



ABS Alaskan, Inc

SOLARIZE FAIRBANKS 2020

What is Solar PV?

Solar PV is short for solar *photovoltaics*. It is the process of converting the energy from sunlight into usable electricity. This is accomplished with the use of “solar modules” or “solar panels”. Sunlight contains a massive amount of energy. Solar PV enables us to harness that energy and put it to practical use.

Solar PV systems can be lumped into two broad categories – *off grid* and *grid tied*. The *off grid* PV systems are used in remote sites where electricity is not available. They consist of solar panels that make the electricity, batteries that store the electricity, and inverters that convert the electricity into usable AC electricity – just like you have in your home.

Grid tied solar PV, which is the category of system utilized in the Solarize Anchorage program, normally bypasses the battery storage. It consists of solar panels that make the electricity and special inverters that convert the electricity from the solar panels into usable AC electricity that is fed directly into your home’s electrical system, where it is then used by the appliances in the home. The solar PV electricity that you produce is electricity that you don’t have to buy from your electrical utility.



Why install solar PV?

Cost savings – Installing solar PV saves you money. The money that you invest in your solar PV system is typically recovered in 7-9 years through reductions in your electrical bill. The major components of your system – the solar panels and the inverters – have manufacturer 25 year warranties. The PV system life can easily exceed 30 years, **which means you have up to 23 years of free electricity.**

Capital investment – Solar PV is now “main-stream” and widely accepted. The installation of your solar PV system on your home is an investment that adds to the value of your home. Appraisers are now trained to include the value of solar PV systems. So you not only save on your electrical bill – **you also have a valuable improvement to your home –value that you will recover if you sell the home.**

Maintenance free – There are no moving parts in your solar PV system. It is all electrical and electronic. Short of a major natural disaster that physically damages your home (and the solar PV system) there is little that can go wrong. **Your solar PV system requires virtually no maintenance.**

Aesthetics – A well designed and properly installed solar PV system is very attractive and adds to the beauty of your home.

Protect the environment – Most utility electricity is still produced from carbon-based fuels. Some studies indicate that, unless significant reductions are made in the emission of green-house gases, the planet will suffer serious consequences within this century. **If you have concerns about climate change and its impact on the planet, the installation of your solar PV system is an opportunity to take action on those concerns and reduce your carbon footprint.**

Solarize Fairbanks 2020

The Solarize Fairbanks project is a joint effort between The Alaska Center, Information Insights, The Alaska Center for Energy and Power, and others to make solar PV systems available to the residents of the Fairbanks area at huge discounts. This is accomplished through the development of a standardized system and volume discounts. The program is effective for 2020 and has a sign up deadline of Aug 1, 2020. In 2020 the Federal Solar Tax Credit dropped, but only 4% to 26%. If you are considering solar, 2020 is definitely the year to take action.



How Does The Program Work?

The process is simple.

1. Gather Information

Visit the Solarize Fairbanks (Alaska Center) web site

Call ABS Alaskan at 907-452-2002

Email jim@absAK.com

Attend the community workshops

2. Request and schedule a FREE Solar PV Site Evaluation (jim@absAK.com)

3. We review the Site Evaluation assessment and prepare a proposal for you

4. You sign the project agreement and pay the deposit

5. We complete and submit the city building and electrical permits (if applicable) and the GVEA permit application

6. Upon receipt of the permit approvals, we contact you to schedule the installation

7. We install the system

8. We request final inspections and approvals from the city (if applicable) and GVEA

9. Upon the receipt of the final approvals, we schedule and commission the system

10. We train you on the operation of the system – particularly the on-line Energy Management System

11. You are now making electricity and saving money!

