Solar Energy on Farms—Activity
Estimating Photovoltaic Electricity Output
Assume roof mount system.

Approximate dimensions of front main roof: 57’ by 12’

Approximate azimuth of front main roof: 160°

Approximate dimensions of a solar PV panel: 3’ by 5’

Estimate number of solar PV panels and maximum output at 150 watts per panel.

ZIP code is 15601

Use PVWatts to estimate annual energy output.

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