

Air Quality, Climate Change and Energy

Activity Worksheet



Example 2: Crop Production Operation

On this farm, conventional tillage is used. Neighbors have been complaining about dust, which is affecting nearby little-league baseball fields. In addition, the land manager knows his soil is becoming less productive, and his input costs are increasing each year, since he is adding nutrients to compensate. Another concern for the land manager is the increased cost of fuel. He is anxious to pursue a different course of action – and is looking to you for ideas.

What are the significant resource issues?

What are the minor resource issues?

What are the energy issues?

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Option 2:

2. _____

Refer back to the issues you listed on the first page of this example, and answer the questions below.

- *What significant resource issues can be minimized with this solution?*

- *Which minor resource issues become more significant?*

- *How are energy issues affected?*

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Option 3:

3. _____

Refer back to the issues you listed on the first page of this example, and answer the questions below.

- *What significant resource issues can be minimized with this solution?*

- *Which minor resource issues become more significant?*

- *How are energy issues affected?*

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Re-evaluate your three options and rank them by circling *Good*, *Better* or *Best* for each option.

Option 1:	GOOD	BETTER	BEST
Option 2:	GOOD	BETTER	BEST
Option 3:	GOOD	BETTER	BEST



Now return to the online training to check your work.

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Example 2: Activity Debrief

What information will you need to gather to make a recommendation that is truly holistic?

Are there compensating or mitigating factors that might need to be taken into consideration?

Do you have any other solutions or ideas that might apply to this situation?

What can you take away from this activity that can be applied to your job?



Return to the online training for the next example.

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Example 3: Grazing Operation

The land manager has not actively managed his rangeland. Vegetative cover is being lost, and is not regrowing as well as it should. In addition, there is a concern that local water sources are being adversely affected, which in turn has resulted in deer and other wildlife migrating to other areas. The land manager would like to be using the land more responsibly, and has asked for your help.

What are the significant resource issues?

What are the minor resource issues?

What are the energy issues?

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Option 2:

2. _____

Refer back to the issues you listed on the first page of this example, and answer the questions below.

- *What significant resource issues can be minimized with this solution?*

- *Which minor resource issues become more significant?*

- *How are energy issues affected?*

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Option 3:

3. _____

Refer back to the issues you listed on the first page of this example, and answer the questions below.

- *What significant resource issues can be minimized with this solution?*

- *Which minor resource issues become more significant?*

- *How are energy issues affected?*

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Re-evaluate your three options and rank them by circling *Good*, *Better* or *Best* for each option.

Option 1:	GOOD	BETTER	BEST
Option 2:	GOOD	BETTER	BEST
Option 3:	GOOD	BETTER	BEST



Now return to the online training to check your work.