Name of BREEZ applicant SME / Organisation		
Name of Preferred Contractor		
A) Rate per kWh for electricity	£___.___ per kWh (electric heating only)	
B) Rate paid kWh for gas	£__ per kWh (gas heating only)	
C) Operational hours per year of SME /Org NB – 6 winter months only – or- provide evidence of additional hours	operational hours per week _____ multiplied by _____ operational weeks per year _____ = operational hrs per year _____ Op hrs per year divided by 2 (6 months) = _____	If more than 6 months needed for heating please advise why here.
D) Total kW capacity of existing system/s	_____ kW	Expressed as kW
E) Estimated efficiency of existing system/s	_____ **%**	Use 65% (or 0.65) for gas systems 10yrs+> BREEZ will not support upgrading gas boilers less than 10yrs old.
F) Heat delivered kWh	**D** x **C** x (**E**/100) = _____ kWh	Capacity of boiler multiplied by operational hours multiplied by the efficiency (eg 65% = 0.65)
G) Total kW capacity of proposed new system	_____ kW	Expressed as kW
H) Efficiency of proposed new system	_____ **%**	Use 92% (or 0.92) for new gas boilers systems
I) gas consumption of new system	**F** x 1/(**H**/100) _____ kWh	Expressed as kWh
Expected lifetime of proposed new system **(LTS)**	_____ Years	eg 12 years for new gas boilers or 20 years for Air Source Heat Pump
J) Upfront cost of proposed new system/s (ex vat)	£_____	Cost of unit, parts and labour EX VAT
K) kWh per year savings old system v proposed new system	(**C** x **D**) minus **I** = _____ kWh	Expressed as kWh
L) Running cost savings old system	**K x B** = £_____	Expressed as £

against new per year		
Carbon Savings (tonnes LTS)	**(K x carbon factor x LTS) /1000** _____	Use gas carbon factor **0.18293** Electricity carbon factor **0.**22499
Payback period (Years)	Upfront cost **J** divided by annual saving **L** _____ i.e **J/L =**	_____ Years
Additional comments This is like for like boiler replacement energy saving calculation tool. If the new system has also upgraded the heating controls and programmer etc please ensure they are itemised on the quote and supported by a brief description compared against the existing controls and BREEZ will assign the additional savings to this proposition		