



**Evolve Green**  
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## Energy Evaluation and Systems Recommendation Form

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Province / State: \_\_\_\_\_

Postal Code / Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email Address: \_\_\_\_\_

The geographic location of the construction / renovation? \_\_\_\_\_

\_\_\_\_\_

Square footage of the structure? \_\_\_\_\_

Is your utility billed monthly or bi-monthly? \_\_\_\_\_

What is your average monthly energy kW (kilowatt-hour) use? \_\_\_\_\_  
(Refer to the total billed amount in KWh's shown on your utility bill)

Amount you pay per kiloWatt Hour to your utility? \_\_\_\_\_

(Eg; .12/KWh (US utility) or .06/KWh (Manitoba Hydro)>>>Charge per Kwh.



**DETAILS FOR WIND PROJECT:**

Topography of the general area (flat, hilly)? \_\_\_\_\_

Height and direction of surrounding trees from solar or wind site? \_\_\_\_\_

\_\_\_\_\_

Buildings that may interfere with sun or wind exposure? \_\_\_\_\_

\_\_\_\_\_

If considering a wind system, what is the average wind speed where you live?  
(Go to the online wind atlas for your country & search your local area to find out)

(Eg; 6 m/s – Southern Manitoba) \_\_\_\_\_

Canadian Wind Atlas: <http://www.windatlas.ca/en/maps.php?field=EU&height=50>

US Wind Map: <http://rredc.nrel.gov/wind/pubs/atlas/maps/chap2/2-01m.html>

Description of your average wind? (Typical Low wind area or Prone to High Winds?)

\_\_\_\_\_

Typical seasonal weather conditions (describe): \_\_\_\_\_

\_\_\_\_\_

Do you desire back-up power for essential circuits only, or the whole building?

\_\_\_\_\_

**DETAILS FOR SOLAR PROJECT:**

Does the structure have a south facing roof? \_\_\_\_\_

Approximate pitch of roof (inches per horizontal foot)? \_\_\_\_\_

Is the roof shaded or in the sun most of the day (list approximate hours)? \_\_\_\_\_

\_\_\_\_\_

Are there other suitable sunny locations on your lot for solar? \_\_\_\_\_

If so, please describe: \_\_\_\_\_

Approximate hours of shade (Winter, when the sun is full, do objects shade the proposed location?)

\_\_\_\_\_

Summer, when sun is full, do objects shade the proposed location?  
(Hours of shadows and description of objects causing shade)

\_\_\_\_\_

Hours of shadows and description of objects causing shade: \_\_\_\_\_

\_\_\_\_\_

**Above:** What we need from you are the total sunshine hours that are lost: Sunrise time; (shade hours) caused by trees buildings and other obstructions; sunset time. This will be very different in summer than in winter so a description of both extremes is very helpful. Remember that solar radiation (in the northern hemisphere) always comes from the south, but there are many more hours of solar radiation in the summer. Also, the sun moves northerly as summer approaches and the day becomes longer and moves southerly as winter approaches and the day shortens.

**MAIN OBJECTIVES:**

Do you wish to have an independent system? \_\_\_\_\_

Or one that feeds the utility when loads are minimum? \_\_\_\_\_

Is your interest environmental or economic or both? \_\_\_\_\_

***Thank you for completing this survey.***

***We will respond as quickly as possible with your free estimate and system recommendation.***

Upon completion of this form, please forward to Evolve Green  
To receive your FREE Recommendation & Estimate.



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**Thank-you for choosing Evolve Green!**