flow		To-From Bus Flow		Losses		% Bus Voltage		Vd % Drop
ID	MW	Mvar	MW	Mvar	kW	kvar	From	To	in Vmag
Alfas	-12.864	-7.979	12.971	8.070	106.7	90.4	98.8	99.8	0.90
T11	4.204	2.813	-4.188	-2.595	16.8	218.1	98.8	96.3	2.58
T12	4.204	2.813	-4.188	-2.595	16.8	218.1	98.8	96.3	2.58
T14	4.455	2.352	-4.445	-2.153	10.0	199.6	98.8	96.9	1.94
Cable1	14.060	5.578	-14.043	-5.644	17.7	-65.5	100.0	99.8	0.18
Cable2	14.238	5.150	-14.216	-5.207	21.7	-57.0	100.0	99.8	0.20
Cable3	13.000	8.095	-12.971	-8.070	29.3	24.9	100.0	99.8	0.25
Cable4	14.191	5.515	-14.169	-5.572	21.9	-56.6	100.0	99.8	0.20
Cable5	13.820	6.332	-13.798	-6.389	21.9	-56.7	100.0	99.8	0.21
Cable9	13.104	7.726	-13.075	-7.702	29.0	24.5	100.0	99.8	0.25
Cable10	13.974	6.237	-13.945	-6.212	29.3	24.8	100.0	99.8	0.24
Husan+west	14.043	5.644	-14.022	-5.720	21.0	-76.8	99.8	99.6	0.21
umaldaleh+haraeq	14.216	5.207	-14.151	-5.441	65.0	-234.0	99.8	99.2	0.64
alras	14.169	5.572	-14.161	-5.601	8.2	-29.4	99.8	99.7	0.08
alduhdah	13.798	6.389	-13.741	-6.593	57.4	-204.0	99.8	99.2	0.59
Cable11	13.945	6.212	-13.915	-6.188	29.3	24.8	99.8	99.5	0.24
umaldaleh mpc	13.075	7.702	-13.012	-7.987	62.4	-285.0	99.8	99.1	0.68
T3	6.832	3.386	-6.794	-2.894	37.8	491.9	99.2	96.1	3.12
T31	6.909	3.207	-6.872	-2.716	37.8	490.9	99.2	96.2	2.97
T8	-7.043	-2.315	7.081	2.800	37.3	485.5	97.1	99.7	2.62
T9	7.081	2.800	-7.043	-2.315	37.3	485.5	99.7	97.1	2.62
alharayeq	14.151	5.441	-14.107	-5.595	44.5	-154.6	99.2	98.7	0.44
T19	-7.016	-2.306	7.053	2.798	37.8	491.8	96.1	98.7	2.64
T20	7.053	2.798	-7.016	-2.306	37.8	491.8	98.7	96.1	2.64
T22	-5.440	-3.371	5.457	3.712	17.0	340.9	96.1	99.1	3.00
west	14.022	5.720	-13.983	-5.860	39.1	-140.1	99.6	99.2	0.39
T23	-7.506	-3.635	7.555	4.275	49.2	639.2	95.2	99.1	3.89
T25	-6.802	-2.898	6.840	3.388	37.7	489.8	96.4	99.5	3.12
T26	7.075	2.800	-7.038	-2.313	37.4	486.7	99.5	96.9	2.63
T28	-7.040	-2.314	7.062	2.763	22.4	448.8	97.0	99.2	2.26
T29	6.921	3.098	-6.892	-2.724	28.8	374.0	99.2	97.0	2.25
					1066.3	5182.2			