# American-Made Science Synthesis Prize

## Research Paper Title:

**Team Name:**

Team Captain

Name:

Geographic location:

Email:

LinkedIn Profile:

Team Member #1

Name:

Geographic location:

Email:

LinkedIn Profile:

Team Member #2

Name:

Geographic location:

Email:

LinkedIn Profile:

Team Member #3

Name:

Geographic location:

Email:

LinkedIn Profile:

## Team Location

City, State & Nine-digit ZIP Code

## Project Members

Names, geographic locations, contact info, and LinkedIn profiles

## Other Partners

Key project partners and organizations (if any)

**Content Guidelines**

The research paper should adequately and cohesively address each of the topic areas below. There is no word limit within each topic area; however, **the paper must not exceed 6,000 words**, not including captions, figures/graphs, or references. A word count must be included at the end of your submission. The reviewers will score the questions based on the content you have provided.

The paper must include answers to the following key topics:

* Key Point 1: What is the state of the art in the science and practice of renewable energy integration?
* Key Point 2: What opportunities and challenges exist currently and in the near future for accelerated integration of large-scale renewables?
* Key Point 3: What interventions and investments are needed to meaningfully leverage the opportunities and address challenges and blind spots?
* Key Point 4: How can the presented opportunities and challenges be addressed in a way that is informed by decision sciences and communicated to the stakeholders?

Additionally, the following key topics are of interest to DOE’s Office of Electricity. Submissions that address these additional key topics will not receive additional bonus points, but submissions that include the following key topics may result in a stronger, more well-rounded submission. The maximum word count for the paper remains 6,000 words, even if these additional optional topics are included.

* Optional Key Point 5: What stakeholders from within the renewable energy industry and from other industries need to collaborate to bring about the greatest impact?
* Optional Key Point 6: What key technologies or innovations are still needed for large-scale integration of renewable energy resources?
* Optional Key Point 7: What is the long-term vision of renewable energy integration in the United States?

#### All section titles are only suggestions to guide your responses. You decide where to focus your answers and how to structure your submission. Competitors must follow all guidelines outlined in Section 3.5.2 of the Official Rules.

#### Research Paper Title

1. **ABSTRACT**
2. **HIGHLIGHTS**
3. **INTRODUCTION**
4. **ANALYSIS**
   1. **Subheading #1**
      1. *Sub-subheading #1*
      2. *Sub-subheading #2*
      3. *Sub-subheading #3*
   2. **Subheading #2**
      1. *Sub-subheading #1*
      2. *Sub-subheading #2*
      3. *Sub-subheading #3*
5. **METHODS**
6. **CONCLUSION**

**Research Paper Word Count:**

**Please read and comply with additional requirements about your submission in** [**Appendix 1.**](https://www.herox.com/ScienceSynthesis/resource/1796)

**COMPETITORS THAT DO NOT COMPLY WITH THESE REQUIREMENTS MAY BE DISQUALIFIED.**