

March 23, 2012

To: Oregon Public Utility Commission:
Attn: Moshrek Sobhy
Public Utility Commission of Oregon
550 Capitol St. NE Ste. 215
Salem, Oregon 97301-2551

Re: Request for Extension of Solar Payment Option for PGE Account Number
0003317241 54879-4 due to roof issues, organizational structure

Dear Mr.Sobhy and Members of the OPUC Commission:

I am writing on behalf of the Solar Congregations Equity Investors, LLC and the Board of Director of of the Interchurch Center (ICC) at 0245 SW Bancroft, Suite Portland Oregon, 97213 to request an extension of the deadline for the installation of the 5kW PV solar installation that was accepted under the Solar Payment Pilot. The deadline for installation is currently April 12 and we are requesting an extension of up to 4 months to get roofing issues resolved and for the ICC Board to vote on the resolution. The following are the factors we would like you to consider in extending the installation deadline.

1. The solar project was originally set to be installed at the same time of, or, shortly after a summer 2011 roofing job and HVAC upgrade by B&G Builders. Financing was secured through Church Extension through ICC co-owners, Disciples of Christ and \$6,000 was paid to SCEI, the project developer, for an initial deposit that was paid to Sustainable Solutions Unlimited on August 24, 2011 per contract. The solar installer had determined that it would be better to do after projects on roof were completed. When the solar installer had structural engineer Dwight Mason look at the roof, he was concerned about the roof trusses. His report of December 8 says:

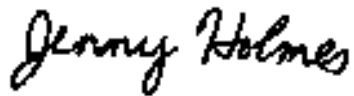
“The truss manufacturer has reviewed the proposed loading based on the code prior to the addition of the proposed solar panels. Due to the magnitude of the overloading and the and the duration the mechanical units have been in place, the trusses should be thoroughly reviewed for existing damage due to previous loading cycles. The existing condition is not structurally acceptable and the existing structure should be strengthened or the mechanical unit loading should be removed as soon as possible. “

2. These findings were given to the ICC Board, but the chair of the board and person in charge of building projects and loans, Dr. Douglas Wirt, was on sabbatical and a meeting was not planned until January 2012. This board is composed of representatives of the four denominations and Ecumenical Ministries that co-own the building. Decisions about changes to the building need to be acceptable to all parties, so some times decision making is slow. The ICC board decided to go ahead with an independent assessment of the roof and trussed by a structural engineer. The findings are at the end of this letter in

two e-mails from Dr. Wirt. The upshot is that the need for structural retrofit is likely needed for the solar installation, but the type of retrofit and the cost is uncertain right now. The options will be developed and presented to the ICC Board in April, but unfortunately, this would make it impossible to complete the solar project by April 12th, 2012.

We urge you to consider this situation knowing that the ICC desires to move forward with the project but more work needs to be done on the supporting structure. Please feel free to call me if you have any questions or concerns.

Sincerely,

A handwritten signature in black ink that reads "Jenny Holmes". The signature is written in a cursive, flowing style.

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Jenny Holmes, SCEI President

From: tom@maddenbaughman.com
To: cdwirt@aol.com
CC: carrington@bandgweb.com
Sent: 2/21/2012 5:19:15 P.M. Pacific Standard Time
Subj: Preliminary findings for roof trusses

Doug,

After review of Dwight Mason's calculations, review of truss analysis by provided by Red-Built, and after performing calculations based on our field measurements, we concur with Mr. Mason's and Red-Built's conclusion that the existing trusses are overstressed when code-required snow and gravity forces are combined with loads from the rooftop mechanical units.

I have consulted with the truss manufacturer on potential strengthening approaches. Rather than strengthening or re-supporting the existing trusses, they recommend adding new lumber or glulam beams below the mechanical units to transfer rooftop unit weights to interior and exterior bearing walls, thereby relieving the roof trusses from carrying the mechanical units.

Design of new framing would require as-built locations of the rooftop units as well as floor plans of the ground and upper floors to determine support locations. It would also be prudent to do a final verification of the size and locations of the existing trusses prior to design, which may require opening the ceiling at strategic locations above the upper floor to view roof framing.

Mr. Mason discussed another possibility that could potentially reduce new framing - strategically moving the mechanical units closer to supports. Planning for this option would require input from a contractor with knowledge of the building's mechanical system.

I will contact you tomorrow to discuss this email and our conclusions.

Best Regards,

TB

Thomas S. Baughman, PE, SE
Principal

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From: cdwirt@aol.com [<mailto:cdwirt@aol.com>]
Sent: Thursday, March 22, 2012 3:57 PM

To: wjboris@gmail.com; ajernigan@cascadespresbytery.org;
dleslie@emoregon.org; steveb@abc-or.org; sburchfield50@msn.com;
jholmes@emoregon.org; jandcallen@hotmail.com
Subject: ICC truss update

Nothing conclusive, but I want to keep you informed about the truss question. Structural engineer Tom Baughman found record drawings of the ICC building filed with the city. This includes the rooftop units, framing plans and floor plans. He thinks that the roof top units were part of the original plan. It will take a few days to get a print out of the plans that he can work with.

One remedy mentioned earlier was to move a couple of the rooftop units to locations with better support. However, this would not help with solar. Support beams running from the roof to the floor level of the second floor are likely to be in the proposal. The lower two floors may not be affected. Tom and Carrington Barrs of B and G will share information necessary for Carrington to give a ballpark estimate of costs. We are not likely to have a requirement of doing anything. The proposal would be to bring the weight load to existing professional recommendations (as distinct from city code and permitting regulations). We would then have a choice as to whether to implement the proposal.

Cathy and I happen to have a lunch appointment tomorrow with the new President of Church Extension, our lender. I will apprise him of the situation. Currently we have about \$50,000 of available credit, most of which we had planned to use for solar.

Doug