Introduction Paragraph: Exploring our Engineering Challenge		
Problem S We as (<u>role</u>)	statement: What is the problem that you are trying seek to (problem) that must address (major constraints/goal) for (state)	to solve? akeholders).
	Constraints for your Energy Plan:	
Constraint 1 One of the major constraints that we have to meet is This means	Constraint 2 Another constraint is Additionally, Moreover,	Constraint 3 Lastly, our third constraint is Finally,
Criteria for Each of the Energy Sources The constraints above must be addressed and their success is measured by three criteria. These criteria are		
Criterion 1 ■ (<u>Criterion 1</u>) is This means	Criterion 2 Another one of our criteria is (<u>Criterion 2</u>). An example of this is	Criterion 3 Lastly, the third criterion is (Criterion 3), which means —
Make a claim: What is your highest priority of the criterion above and why? (This will help develop your strategy.) I believe (one of the criteria) is most important because If we do not make a priority, then		
What possibly might happen if you do not solve the problem? If we do not solve this problem might happen because		

Evaluating Competing 50 Year Energy Plans		
Plan A: What are the strengths and weaknesses of <u>your</u> plan in terms of the criterion?	Plan B: What are the strengths and weaknesses of the competing plan in terms of the criterion? (Note: You must paraphrase your competitor's informationno copying!)	
Describe the overall strategy of your plan. In my 50 Year Energy Plan my main strategy was to The energy source in which I most heavily invested was I did this because Additionally, I also invested in The advantage of this was When making my plan I avoided as an energy source because	Describe the overall strategy of the competing plan. The strategy of the competing 50 Year Energy Plan was They invested most heavily in and also invested in The competitors plan avoided	

Strengths (Smiley Faces) One of the strengths of my plan was (most smiley face). This was reached by	Weaknesses (Frowny Faces) When making my plan, I sacrificed (most frowny face). I did this because	Strengths (Smiley Faces) One of the strengths in my competitors plan was (most smiley face). This can be explained by their investment in	Weaknesses (Frowny Faces) A weakness in my competitors plan was(most frowny face). This happened because

Reasoning about the Best Design			
	claim about which criterion is most important (see introduction of the criterion) my number one priority because When comparing the designs, I be		
Most Important Criterion	Important Difference Between Plan A and Plan B When looking at each of the plans, (my plan or competitor's plan) did a better job of addressing (most important criterion) by	What energy resource / strategy did the plan use to achieve that difference? This difference between the two plans is highlighted when looking at the investment in	
Very Important Criterion	Important Difference Between Plan A and Plan B Another important difference between the two plans is	What energy resource / strategy did the plan use to achieve that difference? By investing in, plan was able to perform better because	

Really Important Criterion	Important Difference Between Plan A and Plan B Lastly, the plans had a different rating for	What energy resource / strategy did the plan use to achieve that difference? By comparing the two plans, this difference was created by
Concluding statement: Summarize in terms of the priority of the criterion why your chosen solution (plan A or B) is better. After reviewing all the evidence in both plans, I conclude that (my plan or competitor's plan) most successfully fulfills our goal of (Restate briefly why you think this)		

Limitations of Your Plan

What challenges do you envision in implementing your solution? Have you made any assumptions? By analyzing the strengths and weaknesses of (the chosen 50 year energy plan), I predict it will be difficult to meet (one of the criteria) because Another challenge I predict in implementing my solution is In addition, I assumed that This assumption means that	What problems may still remain if your proposed plan is implemented? If the challenges mentioned above are faced, a problem that may remain after the plan is implemented is This is an issue because is may lead to	What technological breakthroughs might change your plan design? How might it change? Implementation of the proposed plan would be made easier if (new technology) existed. This would help because However, if (current technology) were to be eliminated, my plan would face further challenges because This would change the fulfillment of the criteria because	
What do you wish you could still include and write about?			