

The Municipality of The County of Kings Guide to Solar Energy

Designing a New Build ?

Items to Consider;

- **Orientation:** When considering solar for your new build you should pay attention to the orientation of the structure and the layout of the property. Aim for a significant unobstructed section of sloped roof facing southern exposure. The average sized array for a new build, needs 500-700 sf.
- **Pitch:** The optimum pitch for year round generation in Nova Scotia is between a 9/12 and 10/12 pitch.
- **Roof:** You should inform the designer of the roof truss that you intend to install solar panels so they can incorporate the added weight. Average weight is 2.44 lb/sq ft.



Ready to Start Construction ?

Topics to Discuss with your Project Manager;

- **Electrical Conduit :** If the solar array will be going on the roof later, then plan out a route through the house.
- **Electrical Panel:** Ensure a space is left for a double pole breaker in the electrical panel.
- **Outdoor Disconnect:** Nova Scotia Power will require an outdoor disconnect switch beside the electric meter outside your house, which you could run an extra conduit to.
- **Batteries:** You could plan for space in the utility room if you want to install a battery back system later on.
- **Roof:** Record where the rafters/joists are in the roof and how the roof is constructed, so that it's easy to find points to attach the solar mounts on the roof.



MUNICIPALITY OF THE
COUNTY OF KINGS
NOVA SCOTIA, CANADA

Ready to Install Panels ?

Follow the Permit Process Below;

In order to issue a permit for a solar array, we require the following information;

- Completed permit and solar applications, which can be found on the Municipality's website.
- A site specific letter of engineering to confirm the structure is capable of supporting the array.
- A stamped, engineered design for the fastening system.
- Technical specifications of the components used in the system.

Where can I make an application for a permit?

You can submit a permit/solar application by filling out the forms found online and emailing it to inspections@countyofkings.ca or in person at our office, located at ;

181 Coldbrook Village Park Dr
Coldbrook, NS

Project Location

Solar Collector Installations

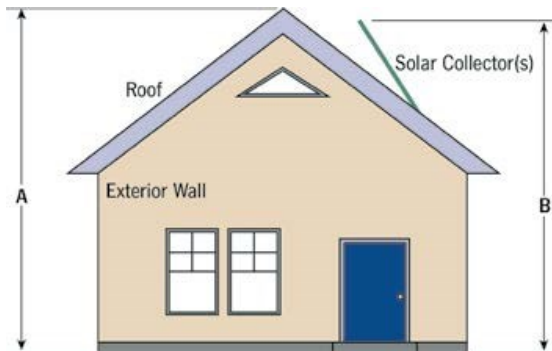
Property owners installing solar collectors on their home or on private property in the Municipality of Kings are required to obtain a permit. In obtaining a permit, details of solar collector locations must be identified. Permits and inspections will help to ensure that the required minimum plumbing and structural standards are met. Application fee for a Solar Collector Permit is \$50.00 .

Indicate Solar Collector Installation Location

☐ Roof Mounted ☐ Ground Mounted

Racking Type (Ground Only)

☐ Fixed ☐ Tracking



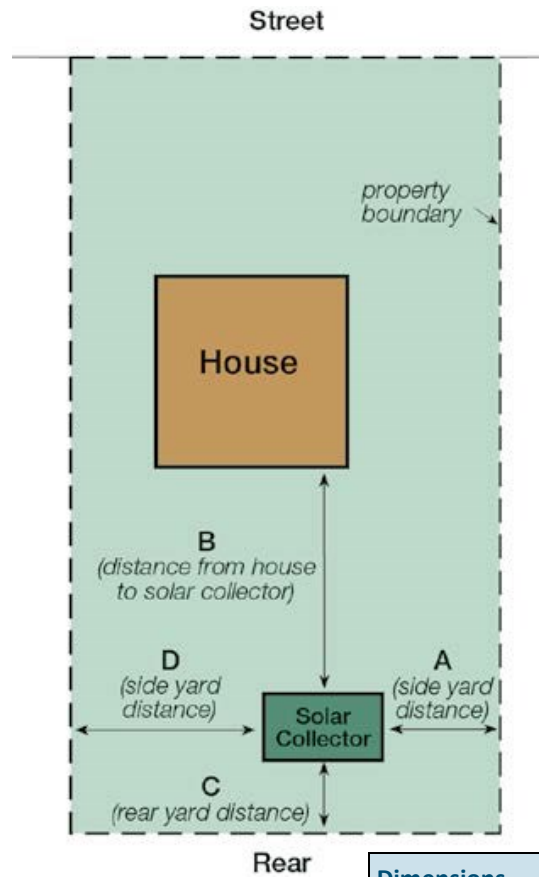
Note: If the solar collector is being mounted on the roof indicate if collectors are mounted on the main building or accessory building.

Dimensions
A =
B =

Collector Location
<input type="checkbox"/> Main Building
<input type="checkbox"/> Accessory Building

Ground Mounted Collector

Indicate distance from the solar collector to the dwelling, accessory buildings and property lines.



Dimensions
A =
B =
C =
D =

Estimated Project Value

Tell us about your project

Installation Type		
<input type="checkbox"/> Residential	<input type="checkbox"/> Commercial	
Type of Collector		
<input type="checkbox"/> Evacuated tube	<input type="checkbox"/> Glazed flat panel	<input type="checkbox"/> PV
Total Area (indicate sq. ft. or sq. m.)=	Number of panels/tubes =	
Mounting Type of Roof		
<input type="checkbox"/> Surface	<input type="checkbox"/> Raised	
Building Solar Energy will Supplement		
<input type="checkbox"/> Hot water	<input type="checkbox"/> Space heating	
<input type="checkbox"/> Electricity	<input type="checkbox"/> Other (describe)	
Existing Energy Source		
<input type="checkbox"/> Electric	<input type="checkbox"/> Oil	
<input type="checkbox"/> Wood	<input type="checkbox"/> Other (please specify)	



Solar