

((REMOVE before submission – Proposal is limited to 17 pages (18 if there is a “Response to Previous Review), with line spacing set at 1.5 and at least 1-inch margins with font size no smaller than 12-point Times New Roman (the font size for tables and figures should be no smaller than 11-point Times New Roman).

Title of Project

I. Response to Previous Review

Commented [NF1]: Applicants need to provide a clear statement acknowledging comments from the previous review, indicating revisions, rebuttals, etc. Furthermore, the revised application should clearly indicate the changes that have been made in the project.

The response to previous review must not exceed 1 page with line spacing set at 1.5 and at least 1-inch margins with font size no smaller than 12-point Times New Roman. This does not count towards the page limit for the PN.

If this is not a resubmission then simply delete this section. If a response has to be provided, then make sure the response is only 1 page long. Any additional pages will be taken from your total page count available for the Project Narrative.

II. Responsiveness to USDA NIFA SBIR Program Priorities

Commented [NF2]: Please indicate if the application has a connection to agriculturally-related manufacturing technology, energy efficiency or alternative and renewable energy. Provide a brief explanation of how the application is related to the area indicated.

III. Identification and Significance of the Problem or Opportunity

Commented [NF3]: Clearly state the specific technical problem or opportunity addressed and its importance.

IV. Background and Rationale

What problem is your innovation addressing and why is that problem a priority to fix? What does fixing this problem do for the future of ag?

V. Relationship with Research or Research and Development

Commented [NF4]: Indicate the overall background, technical approach, and market needs to the problem or opportunity being pursued. This must include a statement of end-user needs. Describe how the proposed research plays a part in providing needed results. As part of this section, it is critical that applications adequately cite relevant scientific literature to demonstrate support for your proposed research. Moreover, all citations provided must be properly referenced in the Bibliography & References Cited as a separate attachment (see Field 9). USDA NIFA has the right to decline any application where there is evidence of plagiarism.

VI. Technical Objectives

VII. Work Plan

VIII. Related Research or Research and Development

Commented [NF5]: Discuss the significance of the Phase I effort in providing a foundation for the follow-on Phase II effort. Clearly state the anticipated results of the approach if the project is successful. This should address (a) the technical, economic, social, and other benefits to the Nation and to users of the results, such as the commercial sector, the Federal Government, or

IX. The Market Opportunity

Commented [NF6]: Clearly state the technical objectives of the research or research and development effort. Include the technical questions needed to establish the technical feasibility of the proposed approach.

Commented [NF7]: The work plan must provide an explicit, detailed description of the research or research and development approach. The plan should list the tasks to be performed, provide details of the methodology that will be used to research each task, including statistical analysis, if applicable, and indicate how and where the work will be carried out. The effort should attempt to determine the

Commented [NF8]: Describe significant research or Research and Development (R&D) activities that are directly related to the proposed effort, including any conducted by the PD/PI or by the proposing SBC, how the proposed effort expands on the related work, and any planned coordination with outside sources. Describe any commercial products, services or innovations that are already in the market and i

Commented [NF9]: Describe the market and addressable market for the innovation. Discuss the business economics and market drivers in the target industry. How has the market opportunity been validated? Describe your customers and your basic go to market strategy to achieve the market opportunity. Describe the competition. How do you expect the competitive landscape may change by the time your