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| **Project Title:** | **Requested Grant Amount:** |
| **Project Leader and Affiliation**: |  |

The project description should not be more than 15 pages, including figures and tables. Attachments should be submitted as PDF files, in Arial font size 11, with one (1) inch margins, and page numbers should be on the bottom right corner. **Please remove the blue text from this template before uploading.**

The Project description must respond to each sub-criterion below.

1. **Background Literature:**

In relation to the existing literature, specify the problem to be addressed by the project and describe its extent, severity, and magnitude. Explain the potential impact of this project on a statewide level.

1. **CLIM3ATE Impact Areas:**

Identify and explain how the project will address one or more of the CLIM3ATE Impact areas. As well as any other agronomic, economic, environmental, including greenhouse gas emissions reduction and other impacts on a local, regional, and statewide basis.

1. **Objectives:**

Provide a clear, concise, and complete statement of each specific research objective.

1. **Project Design, Work Plan Activities and Methods:**

Provide a clear description of how each project objective will be accomplished. Include project design, site plans, measurement methods, calculation of greenhouse gasses and how they will be compared to existing models (I.e., DDRDP and AMMP calculators), and collaborations, etc.

1. **Potential Project Barriers**

Explain potential project barriers, and strategies that will be employed to mitigate or overcome them.