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| Journal Name: | [**Journal of Energy Research and Reviews**](https://journaljenrr.com/index.php/JENRR) |
| Manuscript Number: | **Ms\_JENRR\_133913** |
| Title of the Manuscript: | **Research on the synergistic control and optimization of energy, pollutants and water in China's construction industry under the dual carbon goal** |
| Type of the Article | **Short Research Article** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | The manuscript analyzes China's construction industry's role in achieving dual-carbon targets by optimizing energy, pollutants, and water. It offers strategies like optimized design, renewable energy integration, and advanced technology adoption, guiding sustainable development and relevance for researchers and policymakers. | Yes. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title "Research on the synergistic control and optimization of energy, pollutants and water in China's construction industry under the dual carbon goal" is accurate and reflects the paper's content. However, it can be made more concise and impactful. | Considering the comprehensiveness of the paper and the simplicity of the paper, the title has been modified to Carbon-Neutral Synergy: Integrated Optimization of Energy-Water-Pollution Nexus in China's Construction Sector. |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | The abstract could be improved for comprehensiveness and impact by adding context, highlighting key findings, strengthening the connection to policy and technical recommendations, improving flow and conciseness, and adding the methodology used. The revised example is a study on China's construction industry's challenges in achieving dual-carbon targets. The research investigates the synergistic control and optimization of energy, pollutants, and water within the sector, identifying critical measures such as optimized building design, renewable energy integration, and advanced water management. The findings demonstrate the potential for resource efficiency improvements through advanced technologies and propose targeted policy recommendations for regulatory frameworks and technical recommendations for innovative building materials and energy systems. | Based on your suggestions, I have revised the abstract.To face the challenges of the low-carbon transition required for energy management in the construction industry, the research investigated the coordinated control and optimization of energy, pollutants, and water within the sector, identifying key measures such as optimized building design, renewable energy integration, and advanced water management. The findings demonstrate the potential for improving resource efficiency through advanced technologies and provide targeted policy recommendations for the regulatory framework, as well as technical recommendations for innovative building materials and energy systems. |
| Is the manuscript scientifically, correct? Please write here. | Yes | Yes. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | More references can be used from recent years. | Some references have been replaced with those used in recent years. |
| Is the language/English quality of the article suitable for scholarly communications? | Yes. | Yes. |
| Optional/General comments | NO any. | Overall, it has been modified by considering your recommendations. |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | *This manuscript has no ethical issues* |