

Solar Update,

We have a wonderful response to our solar campaign with \$7,100 contributed initially. I received some great feedback from you including questions about how much space the panels will need and suggestions for alternative locations.

The Trinity Building roof contains 2,600 sq. ft. (I didn't climb up there with a tape measure so these numbers are approximate.) Subtracting the HVAC system's footprint leaves 2,300 sq. ft. useable area. The proposed system plus auxiliary equipment would consume 450 sq. ft., or 20% of the total. I believe Trinity is the best location due to its central location and proximity to the main electrical service box.

What about other buildings? The Preschool roof has 2,650 sq. ft. of useable area, Jackson and the north covered parking have 1,000 each, and the north storage shed has 600. They would all require added wiring length but could be candidates for future projects. I didn't consider the roofs of the Fellowship Hall, office, education wing, or Chapel because the slope is wrong; some also find that solar panels visibly mounted on red tile lacks a pleasing aesthetic.

How about covered parking in front using the shade of solar panels? Everyone likes to park in the shade, but the cost of adding a support structure could be significant. That cost is magnified if the city determines that the project necessitates improvements to the parking lot.

Thank you for supporting our church with contributions to the solar project. I will keep you in the loop with our progress.

David Frederick

