

# GRANT APPLICATION

Applying for a  
**EWEB Greenpower Grant - 2010**  
From  
**Eugene Water & Electric Board**

## Contact Information

Please fill out the contact information below:

FIRST UNITED METHODIST CHURCH  
NAME OF ORGANIZATION

JOHN PITNEY  
CONTACT NAME

ASSOCIATE PASTOR  
CONTACT TITLE

1376 OLIVE ST.  
STREET ADDRESS

EUGENE, OR. 97401  
CITY/STATE/ZIP

541-345-8764  
TELEPHONE

541-485-5025  
FAX

COMPOST@CMC.NET / EUGENE FUMC@EUGENEFUMC.ORG  
E-MAIL

EUGENEFUMC.ORG  
WEB SITE

PROPOSAL TITLE: FIRST UNITED METHODIST SOLAR PROJECT

AMOUNT REQUESTED: \$ 35,000

[Signature]  
SIGNATURE

2-22-10  
DATE

## When to apply

Application deadline - postmarked by:

February 22, 2010

## What to send

Applications must include the **Contact Information** and a **Proposal** with the information requested.

Send to:

Greenpower Grant c/o Tom Williams  
Eugene Water & Electric Board  
500 East 4<sup>th</sup> Ave.  
P.O. Box 10148  
Eugene, OR 97440-2148  
[Tom.Williams@eweb.org](mailto:Tom.Williams@eweb.org)  
541-685-7160

## Proposal

Please provide the information outlined below:  
(Maximum 10 pages not including attachments)

### 1. Background

Overview of your organization including:

- Mission of the organization
- The needs your organization addresses
- The population your organization serves
- A brief description of your current programs & operating budget

### 2. Project Description

Description of the program/project including:

- Statement of the primary purpose of the project and its relationship to EWEB's mission
- The population you plan to serve and how the population will benefit from the project
- Strategies that you will employ to implement the project

### 3. Project Evaluation

Please explain how you will measure the effectiveness of the project:

- Your criteria for a successful project or program
- The results you hope to achieve by the end of the funding period
- The method by which effectiveness will be measured

### 4. Project Management

- A budget for the project for which funds are requested
- Timeline

### 5. Attachments

- Proof of nonprofit status (a copy of IRS letter)\*
- One-paragraph resumes of key staff working on the project
- List of board of directors\*
- Amount and source of any other funding support received from EWEB (if applicable)
- \*Optional or not needed for public and academic institutions

**FIRST UNITED METHODIST SOLAR PROJECT**  
**For February 22, 2010 EWEB Greenpower Grant Application**

**1. Background**

Overview of Organization:

Our Mission at First United Methodist Church is to:

RECEIVE, by welcoming all people into a community of love and acceptance;

TRANSFORM, by helping all people experience God's love;

SEND, by empowering all people to be Christian servants in the world.

Reconciling Statement:

Eugene First United Methodist Church is a Reconciling Congregation. As followers of the life and teachings of Jesus Christ, we affirm that all people are created in the image of God, are beloved children of God, and are worthy of God's grace. In accord with the ministry of John Wesley, we hold to a vision of an *inclusive church that welcomes people of diverse faith journeys, beliefs, and opinions in a loving and caring community. All persons of any sexual orientation, gender identity, marital or family status, age, race, ethnicity mental or physical ability, and economic situation are welcome to attend, join, and participate fully in the life of our faith community as sisters and brothers in Christ.*

Needs Addressed and Population Served

We serve the needs of all people who attend our church, and membership is not a requirement. Our doors are open to all who enter. Daily, we provide lunches for homeless individuals in our community and host a preschool program in the education wing of our facility. Every winter for 2 weeks, we provide shelter for families, in partnership with St. Vincent de Paul. Since 2005 we have had a Mental Illness Awareness Committee that has provided education and training to staff and congregation. Our church is a central gathering place for the community at large providing weekly meeting spaces for more than 25 groups, including A.A., Alzheimer's Association and Jefferson Neighborhood Association. In course of a year, we host more than 36 community groups including the City of Eugene's long-range planning sessions. Every spring we host 400-500 people who gather to celebrate the work of local farmers at the "That's My Farmer" event.

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Current Programs and Operating Budgets

First United Methodist Church has been a community gathering place and a center for hope and transformation since before Eugene became a City. Weekly worship services provide an opportunity for 600 congregation members and friends to experience God, nurture one another in faith and cooperate with others in our larger community to do justice, make peace, foster reconciliation and work for sustainability and permanence in living. Weekly education and transformation ministries for children, youth and adults always celebrate and teach ways of personal holiness, social justice and protection and renewal of all life. 100 congregants belong to small on-going-study groups that nurture personal growth and encourage community outreach. 35 adults participate in our Caring Visitor ministry as companions to elders. Regular workshops tackle important inter-relational issues as marriage enrichment, domestic violence prevention and healthy relations in human sexuality. Our church is committed to ministries of Peace, Justice and the Integrity of Creation. As a Reconciling Congregation we are open to everyone, no matter what. In this, we are in defiance of the policies of our larger denomination.

We have sponsored annual missions and intercultural learning adventures for both youth and adults both in the U.S. and abroad. In the past 12 years the church has funded and helped build 4 Habitat for Humanity homes in Eugene-Springfield. Our care for the protection of Creation has led to the adoption of a wetland through Eugene's Stream Team program. We have helped 250 families conserve water, clean air, energy and atmosphere and invest in the study and organizing that has led to the capital improvement of which this solar project is part.

We have a world-class organist and a diverse music ministry for all ages and a monthly concert series open to the community. We do our best to stand ready to respond when our community involvement is needed. This year, we will begin our participation in the wound-care and needle-exchange programs of the HIV Alliance. We believe the citizens of Eugene appreciate and benefit from the hospitality we provide through our open doors and we intend to keep demonstrating that hospitality in everything we do. We want to install this PV system as another visible sign of the values for which we exist and an encouragement to our Lane County neighbors that ordinary citizens, working in cooperation, can create and protect this wondrous world for our children and grandchildren.

Current operating budget is \$625,000

**FIRST UNITED METHODIST SOLAR PROJECT**  
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## **2. Project Description**

### Primary Purpose of the Project

In the fall of 2007, we employed Solarc to do a comprehensive study of energy use in our building. In the spring, 2010, we received Solarc's final report and recommendations for a 40-year plan to culminate in Zero-Emissions status, including recommendations for a **27K photovoltaic solar system**. The primary purpose of this project is to make this recommendation a reality. We are members of Oregon Interfaith Power and Light (OIPL), an affiliate of the National IPL project, promoting energy conservation and alternative energy strategies for communities of faith in 30 states across the U.S. We want to be a model by which faith communities can fund and afford solar installations.

### Relationship to EWEB Mission

The FUMC's Solar Project would help EWEB achieve its mission of meeting the present and long term energy needs of the community and benefit the citizens of Eugene as follows:

- Reduce our electrical demand thereby helping EWEB meet the energy needs in our community and support their mission to a more sustainable use of power.
- Provide a visible and centrally located system to help educate the community at large to the benefits of the use of solar power.

### Populations Served and Benefited

It will benefit our congregation and the community at large who use our facility.

All community members will be invited and welcome to visit our site and learn about the benefits of solar power and how it reduces our energy use as well as our carbon footprint.

The congregation will benefit by continuing the process that has been ongoing for several years. We have previously made several energy improvements in our facility by changing all light bulbs to CFL's and adding a timer on our hot water heater. We have been previously recognized by EWEB as one of the businesses in the community to reduce their KWH consumption by 20%. We plan to continue our reduction in energy consumption by replacing the steam heat we receive from EWEB with natural gas condensing water boilers and replace all single pane windows. In addition, we will insulate our roof and add storm windows over stained glass panels in the roof. With the improvements we've made and will complete over the next 2 years, combined with the photovoltaic system, we expect to reduce our carbon footprint by as much as 60-65%. Reducing carbon emissions benefits the whole community and as a congregation, will help address our concerns about Climate Change and the role of faith communities in being good stewards of the earth.

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Strategies to Implement the Project

We are working with Solar Congregations, part of OIPL, to take advantage of utility, state and federal incentives to install a photovoltaic system on our facility. We will be a model for other congregations in Eugene and the entire State of Oregon.

We are working with Energy Design, Inc. to design a photovoltaic system with an educational kiosk. The system will be mounted on a structure over the west end of the FUMC parking lot.

**3. Project Evaluation**

Criteria for a Successful Project

Our goal is to generate power and therefore reducing the overall power needed from EWEB. With the educational kiosk, we can educate people to the benefits of solar and demonstrate the energy savings. We will invite the community to visit our site to learn more about how solar power can reduce our community carbon footprints.

Results we hope to achieve by the end of the funding period

The 27K system will produce about 1/3 of the electrical needs of our facility. Any excess electricity that is generated during the sunny months will be fed back into the larger electrical grid under a "net metering" arrangement with EWEB to the benefit of other electrical users in our community. Additionally, asbestos in our roof has created the need for the system to be mounted on a structure in our parking lot. This will make a more highly visible system as well as provide some covered parking.

We are in a downtown location and very visible, so we expect the project to have a great deal of exposure. We believe this is a great way to educate people on the benefits of solar energy and how it reduces the demand on EWEB utilities, as well as the reduction in carbon emissions.

Method by which effectiveness will be measured

The system will have a visible monitor that tracks our energy production. We will know exactly how many KWH's we are saving. Our projections are that this will reduce our electric energy consumption by 33% in the first year. Our energy usage will be further reduced as we implement the additional conservation measures.

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**4. Project management**

Budget for the project

The estimated cost of the project is \$257,042. This includes Energy Design's bid of \$242,042 plus \$15,000 for our church to contract with Solar Congregations (of Oregon Interfaith Power and Light) to provide the expertise required to structure an LLC and administer the process for individual investors, both from the congregation as well as the community, to receive secure returns in the form of rebates and tax incentives. With this \$35,000 EWEB greenpower grant, we can be assured of attracting enough investors to fund this project. We believe this to be a great opportunity for EWEB to leverage this money to build a 27K system. We have not received any money previously from EWEB for this project.



PO Box 26039  
 Eugene, OR 97402  
 800.200.2372  
 CCB# 161672

**BID PROPOSAL**

System Wattage 27,720  
 Date 12/29/2009  
 Bid No. 2106-BP-4  
 Exp. Date 1/12/2010

**Customer Information**

Name	First United Methodist Church
Address	1376 Olive Street
City	Eugene, OR 97401
Phone(s)	541-345-8764
Email	eugenefumc@eugenefumc.org

Qty	Materials Description	Unit Price	Total
126	Schuco MPE 220-PS04 solar modules	605.00	\$76,230.00
5	SMA SB 5000US 5000 watt inverter	3,234.68	\$16,173.40
1	Energy Design Rain Frame Aluminum support structure	12,751.20	\$12,751.20
5	SMA Inverter Web Card	106.32	\$531.60
1	SMA Sensor Box with NOCT and Irradiance	538.00	\$538.00
1	SMA Ambient Temperature Sensor	49.75	\$49.75
1	SMA Anonometer wind speed sensor	112.50	\$112.50
1	Fabricated steel and concrete support structure-BIPV	73,535.00	\$73,535.00
1	Wire, conduit, electrical parts etc.	19,126.80	\$19,126.80
Sub Total:			\$199,048.25
Shipping:			\$1,275.16
Materials Total:			\$200,323.41

**Labor**

1	Design, installation, etc. *(see notes)	\$38,253.60	\$38,253.60
1	Engineering (Solarc)	2,800.00	\$2,800.00
1	Sunny Portal data monitoring connection	665.75	\$665.75
Sub Total:			\$41,719.35

**Other Fees**

Permitting	** (to be paid by owner) Estimated at \$950.00
	City of Eugene Building and Electrical
Other	

GRAND TOTAL: \$242,042.76

Timeline

April 26 – August 31, 2010

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**5. Attachments**

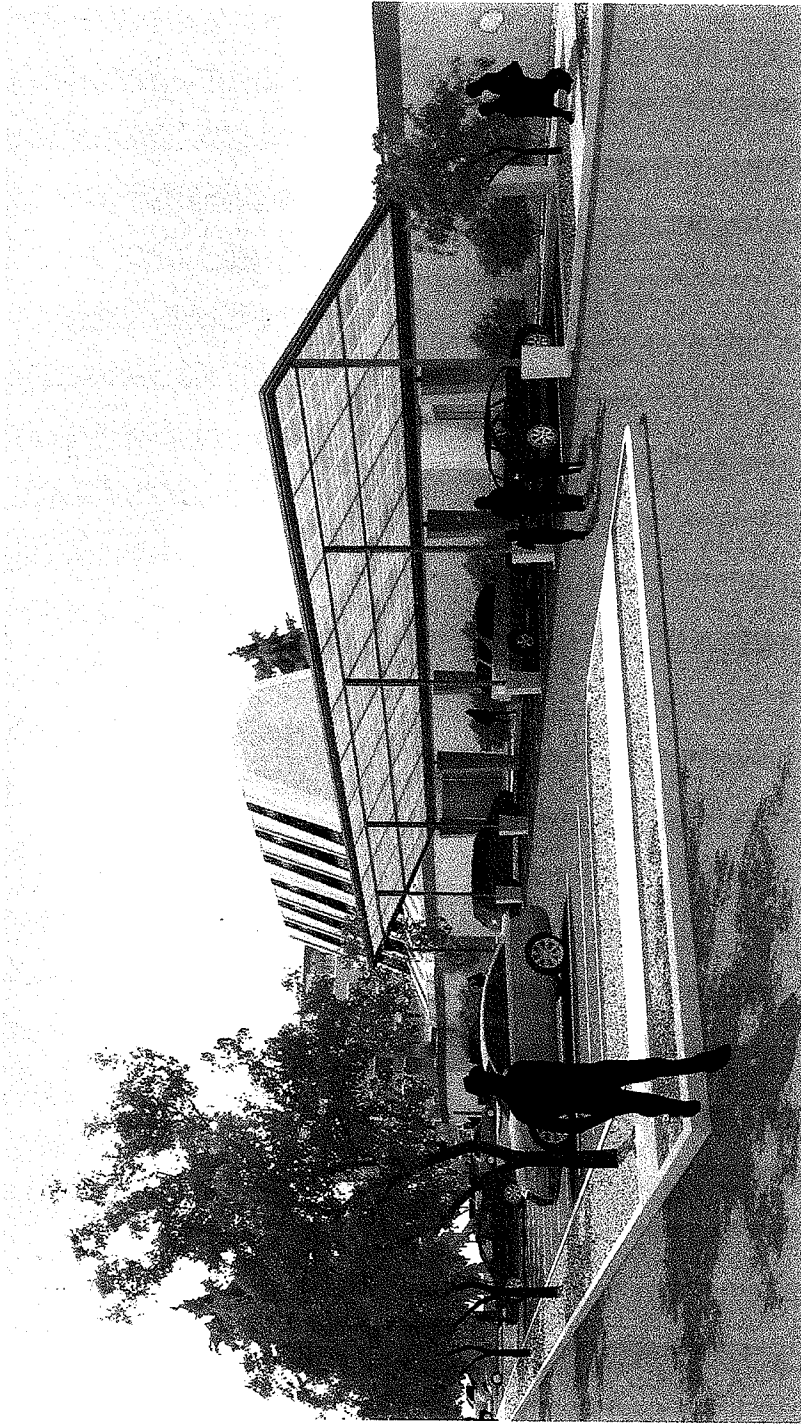
Key Staff Resumes

John Pitney is the Associate Pastor of FUMC. Since 1986, John has worked with churches and interfaith networks across the U.S. to create strategies for communities of faith to become proactive in caring for the environment and promoting more sustainable ways of living in our over- consumptive culture. He is the founder and former coordinator of "That's My Farmer," a project linking 15 faith communities in Lane County with 14 local farms in order to keep the farms vital and provide the best Willamette Valley produce to those who can least afford it. From the Eugene project, other "That's My Farmer" projects have begun in Corvallis and Portland. John has provided leadership in the Interfaith Network for Earth Concerns and travels on request to keynote interfaith conferences, mentor congregations, and provide support where needed to churches needing help to create their own responses to global warming and related environmental challenges. His involvement extends beyond communities of faith to his work with such organizations as the Willamette Farm and Food Coalitions, Farm to School Project and his involvement in Eugene's strategic planning to meet the challenges of climate change. John has composed and recorded 3 CDs of original songs which he uses in his work. His Wife Debbie is lead pastor of FUMC.

Lee Sutton is Chairman of the Board of Trustees for FUMC, FUMC Foundation Board member and serves on the Board for the Wesley Foundation. He has had over thirty-five years experience in construction, engineering, and design and estimating. He was a project procurement manager for U.S. Department of Commerce, NOAA Next Generation Radar Project. Included were 115 weather forecasting offices and 175 radar facilities in forty-five states and eleven countries, which totally re-built the national weather service facilities. He was the senior contacts engineer on Northwest Alaskan gas pipeline and was responsible for development of environmental and arctic engineering contracts. He has a Bachelor of Science degree in architectural engineering and an Associate of Arts degree in architectural Drafting.

List of Board of Directors / FUMC Covenant Council

Sheila Sundahl	Brad Thompson
Colette Moore	Chris Gann
Glenn Biehl	Phil Duchemin
Patty Hine	Lisa Young
Karen Morray	Donna Haines
Ronnie Egger	Lee Sutton



FUMC - View from West