

# Performance Systems Contracting<sup>INC.</sup>



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## SHW Production

Simon St. Laurent  
1259 Dryden Road  
Dryden, NY 13053  
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Hello Simon,

Unfortunately, from our perspective, your site is not conducive for a solar hot water application, at least this time. Here are the numbers we used in coming to this conclusion.

The cost of a domestic solar hot water system, appropriate for your hot water needs would cost about \$10,000, installed. The NYSERDA incentive and the available tax credits come out to be about \$5,000.

Assuming there is *no shade* on your roof, this system would provide about 77% of your yearly hot water needs. The hot water needs we assumed are 20 gal/person/day, three people at the house. To the best of our ability, we forecasted the future solar window and estimated that after both of the box elders have been removed and the black walnut has been trimmed significantly, you would be able to heat roughly 45% of your domestic hot water with the solar array.

Of course this analysis is based on a solar pathfinder reading from the bottom of your roof, and the trees that are eventually coming down were further confusing the shade analysis. After your roof has been resingled and the trees are gone, we would be happy to conduct another solar analysis and calculate the output based on this more accurate representation of your future solar input.

It was great to meet you, and I appreciate your rich perspective on local happenings and history.

Feel free to contact me if you have any questions.

Best,

Rob Garrity  
PSC Renewables