The Sunwise Cooperative is a passive solar home; it is built to store, reflect, and distribute heat to keep the house warm in the winter and cool in the summer without a central heating or cooling system. However, the residents of the Sunwise Cooperative are too cold in the winter and much too hot in the summer.

The authors will propose potential solutions to increase the thermal comfort of the Sunwise residents. This proposal will include the predicted efficacy, cost of installation, and cost of maintenance for each solution. It will evaluate these solutions in consideration of the clients’ specifications for the present and future (including a current budget of $500 and a more flexible budget for future retrofits).

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