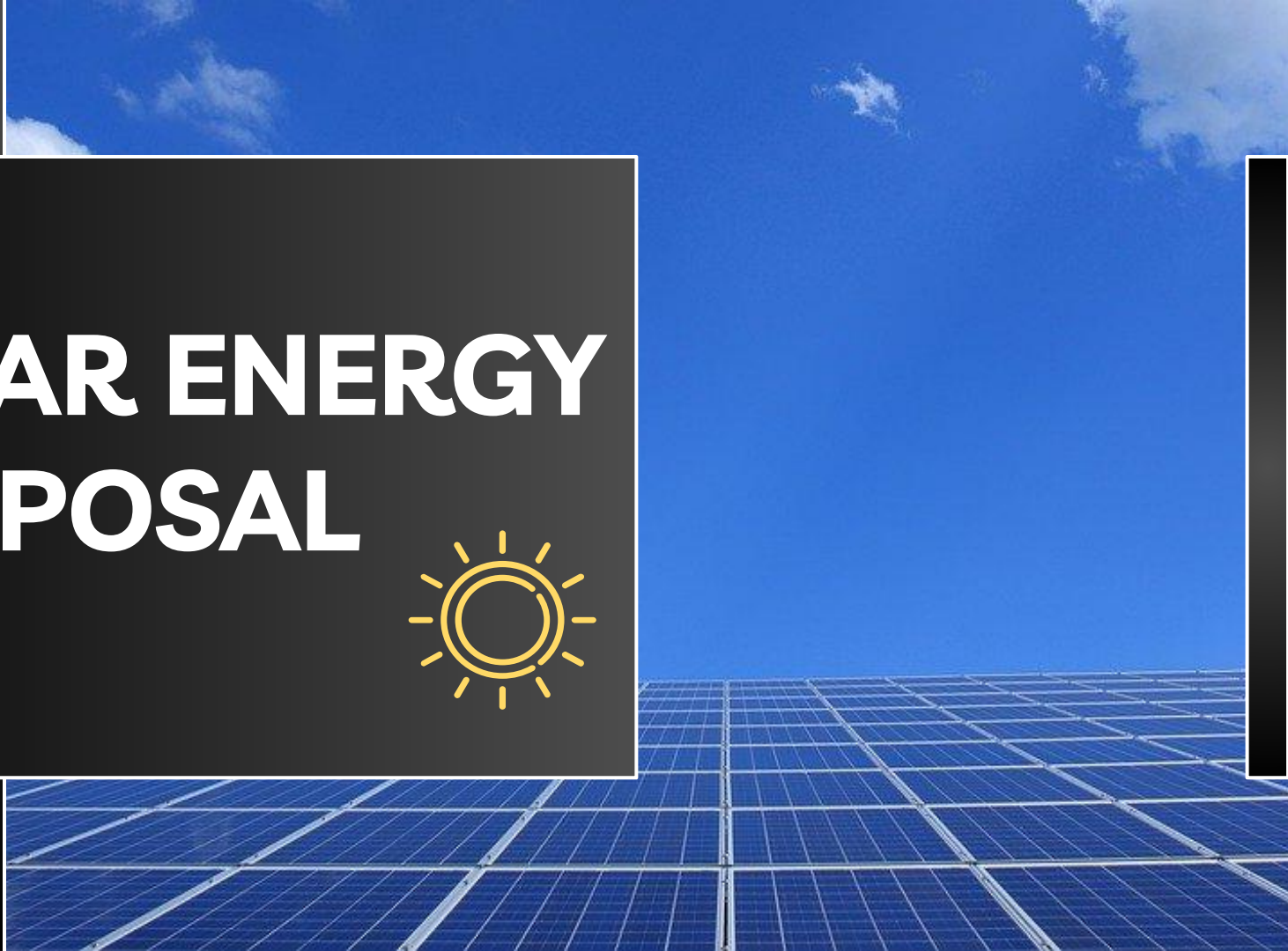


SOLAR ENERGY PROPOSAL

Caroline Elkinson
Claire Blandford





Financial Benefits



- Financial relief from utility costs; gives our school energy independence from its utility company
- Long-term opportunity to use power savings (or revenue) to offset costs of other programs at Providence
- We can earn money back on our investment using net metering

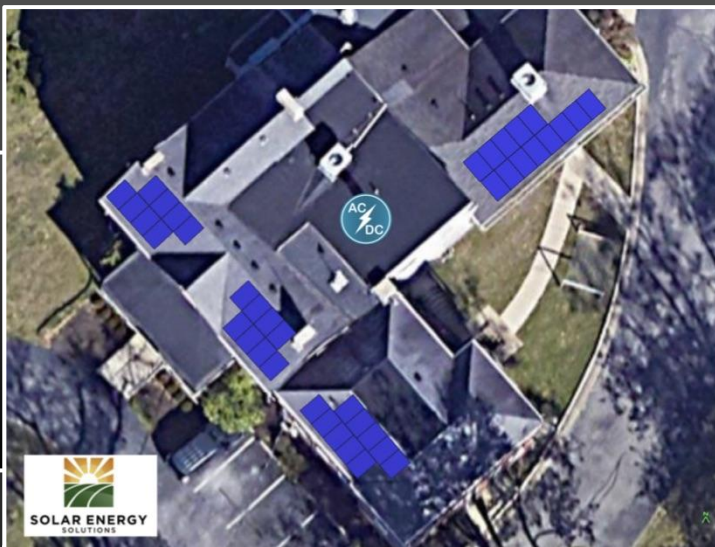


Environmental Benefits

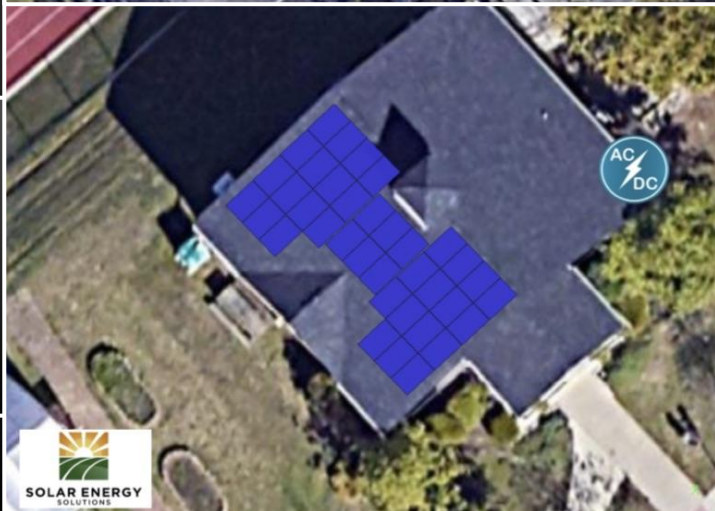


- Reduces the carbon footprint of our school
- It is far better for the environment than using fossil fuels such as coal and natural gas
- It minimizes our school's emission of greenhouse gasses

Main Building



Community Center



CANADIAN SOLAR PANEL ARRAY



- An 11.9 kilowatt array featuring 36 Canadian Solar 330 watt modules on the South West-facing roof surface
- Produces 13,750 kilowatt hours/year estimated energy production which offsets about 42% of our recent annual energy usage
- Typically takes 3-day install
- 25-year production warranty
- 10-year materials and workmanship warranty
- Entirety of the panels are \$29,769
- Will begin to monetize in about 14 years

Fundraising

Where we've looked for grants

One possibility is to fundraise before starting the project

- Special ask to current families of kids who go to Providence
- Good Giving Fundraiser
- Providence Rocks
- Matching approach
- We're in search of grants

- KU/ LG&E
- USDA
- US Department of Energy
- Bluegrass Youth Sustainability Program
- Bluegrass Community Foundation
- Town Branch Park Organization



Funding

- Will begin to monetize in about 14 years
- Opportunity to sell the excess power we have to others
- It will pay off and eventually profit the school
- At earliest we could have the panels installed by late April or early May
- Installation would take 3 days
- Net metering would also be helpful in the summer
- **Net metering:** a system in which solar panels are connected to a public-utility power grid and surplus power is transferred onto the grid, allowing customers to offset the cost of power drawn from the utility

Thank you for considering

Does anyone have any questions?

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