



September 21, 2025
Solar site analysis

To whom it may concern,

On September 16, 2025 Chris Klug and I met at the Maroon Creek Lot 16 site. The weather was partly cloudy and about 65F. I was asked to look at the site for its solar potential. This site is set in amongst both Evergreen trees, and deciduous trees. Aspen, deciduous trees, are predominant in this area.

A Solar Pathfinder tool that plots the sun's path across the sky year-round was used for the analysis. As long as the tool's globe can see the horizon, it works no matter what time of year it is used. The tool was set on the railing of the deck, approximately 10' above the ground. It shows a reflection of any object in the path of the sun on the clear half globe. It shows not only months, but the times of the day from sunrise to sunset. With that information, I was able to determine just how much sun this site receives, annually.



SOLAR PATHFINDER TOOL WITH REFLECTION

This is the reflection we saw; Months of the year are the horizontal lines, with summer months at the bottom, and the hours of the day are the vertical lines. The only obstructions are on the very edges, early morning and late afternoon. Otherwise, the site gets full sun the rest of the time. 85% of the sun's energy hits the earth's surface between 9am-3pm. The other 15% is split between before 9am and after 3pm.

Here is the image again with the obstructed areas highlighted in red. **Everything below the red is full sun potential.**



SOLAR PATHFINDER TOOL WITH MARKED UP REFLECTION



As you can see, the majority of the reflection is in full sun, and very little daylight is obstructed above the red line. I believe this is a very good solar site, and know from local experience a solar system, whether it be active or passive would utilize the sun as an energy source effectively.

Not too many sites in this area have the sound of the river year-round, mountain views, and is somewhat hidden but so close to town. Ski area within shouting distance, and a world class golf course out the door. Please let me know if you need further information the solar potential. Thank you very much.

Mike Tierney
President
Aspen Solar Inc.
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