

ENGR142 Grade Report: Project 2 Report		
Team: Team 01	Total Points Earn: 140.00	
Grade: Peter Jones	Total Points Poss: 160	
WPI: Brian Scavella	Percentage Earned: 87.50000000	

Grading System Manager(s)	
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Grader 1			
Format		Pass	Fail
margins: 1.00" left/right, 0.75" top/bottom		3	1
line spacing: 1.5		3	1
font size: 12 Times New Roman		3	1
cover sheet has correct title, team number, and names		3	1
All sections (ie Executive Summary, Design Considerations) have clear, distinctive headings		3	1
All figures have numbers, captions, and are referenced in the body of the report		2	1
All tables have numbers, captions, and are referenced in the body of the report		2	1
Appendix A contains an adequate summary of the Final Project Management Plan		2	1
Avg Subtotal		24.00	14

Cover Letter			
		Pass	Fail
Addressed Dr. Seymour Glavin, CEO of Solar Crystals Inc.		2	1
Gives a concise introduction and summary to the project		2	1
Follows the Cover Page and provides the Executive Summary		3	1
Is formatted in an organized fashion		2	1
Is written clearly and professionally		2	1
Avg Subtotal		8.00	6

Executive Summary			
		Pass	Fail
Has a clear and simple description of the problem being solved that would make sense to someone with no preliminary knowledge		2	1
Describes the unique aspects of their designs that make them good responses to the design requirements		2	1
Gives a factual description of the performance of the project		2	1
Is no more than one page		3	1
Is written clearly and professionally		3	1
Avg Subtotal		8.00	6

Cost Impact Analysis			
		Pass	Fail
Addresses the cost impact analysis for the water storage model		3	1
Provides description of requirements and goals/targets		1	3.5
Describes appropriate assumptions made and explains why they were made and why they are valid or necessary (including references for support)		1	3.5
Describes appropriate assumptions made and explains why they were made and why they are valid or necessary (including references for support)		3	1
Has a detailed description of inputs and parameters used in the model, with clear explanation for their importance		3	1
Provides examples of the model's outputs for the specific case study and explains the significance of the case study inputs		3	1
Describes appropriate validation methods for the models		1	3.5
Has a detailed description of the final design and choice of site, including both positive and negative attributes and why it was selected		3	1
Figures and tables used were relevant and explanatory, when present		3	1
Is between two and three pages		3	1
Is written clearly and professionally		3	1
Avg Subtotal		24.00	14

Discussion of Other Factors			
		Pass	Fail
Has a detailed description of cultural, ethical, and sustainability issues for the model		1	3.5
Describes appropriate assumptions made and explains why they were made and why they are valid or necessary (including references for support)		3	1
Figures and tables used were relevant and explanatory, when present		3	1
Is no more than two pages		3	1
Is written clearly and professionally		3	1
Avg Subtotal		12.00	12

Conclusions and Recommendations			
		Pass	Fail
Contains a concise and complete summary of the project and performance		3	1
Has thoughtful recommendations for improvement		1	3.5
Is no more than one page		3	1
Is written clearly and professionally		3	1
Avg Subtotal		8.00	10

Grader 1 Total 73.5 of 81

Grader 1 Comments	
There needed to be clear discussion of the goals and criteria for measuring how close to meeting those goals. There also needs to be more on cultural and ethical requirements. Please spend more time discussing the improvements you would make. All improvements you listed you deemed unimportant.	

Grader 2			
Format		Pass	Fail
margins: 1.00" left/right, 0.75" top/bottom		3	1
line spacing: 1.5		3	1
font size: 12 Times New Roman		3	1
cover sheet has correct title, team number, and names		3	1
All sections (ie Executive Summary, Design Considerations) have clear, distinctive headings		3	1
All figures have numbers, captions, and are referenced in the body of the report		2	1
All tables have numbers, captions, and are referenced in the body of the report		2	1
Appendix A contains an adequate summary of the Final Project Management Plan		2	1
Avg Subtotal		24.00	14

Cover Letter			
		Pass	Fail
Addressed Dr. Seymour Glavin, CEO of Solar Crystals Inc.		2	1
Gives a concise introduction and summary to the project		2	1
Follows the Cover Page and provides the Executive Summary		3	1
Is formatted in an organized fashion		2	1
Is written clearly and professionally		2	1
Avg Subtotal		8.00	6

Executive Summary			
		Pass	Fail
Has a clear and simple description of the problem being solved that would make sense to someone with no preliminary knowledge		1	3
Describes the unique aspects of their designs that make them good responses to the design requirements		1	3
Gives a factual description of the performance of the project		2	1
Is no more than one page		3	1
Is written clearly and professionally		3	1
Avg Subtotal		8.00	6

Cost Impact Analysis			
		Pass	Fail
Addresses the cost impact analysis for the water storage model		3	1
Provides description of requirements and goals/targets		1	3.5
Describes appropriate assumptions made and explains why they were made and why they are valid or necessary (including references for support)		1	3.5
Describes appropriate assumptions made and explains why they were made and why they are valid or necessary (including references for support)		3	1
Has a detailed description of inputs and parameters used in the model, with clear explanation for their importance		3	1
Provides examples of the model's outputs for the specific case study and explains the significance of the case study inputs		3	1
Describes appropriate validation methods for the models		1	3.5
Has a detailed description of the final design and choice of site, including both positive and negative attributes and why it was selected		3	1
Figures and tables used were relevant and explanatory, when present		3	1
Is between two and three pages		3	1
Is written clearly and professionally		3	1
Avg Subtotal		24.00	14

Discussion of Other Factors			
		Pass	Fail
Has a detailed description of cultural, ethical, and sustainability issues for the model		1	3.5
Describes appropriate assumptions made and explains why they were made and why they are valid or necessary (including references for support)		3	1
Figures and tables used were relevant and explanatory, when present		3	1
Is no more than two pages		3	1
Is written clearly and professionally		3	1
Avg Subtotal		12.00	12

Conclusions and Recommendations			
		Pass	Fail
Contains a concise and complete summary of the project and performance		3	1
Has thoughtful recommendations for improvement		1	3.5
Is no more than one page		3	1
Is written clearly and professionally		3	1
Avg Subtotal		8.00	10

Grader 2 Total 71.5 of 81

Grader 2 Comments	
What exactly is the problem you are trying to solve? Remember that the Executive Summary is an abstract for the rest of the report, and you have to include a basic description of the problem. What about your model makes it a good response to the problem given to you? Does it have a unique feature that improves its accuracy or allows for an in-depth analysis? Cost Impact Analysis A key aspect of any engineering problem is defining requirements and goals for the features of your design you're trying to optimize. What made you decide there is a possibility the offerings weren't good enough. But how did you decide that? What kind of efficiency were you looking for? You mention a series of assumptions in the beginning but it's explained with formulas that supported your claims. Later on, you made a series of assumptions regarding the flow and presence of water in the pipes that you listed or explain. A simple approximation would have sufficed here. Discussion of Other Factors As Peter mentioned, this section is supposed to be more about the non-engineering factors. Cultural, social issues. Perhaps the amount of forest that would be affected by the decision, or the effects on wildlife. Conclusions and Recommendations You can go into further detail on how you would attempt to model the factors that you neglected for this initial analysis.	