

Testimony in Support of HB 2745  
Hearing: March 3, 2015  
House Committee on Energy and Environment  
by Richard Steinbrugge, P.E.  
Executive Administrator for Facilities  
Beaverton School District

The Beaverton School District endorses the extension of the Feed-in-Tariff program to support installing solar photovoltaic (PV) systems. Our school district had a very successful experience utilizing the pilot program established by HB 3039 through a partnership with Gladstone School District, Gerding Edlen Sustainable Solutions, and Kenyon Energy. Together, we developed a project that installed solar PV systems on three school buildings in each district. Kenyon provided the full capital investment of about \$3 million and is performing operations and maintenance services on the systems for a 15 year period. Beaverton is now receiving about 300,000 kWh per year of solar generated electricity. This deal worked for Kenyon because of the combination of the Feed-in-Tariff and tax incentives. Without these incentives and partnerships, these solar PV systems would not have been possible. Attached is a flyer from our Solar Project Dedication.

Beaverton School District is now in the process of implementing capital projects funded by our construction bond program approved by voters in May 2014. In conformance with the State requirements, we are investing 1.5% of new construction budgets for green energy technology. As a further benefit from our experience with the FIT program, we are now better equipped to manage implementation of the 1.5% investment in our capital program.

We believe incentives are still needed for most school districts that wish to implement PV projects. Absent this support, the capital costs for solar photovoltaic systems make the economics very difficult. The FIT program will further the State goals for creating more Oregon renewable energy generation.

The Beaverton School District urges your support of HB 2745 and the extension of the Feed-in-Tariff program.

Richard Steinbrugge, P.E.  
Executive Administrator for Facilities  
Beaverton School District





# Solar Project Dedication

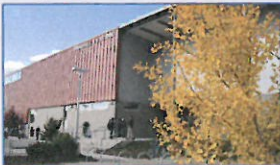
Springville K-8 School

January 25, 2013

2:00 - 2:40 p.m.



Springville K-8 School



Elmonica Elementary



Health & Science School



## Solar Project Background

Elmonica Elementary School, Health & Science School and Springville K-8 School each received large photovoltaic (PV) solar arrays rated at 100 kW DC. These systems, valued at \$1.5 million, were funded by Kenyon Energy and installed by REC Solar as part of a 15-year Energy Services Agreement with our school district. The schools receive the energy produced at no cost and Kenyon is funding all the PV system maintenance. Kenyon Energy, Gerding Edlen, Portland General Electric and the Northwest Environmental Defense Center donated \$45,000 for data monitoring, web display, classroom education materials available to each school in the District, and teacher training through Bonneville Environmental Foundation's Solar 4R Schools program. In addition, Senator Mark Hass sponsored legislation that resolved a state tax exemption pertaining to third party owned solar systems, which was critical to the financial feasibility of the project.

In the first year of operation, the three PV systems generated over 300,000 kWh of electricity, enough to power 26 homes for one year. The Beaverton School District is grateful for this creative and forward-thinking partnership that will realize significant energy savings and also provide hands-on learning for students.



A solar display kiosk is located at each solar school.

Springville K-8 School



Elmonica Elementary



Health & Science School





# Program

Opening/Overview of Program..... Ron Porterfield  
*Deputy Superintendent of Operations & Support Services*

Partnerships/Funding ..... LeeAnn Larsen  
*Beaverton School Board Chair*

Project Overview/..... Richard Steinbrugge  
Partnership Recognition *Executive Administrator for Facilities*

Solar Website Demonstration ..... Sheri Stanley  
*Project Manager, Facilities Development*

Overview of Learning Curriculum ..... Brian Torres  
*Springville K-8 Science Teacher*

Student Curriculum Demonstrations ..... 7th Grade Students  
*Springville K-8 School*

**Springville K-8 School**



**Elmonica Elementary**



**Health & Science School**



# Thank You!

## Partners

Gerding Edlen Sustainable Solutions

Kenyon Energy

Portland General Electric (PGE)

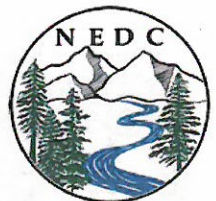
Bonneville Environmental Foundation (BEF)

Northwest Environmental Defense Center (NEDC)

REC Solar

Special thanks to Senator Mark Hass for sponsoring legislation to help make this project possible.

GERDING EDLEN



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