

Appendix E.

Expert perception survey

Common Questions

- 1) Please enter the name of the state where you reside:
- 2) How do you perceive the role of bioenergy in combating climate change (long-term alteration in global weather patterns, especially increases in temperature and storm activity, regarded as a potential consequence of the greenhouse effect)?
 - a. Very Helpful
 - b. Helpful
 - c. No role
 - d. Harmful
 - e. Very harmful
- 3) In your opinion, what are three major threats and weaknesses for bioenergy (renewable energy produced from organic matter) development in your state?
- 4) In your opinion, what are three major opportunities and strengths for bioenergy development in your state?
- 5) In your opinion, what are three major agriculture based bioenergy feedstock(s) (raw material supplied to a machine or processing plant from which other products can be made) in your state and why?
- 6) What are the three major forestry based bioenergy feedstock(s) in your state and why?
- 7) In your opinion, what are the three specific regulations/incentives (e.g. renewable fuel standards) at the state/national level which will be helpful in bioenergy development?
- 8) Are you a member of any environmental organizations or networks?
 - a. Yes
 - b. No
- 9) What is your primary affiliation?
 - a. Industry
 - b. Academia/Research Organizations
 - c. Non-Government Organizations

Industry Section

- 1) What are the three specific issues you would like to see researchers examining in terms of bioenergy technology development?
- 2) What are three most important approaches through which bioenergy research information can be transferred from research organizations to industry and government programs?
- 3) What are the three major bioenergy distribution issues (process of moving a product from its manufacturing source to its customers) which can inhibit the development of bioenergy industry in your state?
- 4) What are the groups which are undertaking major bioenergy capital investment in your state?

- a. Venture capitalists
 - b. Corporations
 - c. Government agencies
 - d. Any other, please specify
- 5) Briefly explain why a particular group (selected in previous question) is making major investments in bioenergy development?
 - 6) Please list three approaches through which partnerships among bioenergy stakeholders (private sector, NGOs, academic community, and government) can be improved?

NGO Section

- 1) Please list three bioenergy projects which are being undertaken or were completed by your organization.
- 2) In your opinion, how critical is the role of NGOs in promoting bioenergy in your state?
 - a. Very Helpful
 - b. Helpful
 - c. No role
 - d. Harmful
 - e. Very harmful
- 3) In your opinion, what will be the affect of bioenergy production on rural economies in your state?
 - a. Very Helpful
 - b. Helpful
 - c. No role
 - d. Harmful
 - e. Very harmful
- 4) Please suggest three steps to improve partnerships among bioenergy stakeholders (private sector, NGOs, and academic institutions)?
- 5) Policies to promote bioenergy in my resident state are appropriate/sufficient. Please select your level of agreement with the statement.
 - a. Strongly disagree
 - b. Disagree
 - c. Neutral
 - d. Agree
 - e. Strongly Agree

Academia Section

- 1) Please list three bioenergy projects which are being undertaken or were completed by your organization.
- 2) What are three important approaches through which bioenergy research information can be transferred from research organizations to industry and government programs?
- 3) What area(s) of bioenergy research is not being given enough emphasis in your state? Please explain your selection(s).
 - a. Sustainability
 - b. Technology
 - c. Feedstock

- d. Distribution
 - e. Economics
 - f. Policy
- 4) Please select research area(s) about which you feel that available funding is favorably skewed? Please list three steps which are required to be undertaken for balancing the existing skew.
- a. Sustainability
 - b. Technology
 - c. Feedstock
 - d. Distribution
 - e. Economics
 - f. Policy
- 5) Have current bioenergy policies influenced your research? If yes, please explain.
- a. Yes
 - b. No
- 6) Please list three suggestions which would help in improving outreach activities (the act or practice of visiting and providing the services to people who might not otherwise have access to those services) of bioenergy education/training centers (e.g. National Renewable Energy Laboratory or Center for Applied Energy Research at the University of Kentucky)?