

# Calvin College Carbon Neutrality

## Peer and Project Assessment

Fall 2007

BIO354b and ENGR333a

Profs. Heun and Warners

Throughout this semester, you performed analyses and developed a plan to make Calvin College carbon neutral. You evaluated the opportunities and challenges for using a variety of mitigation, reduction, and sequestration strategies to achieve this goal. Now, the professors would like your feedback about the process. Please answer the following questions by 4:30 PM Friday, 30 November 2007. Bring your response to your professor's office. Part of your grade for CCCN and CETS will be determined by the quality of your submission. Your response is and will remain confidential.

- 1) Write at least two paragraphs reflecting upon any changes in your opinion of climate change in general and the prospects for achieving carbon neutrality in particular as a result of your participation in CCCN and CETS this semester. If your opinions have changed, clearly describe your opinions before and after the project and why the change occurred. If your opinions have not changed, clearly describe your opinions and why your participation in the project had no effect on those opinions. (Engineers: use the design norms as a context for your reflections.)
- 2) Write two paragraphs comparing and contrasting the way that engineering students and biology students approached the issue of climate change as individuals and in group settings. What did you learn from members of the other discipline? What do you wish the other discipline could learn from yours? What stereotypes of the other discipline did you find to be true? False?
- 3) Write one paragraph answering these questions: If you put this project on a resume, would you list it as "community service?" Does your discipline value volunteer work and community service? Why or why not?
- 4) Write two paragraphs answering these questions: Is there a difference between (a) your thoughts on the importance of solving the climate change problem and what is needed to do so and (b) the relative importance the Calvin College administration ascribes to solving climate change and how they think the problems should be addressed? How do you know that a difference does or does not exist?
- 5) Write one paragraph describing how your participation in CETS caused you to alter your behavior this semester. What connections do you see between your consumer choices and the global issue of climate change?
- 6) Write one paragraph identifying one or two members of the class who performed exemplarily during this project. Provide examples of their supererogatory efforts.
- 7) Write two paragraphs addressing these questions: Is climate change a scientific problem or a social problem? How do solutions to climate change vary with your science/social viewpoint?
- 8) Write one paragraph detailing your role and contributions to your team. Conclude the paragraph by assigning yourself a letter grade for your work on the project. Justify your grade.
- 9) Write one paragraph each detailing the roles and contributions of the four (or three) team members you were working most closely with at the end of the semester. Conclude the

paragraphs by assigning a grade for your teammates' work on the project. [Total of four (or three) paragraphs and four (or three) individual grades.]

- 10) Write one paragraph indicating any topics relevant to the content of BIOL354 or ENGR333 that, in your opinion, would be interesting for future classes to study. Also provide any suggestions for improvements to the structure of this project in future years.

When writing paragraphs assessing yourself and your peers, you may wish to use the following rubric.

Did the individual:

- Research useful information for your group?
- Display punctuality in meeting deadlines?
- Thoroughly complete assigned duties?
- Share equally in work performed by the group?
- Perform work of high quality or did their work often require revision?
- Help direct the group in setting goals?
- Help direct the group in meeting goals?
- Encourage group members to share ideas?
- Display empathy during group discussions and work?
- Listen to ideas from other group members?
- Participate in helping the group work together better?