

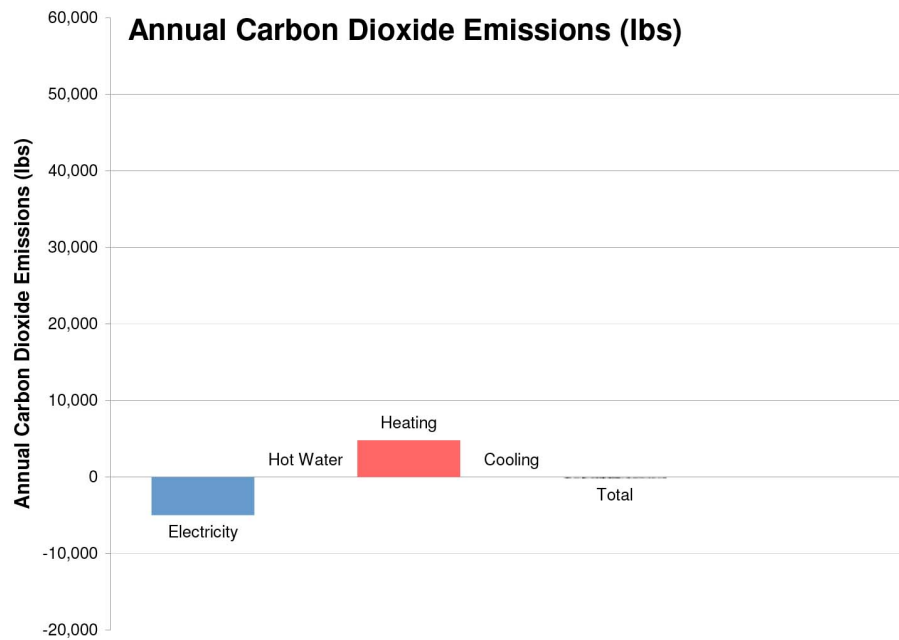
CASE STUDIES



4339 PRADO DR.

3800 sq. ft. above ground

This house is oriented to take advantage of the views to the west, presenting a challenge for solar orientation. A sawtooth roof design accommodates the solar thermal panels and 5kW of photovoltaics. The west-facing windows frame the mountains and are shaded by the trees of the adjacent riparian zone. Low-E windows on this and other orientations insulate and prevent heat gain, while the south-facing clerestory windows in the sawtooth roofs are glazed to admit heat as well as daylight, which is diffused through interior trellises. Structural insulated panels provide a highly insulated shell. Ten solar thermal panels provide seasonal storage of hot water in a 6000 gal tank for heat and hot water.



ENERGY SUMMARY

4339 PRADO DR. BOULDER, CO

