

CNC Software, Inc. Sustainability Initiative Highlights

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Primary business: Cad CAM Software for manufacturing

Environmental objectives or summary of sustainability mission statement:

At CNC Software we keep our environmental awareness at a high level and regularly research and act on ideas to keep our energy and waste profile low.

Sustainability Initiative:

Our 50,000 sq. ft building is heated and cooled with a geothermal system. We generate approximately 25% of our own electricity with a 72kw solar PV system. A recent building addition included the use of radiant floor heating, FSC lumber, foam insulation and low VOC paint and carpeting.

Major Goals:

To generate 50% of our power in the next five years and to continue searching for ideas to be less wasteful without a negative effect on our product, services or employee satisfaction.

Major Accomplishments:

- 46 wells provide all of the heating and cooling for the building.
- Solar PV provides some of our electricity.
- Radiant floor heating in the addition is an efficient and comfortable way to distribute heat.
- Insulation under the concrete slab keeps the heat in.
- FSC certified lumber and FSC paper for printing helps with responsible forestry.
- Energy efficient T8 lighting uses less electricity and a lot of windows reduce the need for lighting.

Lesson(s) Learned:

- We are heating too much domestic hot water with the geothermal system compared to how much we actually use – not enough thought put into our usage when we had the system designed.
- Spending more on the building envelope would have reduced the heating/cooling load.
- Could have taken better advantage of passive solar opportunity.