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Stakeholder Studies and the Social Networks of NetZero Energy Homes (NZEHS)

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Highlights

- Stakeholders for each stage of the NZEH lifecycle are identified.
- Stakeholder interest, influence, and the dynamics over the lifecycle of a project are studied.
- Acceptable energy performance threshold as a qualified NZEH is identified.
- Stakeholder relationships of NZEHs are analyzed and compared with that of conventional homes.
- Market acceptance and the impacts on occupants of NZEHs are studied.

Abstract: Stakeholder engagement and effective communication are imperative for the promotion and advancement of sustainable buildings such as NetZero Energy Homes (NZEHS). This paper proposes a holistic framework to analyze stakeholders for NZEHs, which can be deployed to enhance stakeholder engagement and communication, thereby improving NZEH implementation. First, the stakeholder influence, interest, and the dynamics, which is the dynamic changes of influence and interest over the lifecycle of a project, are analyzed for various identified stakeholders based on a focus group study, and strategies that could be applied to promote NZEHs are proposed. The acceptable energy performance (i.e.

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