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Group Assignment

**CEE1IEE Final Report Assessment Sheet**

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| **Group Name/Student Names: Group 4**. Mustafe Mohamed, Joe Ironside, James Wiktorowicz, Qihong Jiang,  Matthew Holden  **Supervisor:** |

The following sections are included for your guidance and to help you rank the groups.

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| **Group Writing Skills [0 – 10 marks, to 0.5 mark accuracy]:**  Structure and fitness for purpose.  Clear introduction, easy to read and general flow.  Edited to remove repetitions; adequate coverage of important areas.  Thoroughly checked before submission. | 6 |

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| **Technical and Analytic Content [0 – 20 marks, to 0.5 mark accuracy]:**  Analytic understanding of the problem.  Performance modelling. Technical progress.  Demonstration of working/completed sections. | 10 |

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| **Conclusions, clarity of client recommendations [0 – 10 marks, to 0.5 mark accuracy]:**  How useful is the report to the client  Correctness of the conclusions and implementation plan | 5 |

Total mark allocated [out of 40]:21

**Please include comments to justify your decision on this page or overleaf.**

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| A well written and interesting report overall although you haven’t numbered tables or equations. When expressing energy usage in kWh be careful to include the time over which that energy is used. Normally kWh/day is used as this leads to sensible numbers but occasionally kWh/year is used. You have been rather inconsistent in your report with your units. Expressing everything in the same units will enable comparisons. Your calculation for energy usage of caravans is meaningless. 13A is the maximum current rather than an average or typical. Also a figure given in watts again is not useful as we are interested in *energy* usage. Your table on page 7 is a useful summary but what do you mean by *a season*? Again, express in kWh/day. It would have been nice to see detailed calculations of energy usage, especially of the swimming pool, in an appendix. For example, how does energy usage depend on pool temperature? Wind and solar energy are appropriate solutions but a few ‘out of the box’ ideas would have been nice. Not much in the way of detailed costings nor a summary of your recommendations to your client. Overall a useful report but good hard technical details are lacking. |

Assessor: .Dr Mike Spann Date: 7/4/15