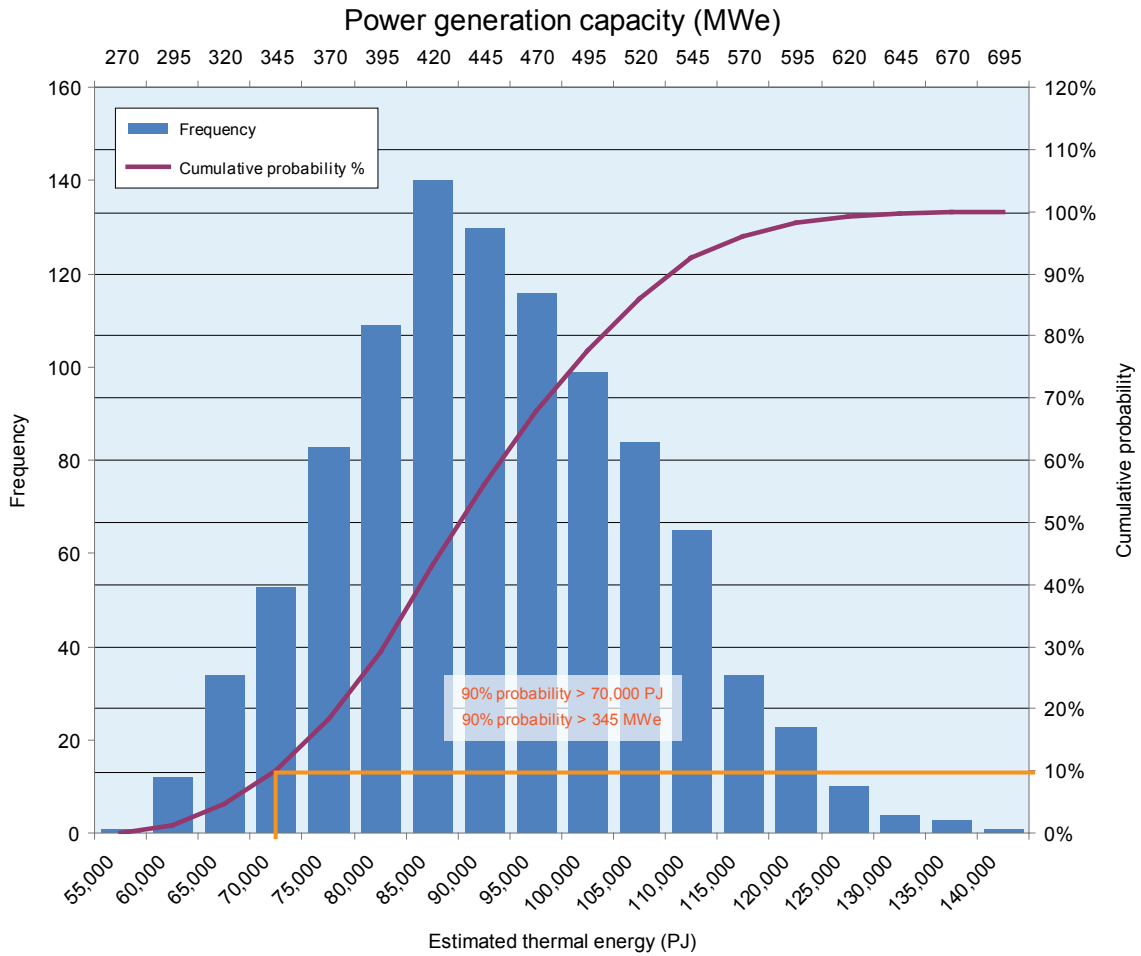


Appendix 3

Monte Carlo simulations (thermal energy estimates)

Hillsborough Basin - GSQ Bowen 1

Estimated thermal energy (Monte Carlo simulation)



Input Parameters	Minimum	Most Likely	Maximum
Resource surface area (km ²)	410	456	502
Resource thickness (m)	1008	1120	1232
Resource mean temperature (°C)	163	177	191
Rock density (kg/m ³)	2583	2870	3157
Rock specific heat capacity (J/kg°C)	810	900	990

Recovery factor: 5%

Thermal conversion efficiency: 7%

Plant life time (years): 25

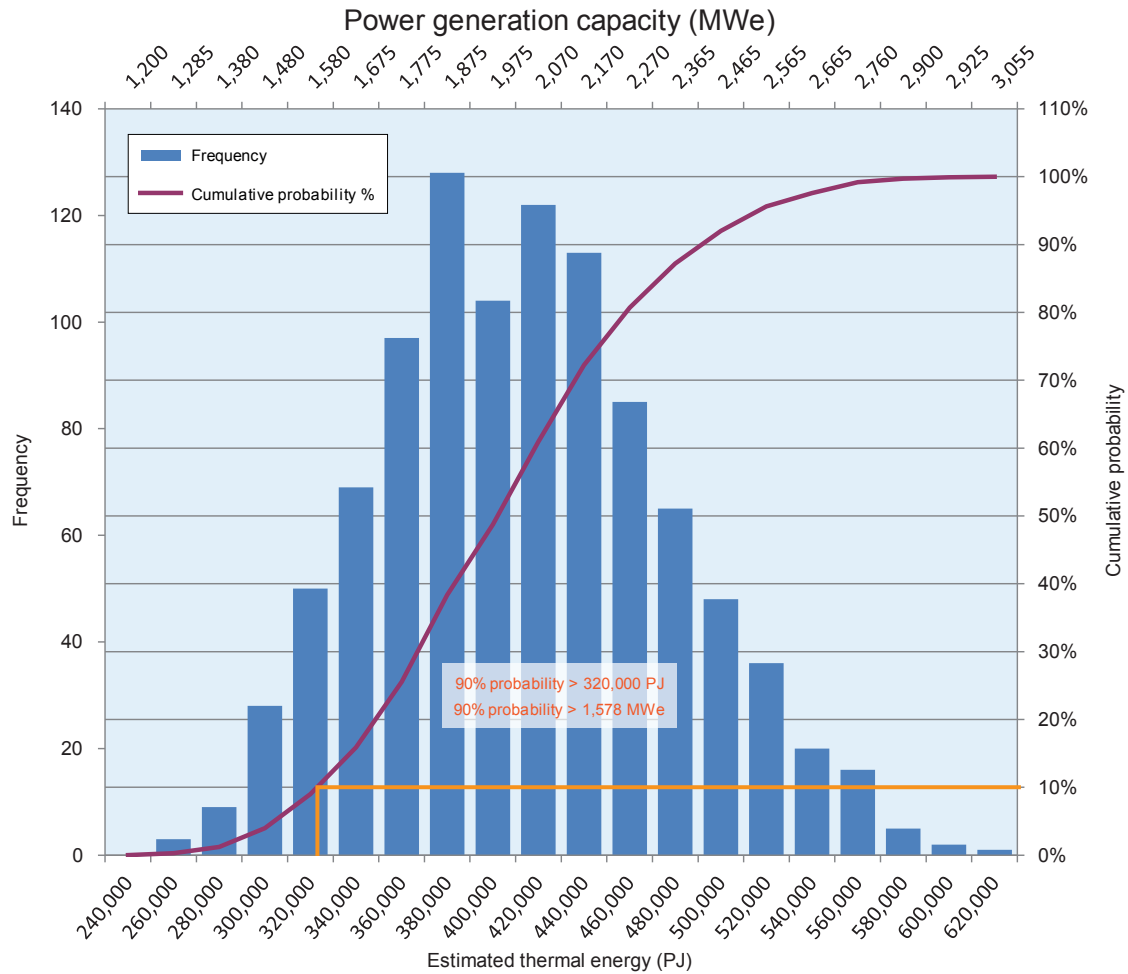
Plant capacity factor: 90%

Reference temperature (°C): 110

Statistics	Total Thermal Energy (PJ)	Equivalent Power Capacity (MWe)
Trials	1000	1000
Base case	88,591	437
Minimum	54,597	269
Maximum	137,578	679
Mean	88,546	437
Median	87,567	432
Variance	213,327,291	5,190
Standard deviation	14,606	72
Mean std. error	8	118
Skewness	0.2706	0.2706
Kurtosis	-0.22	-0.22

Maryborough Basin - GSQ Maryborough 16 (inferred resource area)

Estimated thermal energy (Monte Carlo simulation)



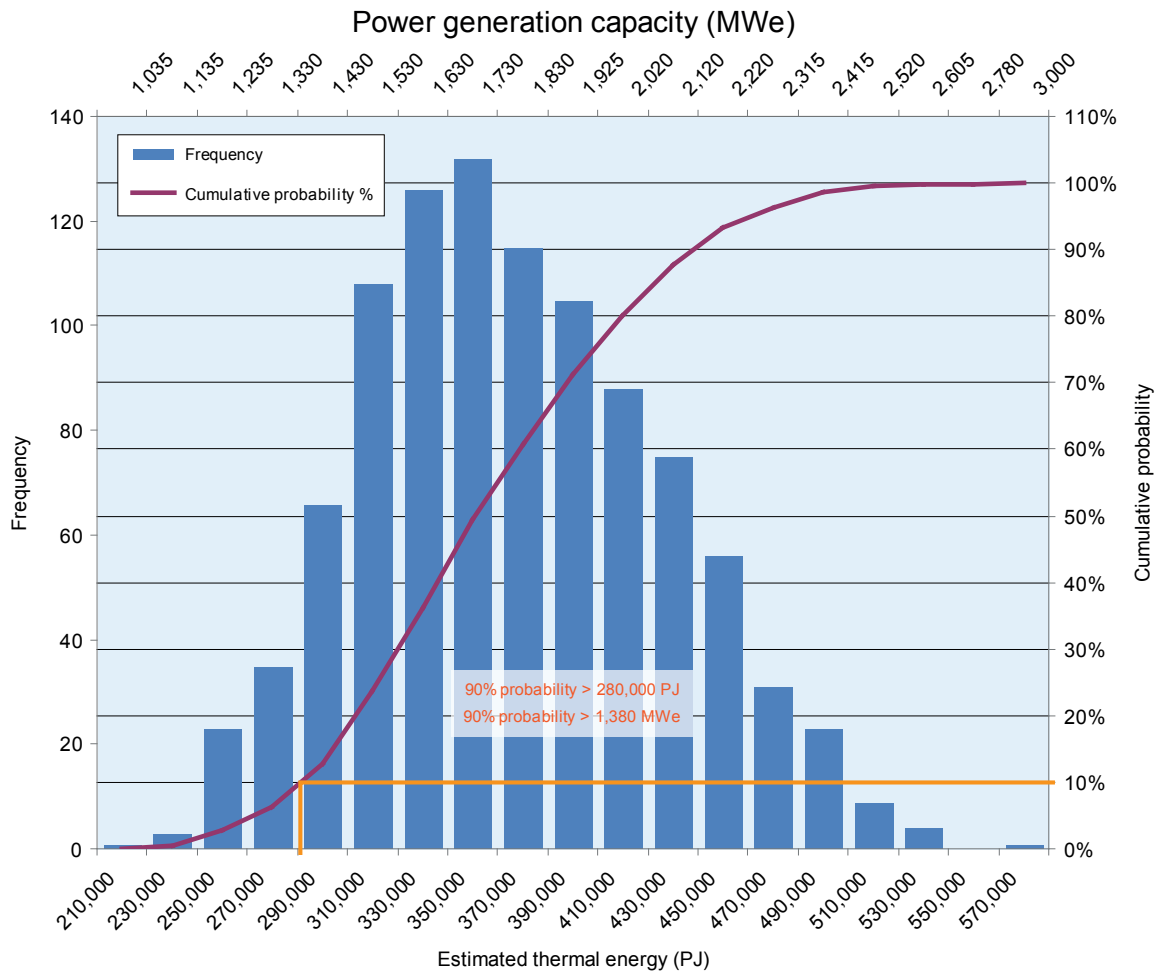
Input Parameters	Minimum	Most Likely	Maximum
Resource surface area (km ²)	1318	1465	1611
Resource thickness (m)	1479	1643	1808
Resource mean temperature (°C)	166	179	192
Rock density (kg/m ³)	2412	2680	2948
Rock specific heat capacity (J/kg°C)	819	910	1001

Recovery factor: 5%
 Thermal conversion efficiency: 7%
 Plant life time (years): 25
 Plant capacity factor: 90%
 Reference temperature (°C): 110

Statistics	Total Thermal Energy (PJ)	Equivalent Power Capacity (MWe)
Trials	1000	1000
Base case	402,565.13	1,985.71
Minimum	244,928.60	1,208.14
Maximum	618,848.86	3,052.56
Mean	404,072.73	1,993.14
Median	401,397.01	1,979.94
Variance	4,033,826,496.41	98,146.55
Standard deviation	63,512.41	313.28
Mean std. error	3.97	56.50
Skewness	0.2677	0.2677
Kurtosis	-0.26	-0.26

Surat Basin - GSQ Roma 9-10R (Roma Shelf)

Estimated thermal energy (Monte Carlo simulation)



Input Parameters	Minimum	Most Likely	Maximum
Resource surface area (km ²)	2359	2621	2883
Resource thickness (m)	863	959	1055
Resource mean temperature (°C)	156	169	181
Rock density (kg/m ³)	2412	2680	2948
Rock specific heat capacity (J/kg°C)	810	900	990

Recovery factor: 5%

Thermal conversion efficiency: 7%

Plant life time (years): 25

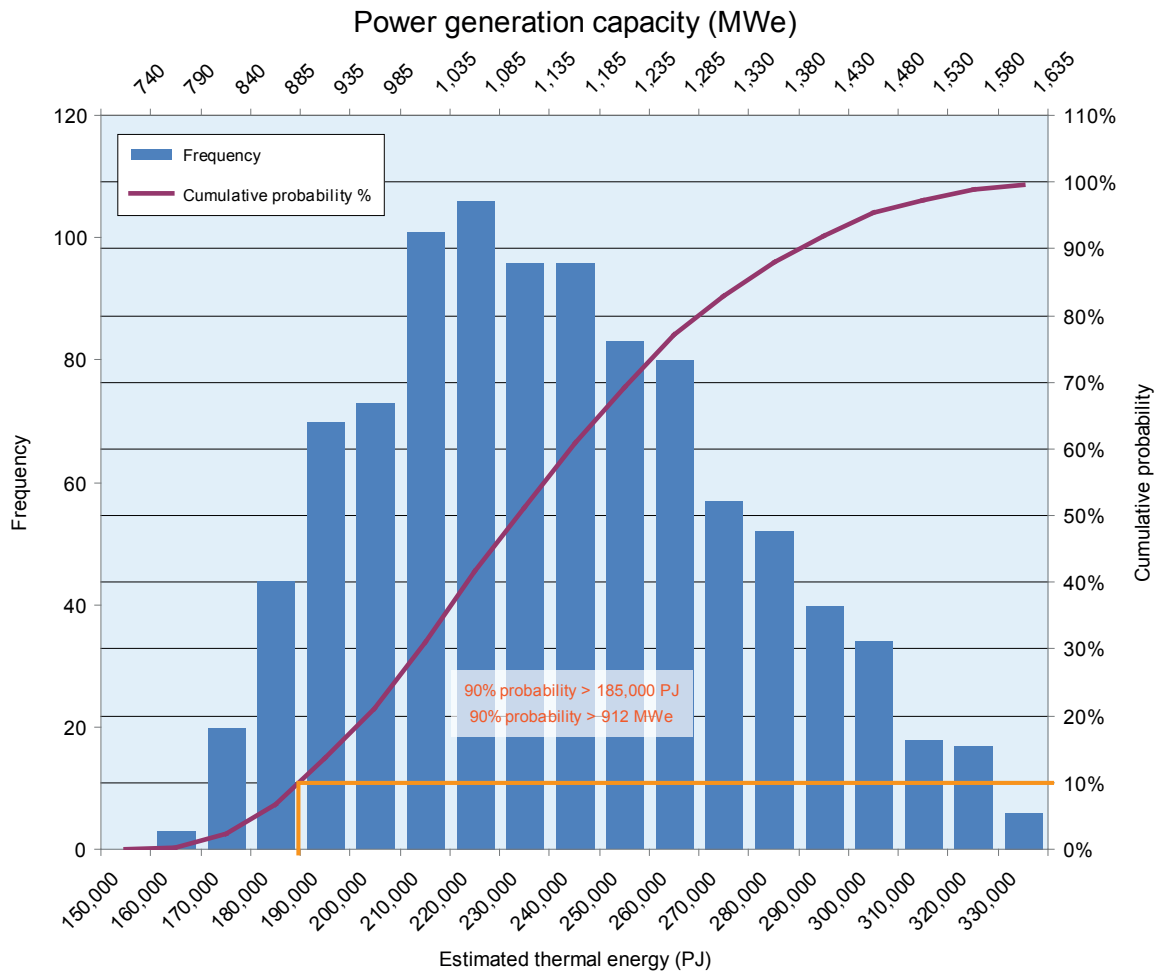
Plant capacity factor: 90%

Reference temperature (°C): 110

Statistics	Total Thermal Energy (PJ)	Equivalent Power Capacity (MWe)
Trials	1000	1000
Base case	355,057	1,751
Minimum	209,964	1,036
Maximum	564,904	2,786
Mean	356,337	1,758
Median	351,480	1,734
Variance	3,589,467,757	87,335
Standard deviation	59,912	296
Mean std. error	4	58
Skewness	0.2890	0.2890
Kurtosis	-0.33	-0.33

Millungera Basin - GSQ Dobbyn 2 (Area A)

Estimated thermal energy (Monte Carlo simulation)



Input Parameters	Minimum	Most Likely	Maximum
Resource surface area (km ²)	509	565	622
Resource thickness (m)	1585	1761	1937
Resource mean temperature (°C)	177	191	205
Rock density (kg/m ³)	2592	2880	3168
Rock specific heat capacity (J/kg°C)	900	1000	1100

Recovery factor: 5%

Thermal conversion efficiency: 7%

Plant life time (years): 25

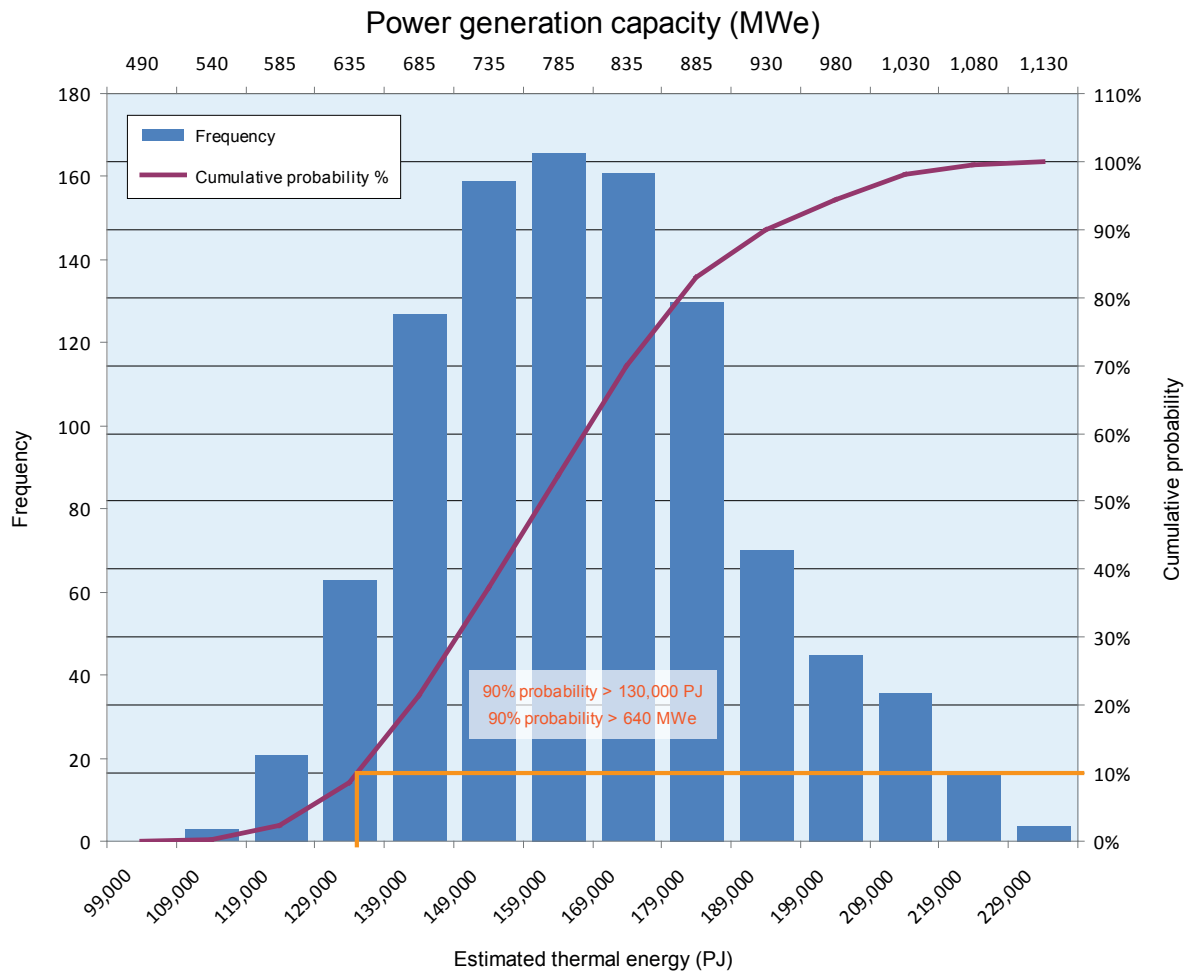
Plant capacity factor: 90%

Reference temperature (°C): 110

Statistics	Total Thermal Energy (PJ)	Equivalent Power Capacity (MWe)
Trials	1000	1000
Base case	231,433	1,142
Minimum	150,610	743
Maximum	350,905	1,731
Mean	232,174	1,145
Median	229,079	1,130
Variance	1,387,281,135	33,754
Standard deviation	37,246	184
Mean std. error	5	74
Skewness	0.3828	0.3828
Kurtosis	-0.41	-0.41

Millungera Basin - GSQ Dobbyn 2 (Area B)

Estimated thermal energy (Monte Carlo simulation)



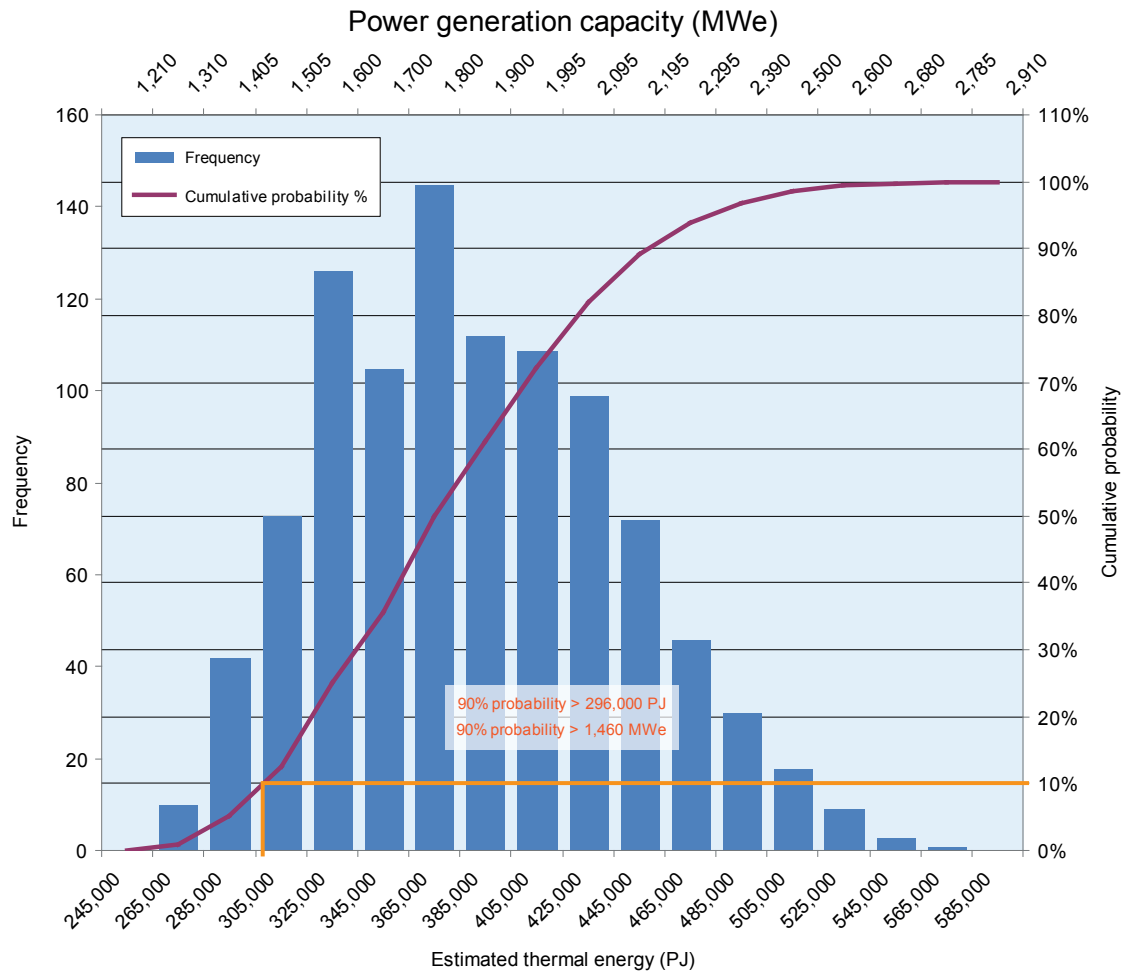
Input Parameters	Minimum	Most Likely	Maximum
Resource surface area (km ²)	305	339	373
Resource thickness (m)	1712	1902	2092
Resource mean temperature (°C)	183	195	207
Rock density (kg/m ³)	2592	2880	3168
Rock specific heat capacity (J/kg°C)	900	1000	1100

Recovery factor: 5%
 Thermal conversion efficiency: 7%
 Plant life time (years): 25
 Plant capacity factor: 90%
 Reference temperature (°C): 110

Statistics	Total Thermal Energy (PJ)	Equivalent Power Capacity (MWe)
Trials	1000	1000
Base case	157,805	778
Minimum	99,182	489
Maximum	225,091	1,110
Mean	157,869	779
Median	157,036	775
Variance	507,925,783	12,358
Standard deviation	22,537	111
Mean std. error	7	95
Skewness	0.3592	0.3592
Kurtosis	-0.22	-0.22

Millungera Basin - GSQ Julia Creek 1

Estimated thermal energy (Monte Carlo simulation)



Input Parameters	Minimum	Most Likely	Maximum
Resource surface area (km ²)	763	848	933
Resource thickness (m)	1630	1811	1992
Resource mean temperature (°C)	179	194	209
Rock density (kg/m ³)	2592	2880	3168
Rock specific heat capacity (J/kg°C)	900	1000	1100

Recovery factor: 5%
 Thermal conversion efficiency: 7%
 Plant life time (years): 25
 Plant capacity factor: 90%
 Reference temperature (°C): 110

Statistics	Total Thermal Energy (PJ)	Equivalent Power Capacity (MWe)
Trials	1000	1000
Base case	372,499	1,837
Minimum	245,851	1,213
Maximum	590,904	2,915
Mean	370,702	1,829
Median	364,967	1,800
Variance	3,309,944,254	80,534
Standard deviation	57,532	284
Mean std. error	4	59
Skewness	0.3758	0.3758
Kurtosis	-0.24	-0.24