

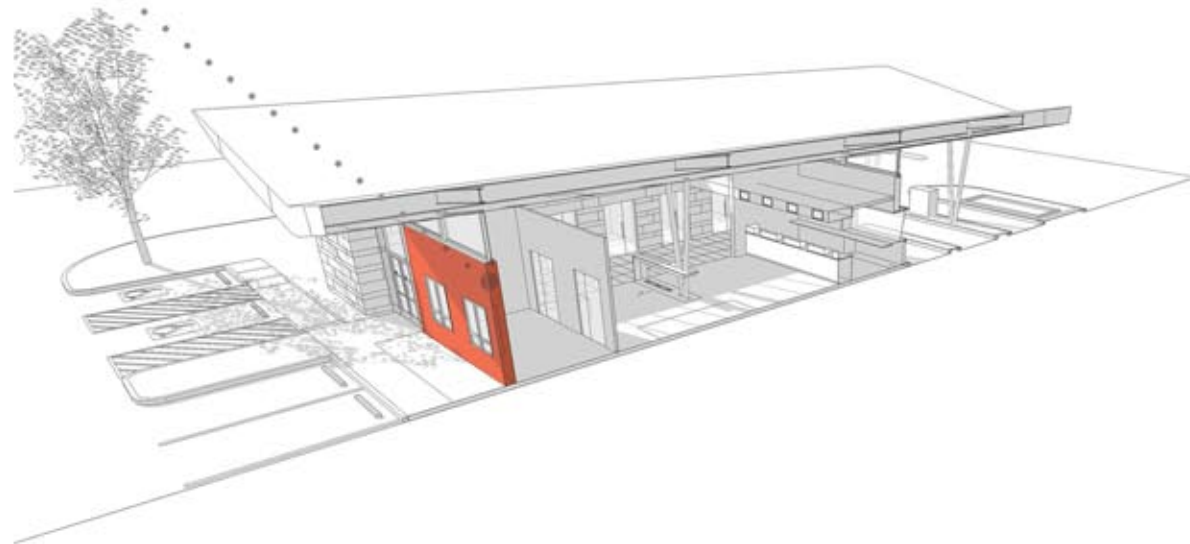


**FIRST
FEDERAL
SAVINGS
BANK
(Mishawaka)**



What is Agriboard?

Agriboard is a structurally sound wood panel with an insulation core made of reclaimed straw. All of the bank's exterior and interior load bearing walls were constructed with this system.

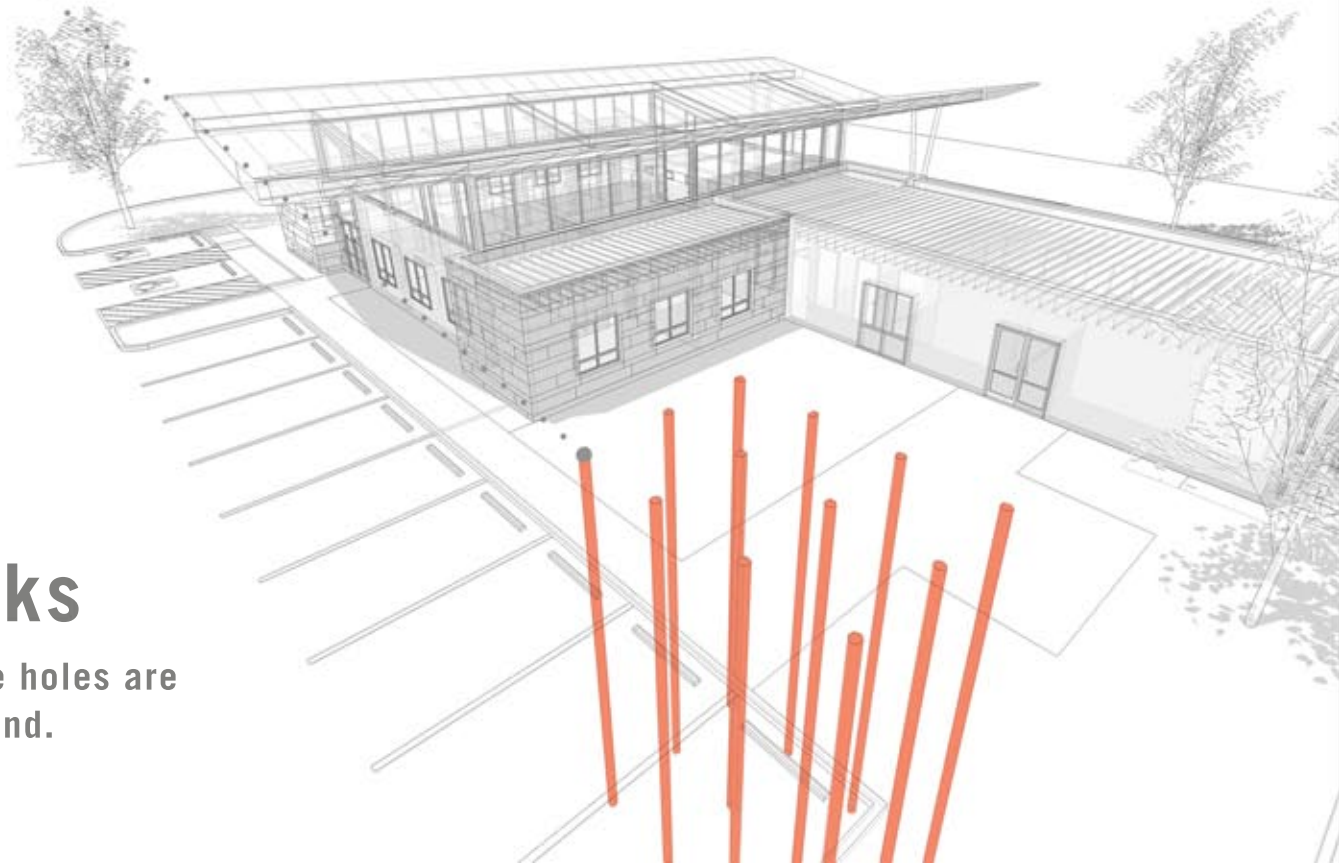


Benefits

- Utilizes a readily available and renewable resource
- Zero waste during manufacturing = Zero waste to landfill
- Optimizes building energy performance (R-25 Value with an 8" thick wall)

What is a Geothermal System?

A geothermal system is a heat exchanger that uses the earth, and/or ground water as sources of heat in the winter. The system provides heat by removing it from the earth through a liquid such as ground water or a sustainable antifreeze solution, which is upgraded by the heat pump and transferred to indoor air. The system provides cooling by reversing the process in the summer.



How it Works

Twelve geothermal bore holes are drilled 150' below ground.

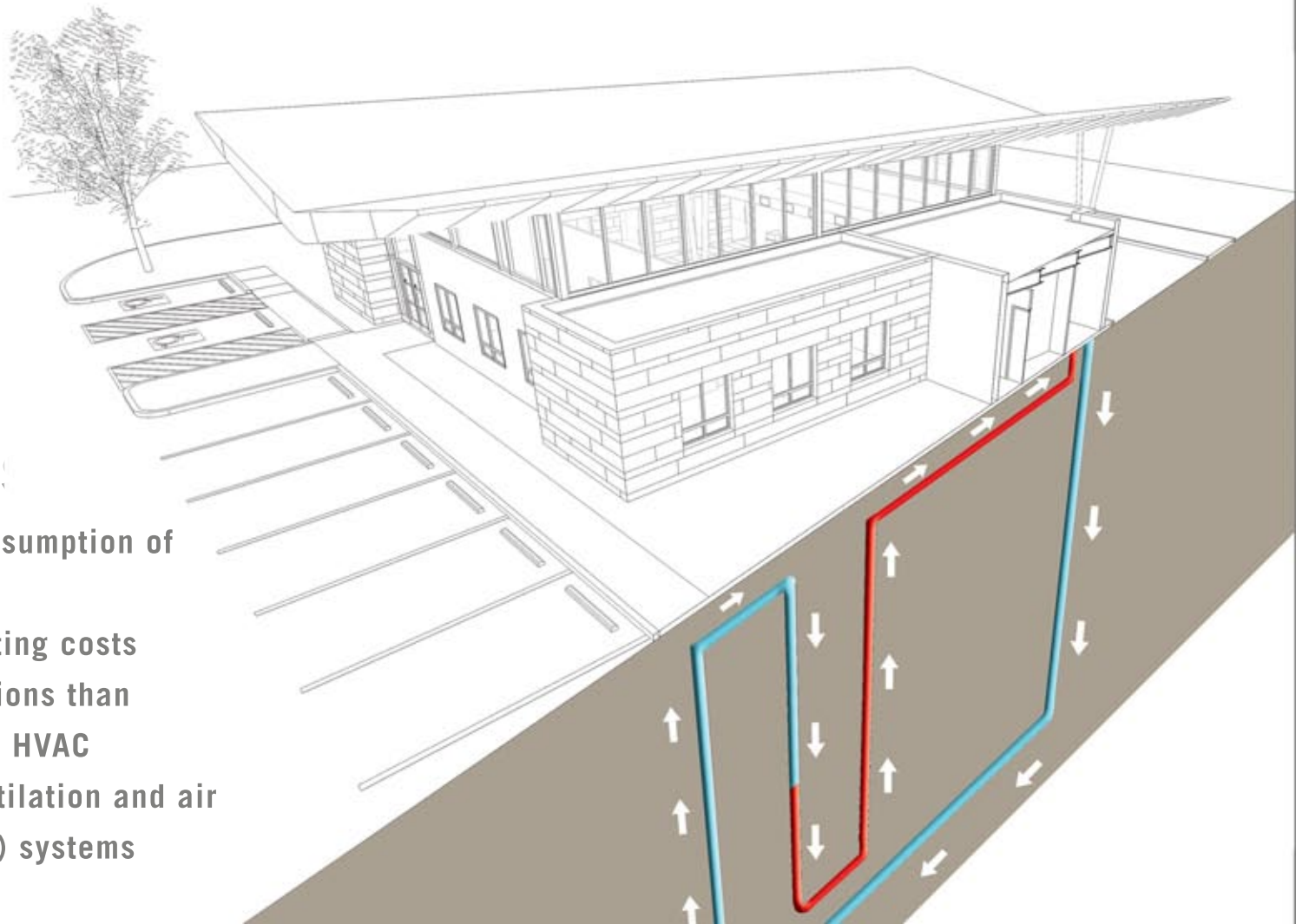
How it Works

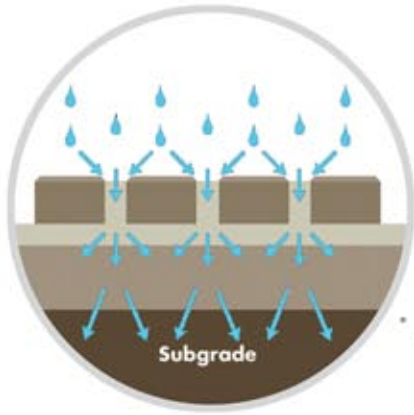
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A closed cell pipe loop running through the geothermal bores is constructed. Cool water or a sustainable liquid such as ethanol is pumped from the building through the closed cell pipe loop. The cool water is then heated by the earth. The heated water is then pumped back into the building and stored in a water tank.

Benefit:

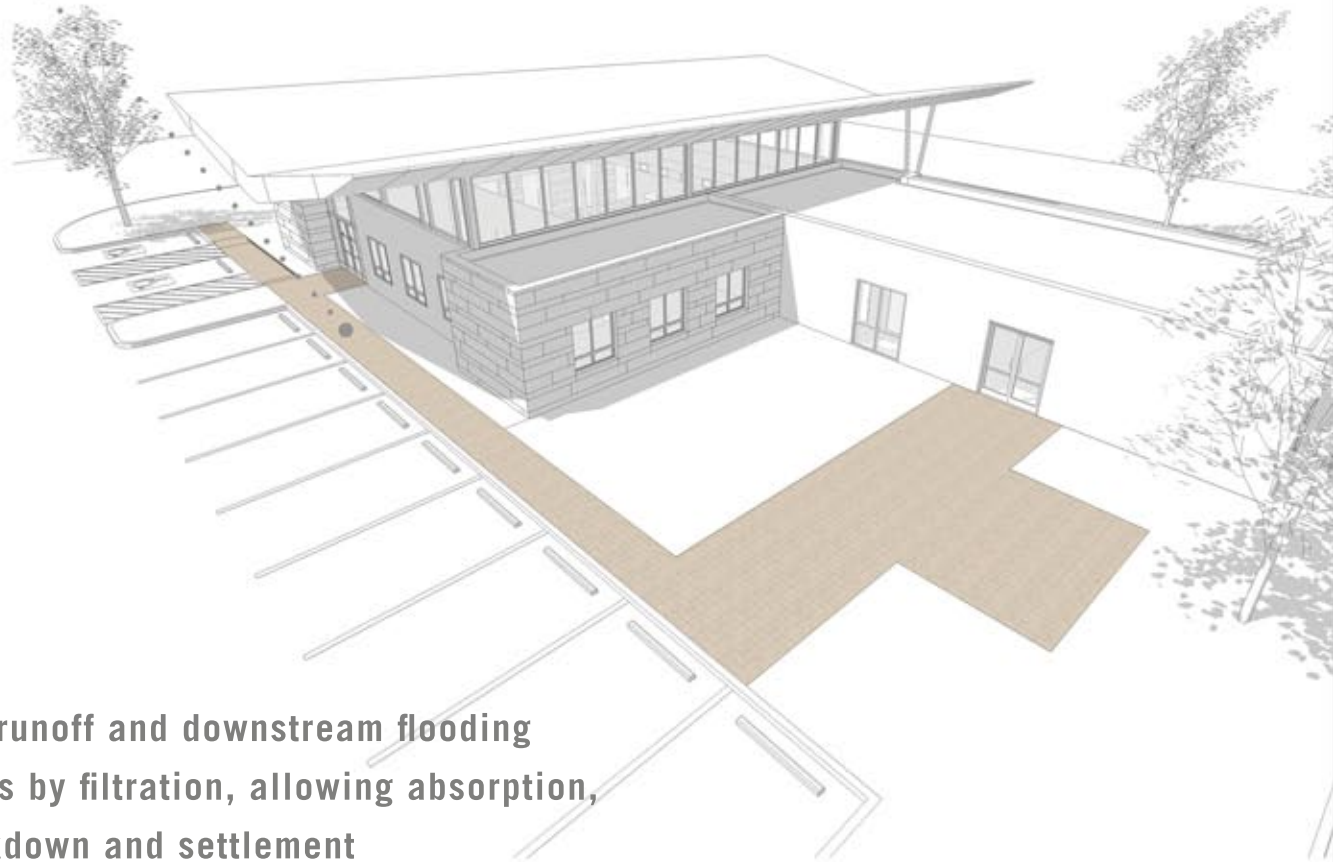
- Reduced consumption of electricity
- Lower operating costs
- Fewer emissions than conventional HVAC (heating ventilation and air conditioning) systems





What is Permeable Pavement?

Permeable pavement is a paving system that allows the movement of water and air through the paving material to the subgrade.



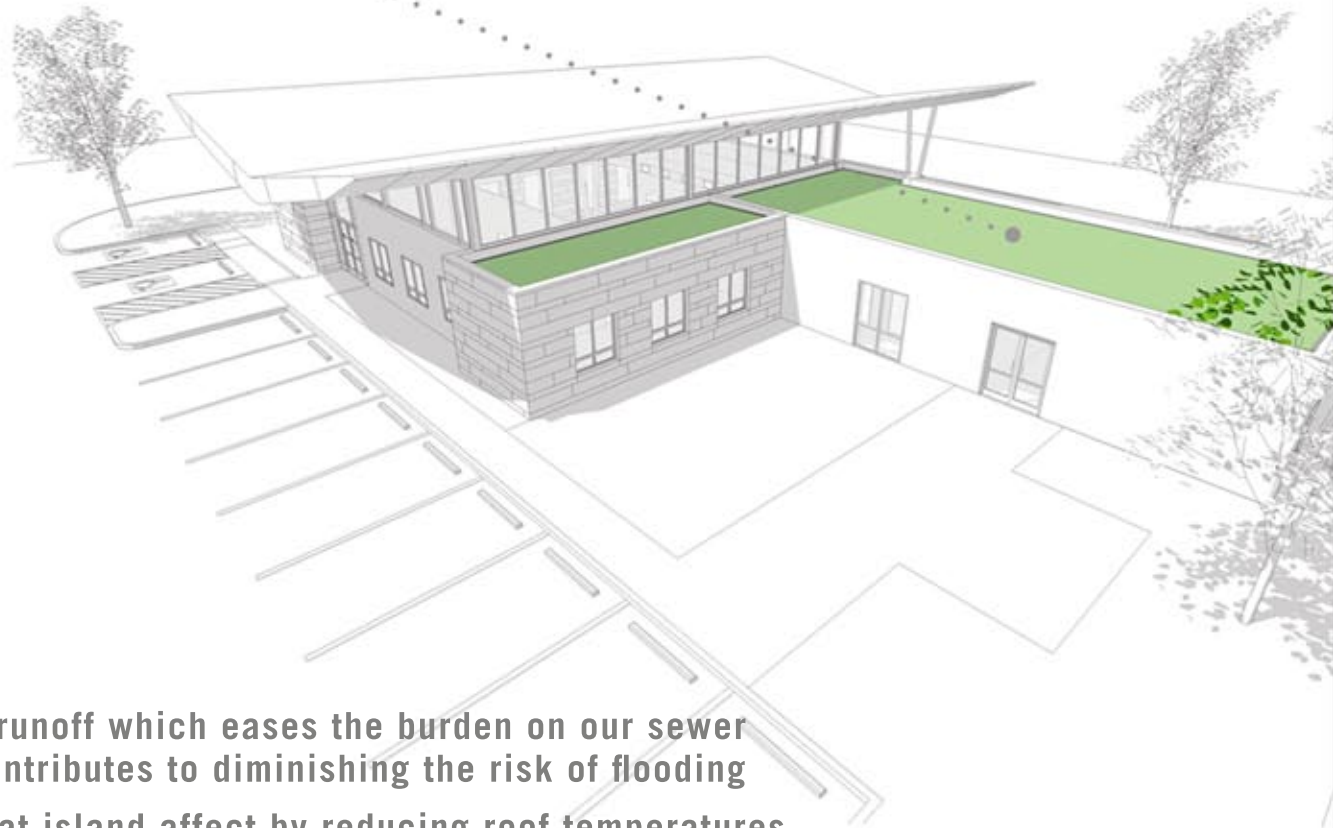
Benefits

- Reduces storm water runoff and downstream flooding
- Removes contaminants by filtration, allowing absorption, microbiological breakdown and settlement



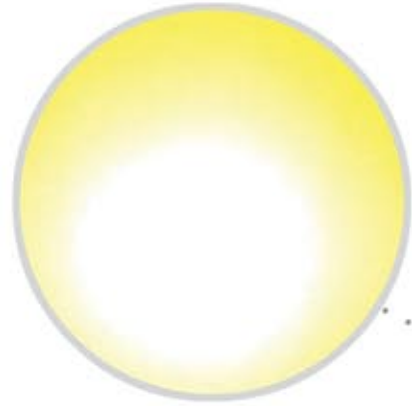
What is a Green Roof?

A green roof is a roof building system that is covered with vegetation and soil, planted over a waterproofing membrane.



Benefits

- Reduces storm water runoff which eases the burden on our sewer system and in term contributes to diminishing the risk of flooding
- Reduces the urban heat island affect by reducing roof temperatures
Lower roof temps = lower cooling costs



What are “PV” Panels?

Photovoltaic Panels are Silicon panels that collect sunlight and convert it into electricity. The electricity they produce is then stored in conventional battery packs and finally sent to a power inverter, where it is converted to a conventional voltage.

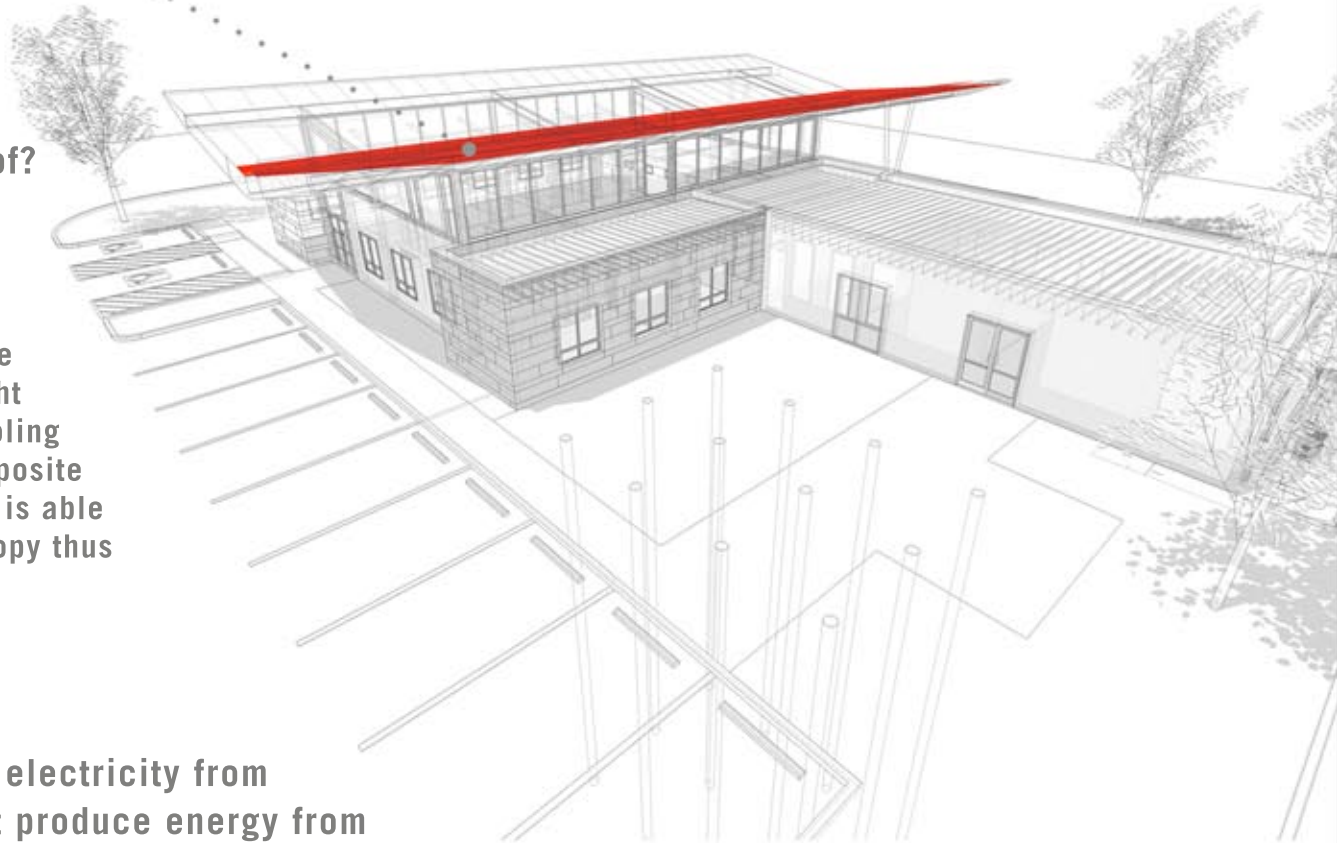
FAQ

Why the “V” shaped roof?

The unique “V” shape maximizes the PV panel’s collection of sunlight. Additionally, in the summer months its shape shades the interiors from direct sunlight contributing to reduced cooling costs. In the winter the opposite occurs, and direct sunlight is able to penetrate below the canopy thus reducing heating costs.

Benefits

- Reduces the need for electricity from utility companies that produce energy from coal, thus contributing to fewer emissions
- Contributes to lower utility costs





Benefits

- Reduced electricity consumption
- Lower Operating Costs

