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38th LCA Discussion Forum

Integrated Modelling and Analysis of Power and Transportation Systems

Matthias D. Galus Power Systems Laboratory-ETHZ































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Implications for LCA of PHEVs / EVs in the System Table 1: Transformer LOL and expected life					
		results LOL (normalized)	Expected Life (years)		
	Without PHEVs, 20 ⁰ C	7.7588·10 ⁻⁶	353.11		
	With PHEVs, 20 °C	10.6.10-5	25.85		
	Without PHEVs, 30 ^o C	2.2.10-5	124.3		
	With PHEVs, 30 °C	2.67.10-4	10.25		
C.Roe, et al.: International (Power System Level Impacts o Conference on System Science	f PHEVs, IEEE Proceedings o s - 2009	of the 42nd Hawaii	-	
19.06.2009		Matthias Galus (PSL-EEH)			



