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Hi,

1. solar water heating system cost and customer uptake:

Alternate approach with fresnel lens and solid substrate that conveys heat *(with least heat loss) to the tank containing water in the residence reduces the costs and customer uptake increases as we could use the same heat when not needed for space cooling with additional accessories.

2. low income or disadvantaged communities:

They could be provided clustered heating and additionally space cooling (when required) through systems sales or pre-paid approach as it would not burden their pockets but still provide the necessary comfort.

3. The alternate solution mentioned here is scalable from single residence to multi family units to commercial needs.

4. the system can provide redundant heat storage facility at low cost to address cloud cover and other reasons.

Best regards,
-Krishnan