

## ADMINISTRATIVE COMMITTEE

**Monday, November 9, 2015**

**5:00 p.m.**

NOTICE IS HEREBY GIVEN that the Bountiful City Administrative Committee will hold its regular meeting in the Conference Room at City Hall, 790 South 100 East, Bountiful, Utah, at the time and on the date given above. The public is invited. Persons who are disabled as defined by the Americans with Disabilities Act may request an accommodation by contacting the Bountiful City Planning Office at 298-6190. Notification at least 24 hours prior to the meeting would be appreciated.

### AGENDA

1. Welcome and Introductions.
2. Consider approval of minutes for October 19, 2015 and October 26, 2015.
3. **PUBLIC HEARING:** Consider approval of a Conditional Use Permit to allow for Solar Panels at 3155 South Davis Boulevard, David and Jennifer Wilcox, applicants.
4. Consider approval of a Conditional Use Permit, in written form, to allow for Solar Panels at 3597 Oakridge Circle, Ben and Sally Alley, applicants.
5. Miscellaneous business and scheduling.

  
\_\_\_\_\_  
Chad Wilkinson, City Planner

Pending minutes have not yet been approved by the Administrative Committee and are subject to change until final approval has been made.

**Bountiful City  
Administrative Committee Minutes  
October 19, 2015**

**Present:** Chairman – Chad Wilkinson; Committee Members – John Marc Knight and Dave Badham; Assistant Planner – Andy Hulka; Recording Secretary – Darlene Baetz.

**1. Welcome and Introductions.**

Chairman Wilkinson opened the meeting at 5:00 p.m. and introduced all present.

**2. Consider approval of minutes for October 12, 2015.**

Mr. Knight made a motion to approve the minutes for October 12, 2015. Mr. Wilkinson seconded the motion.

  A        Mr. Wilkinson  
  A        Mr. Knight  
\_\_\_\_\_ Mr. Badham (abstained)

Motion passed 2-0.

**3. PUBLIC HEARING:** Consider approval of a Conditional Use Permit to allow for a Home Occupation Construction Business (masonry) at 909 East 300 South, David Shelley, applicant.

David Shelley, applicant, was present.

Andy Hulka presented a summary of the staff report (the full staff report follows).

The property where the home occupation masonry business is to be located is in the R-4 Single Family Zone. Home Occupation Construction Businesses are classified in the City Ordinance as a conditional use in the R-4 zone, requiring a Conditional Use Permit.

The applicant's proposal is to use a 100 square foot room in the basement of the home at 909 East 300 South as an office for his masonry business. The applicant has applied for a business license with Bountiful City, which will be approved if the conditional use is approved. The applicant indicated all equipment will be stored at an off-site storage facility. The applicant has indicated that all masonry work will occur off-site and that no customers will be visiting the property unless dropping off plans. The applicant has no employees that will be using this site and will not be placing any signs on the property.

Based on the findings, staff recommends approval with the following conditions.

1. The applicant keeps a current Bountiful City Business License.
2. The Conditional Use Permit is for this location only and is non transferable.

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- 3. The approval is for an office only. No onsite storage of materials or equipment will occur at the property.
- 4. The applicant shall not use the property for outside storage.

**PUBLIC HEARING:** Chairman Wilkinson opened and closed the Public Hearing at 5:04 p.m. with no comments from the public.

Mr. Badham made a motion for approval of a Conditional Use Permit to allow for a Home Occupation Construction Business (masonry) at 909 East 300 South, David Shelley, applicant as outlined by staff. Mr. Knight seconded the motion.

- A        Mr. Wilkinson
- A        Mr. Knight
- A        Mr. Badham

Motion passed 3-0.

- 4. **PUBLIC HEARING:** Consider approval of a Conditional Use Permit to allow for Solar Panels at 512 East 1800 South, Myrna Scoffield, applicant.

Dustin Matthews (Solar Works, Inc.), representing Myrna Scoffield, applicant, was present.

Andy Hulka presented a summary of the staff report (the full staff report follows).

The property where the solar panels are to be installed is located in the R-4 Single Family Zone. Solar power panels are classified in the city ordinance as “private power plants” and require a conditional use permit if they are over 10 watts. The applicant has indicated that the photovoltaic system to be installed will produce 7.395 kilowatts (7,395 watts), requiring a conditional use permit.

The application submitted indicates the proposed installation of 2 photovoltaic arrays with a total of 29 panels. The arrays will occupy approximately 512 square feet, which is smaller than the 50% maximum roof coverage. Both arrays will be on the south side of the roof, with 9 panels on the southwest array and 20 panels on the southeast array. The panels will be connected to the roof by a Unirac system using lag bolts and flashing. The roof is of truss construction, has a slope of 4:12, and is approximately 10 years old. A review of information provided in the application indicates that all engineering requirements for the construction of solar panels in Bountiful City will be met. A reflection analysis of the roof pitch indicates that photovoltaic panels should not produce a reflection nuisance to surrounding properties.

Based on the findings, staff has determined that the applicant would comply with all requirements for the conditional use permit. Staff recommends approval of the conditional use permit with the following conditions:

- 1. The applicant shall obtain a building permit.
- 2. The panels must be installed only as proposed in the application.
- 3. This conditional use permit is solely for this site and is non-transferable.

**Pending minutes have not yet been approved by the Administrative Committee and are subject to change until final approval has been made.**

**PUBLIC HEARING:** Chairman Wilkinson opened and closed the Public Hearing at 5:12 p.m. with no comments from the public.

Mr. Knight made a motion for approval of a Conditional Use Permit to allow for Solar Panels at 512 East 1800 South, Myrna Scoffield, applicant as outlined by staff. Mr. Badham seconded the motion.

A Mr. Wilkinson  
A Mr. Knight  
A Mr. Badham

Motion passed 3-0.

**5. Consider approval of a Conditional Use Permit, in written form, to allow for Solar Panels at 586 East 1500 South, Steven Thueson, applicant.**

Mr. Knight made a motion for approval, in written form, to allow for Solar Panels at 586 East 1500 South, Steven Thueson, applicant. Mr. Wilkinson seconded the motion.

A Mr. Wilkinson  
A Mr. Knight  
\_\_\_ Mr. Badham (abstained)

Motion passed 2-0.

**6. Consider approval of a Conditional Use Permit, in written form, to allow for Solar Panels at 898 Oakwood Circle, Scott Youngquist, applicant.**

Mr. Knight made a motion for approval, in written form, to allow for Solar Panels at 898 Oakwood Circle, Scott Youngquist, applicant. Mr. Wilkinson seconded the motion.

A Mr. Wilkinson  
A Mr. Knight  
\_\_\_ Mr. Badham (abstained)

Motion passed 3-0.

**7. Miscellaneous business and scheduling.**

Mr. Wilkinson ascertained there were no further items of business.

The meeting was adjourned at 5:15 p.m.

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Chad Wilkinson, City Planner

Pending minutes have not yet been approved by the Administrative Committee and are subject to change until final approval has been made.

**Bountiful City**  
**Administrative Committee Minutes**  
**October 26, 2015**

**Present:** Chairman – Chad Wilkinson; Committee Members – Lloyd Cheney; Assistant Planner – Andy Hulka; Recording Secretary – Julie Holmgren.

**Absent:** Committee Member – John Marc Knight.

**1. Welcome and Introductions.**

Chairman Wilkinson opened the meeting at 5:02 p.m. and introduced all present.

**2. Consider approval of minutes for October 19, 2015.**

Approval of minutes was tabled.

**3. PUBLIC HEARING:** Consider approval of a Conditional Use Permit to allow for Solar Panels at 3597 Oakridge Circle, Ben and Sally Alley, applicants.

James Marshall (Intermountain Wind & Solar), representing the applicants, was present.

Andy Hulka presented a summary of the staff report (the full staff report follows).

The property where the solar panels are to be installed is located in the R-3 Single Family Zone. Solar power panels are classified in the city ordinance as “private power plants” and require a conditional use permit if they are over 10 watts. The applicant has indicated that the photovoltaic system to be installed will produce 7.98 kilowatts (7,980 watts), requiring a conditional use permit.

The application submitted indicates the proposed installation of 2 photovoltaic arrays with a total of 29 panels. The arrays will occupy approximately 522 square feet, which is smaller than the 50% maximum roof coverage. On the northwest side of the roof there will be a 14 panel array, with 4 panels on the first 2 rows and 3 panels on the top 2 rows. On the southeast side of the roof there will be a 15 panel array, with 4 panels on the first 3 rows, 2 panels on the fourth row, and 1 panel on the fifth row. The panels will be connected to the roof by a Snap N Rack system using lag screws. The roof is of truss construction, has a slope of 6/12, and is 2 years old. A review of information provided in the application indicates that all engineering requirements for the construction of solar panels in Bountiful City will be met. A reflection analysis of the roof pitch indicates that photovoltaic panels should not produce a reflection nuisance to surrounding properties.

Based on the findings, staff has determined that the applicant would comply with all requirements for the conditional use permit. Staff recommends approval of the conditional use permit with the following conditions:

**Pending minutes have not yet been approved by the Administrative Committee and are subject to change until final approval has been made.**

1. The applicant shall obtain a building permit.
2. The panels must be installed only as proposed in the application.
3. This conditional use permit is solely for this site and is non-transferable.

**PUBLIC HEARING:** Chairman Wilkinson opened and closed the Public Hearing at 5:06 p.m. with no comments from the public.

Mr. Marshall asked if slight modifications to the project plan would need Administrative Committee approval. Mr. Wilkinson responded that the City definitely would need to be advised if panels are to be added to the original project plans.

Mr. Cheney made a motion for approval of a Conditional Use Permit to allow for Solar Panels at 3597 Oakridge Circle, Ben and Sally Alley, applicants, as outlined by staff. Mr. Wilkinson seconded the motion.

A Mr. Wilkinson  
A Mr. Cheney

Motion passed 2-0.

4. **Consider approval of a Conditional Use Permit, in written form, to allow for a Home Occupation Construction Business (masonry) at 909 East 300 South, David Shelley, applicant.**

Mr. Cheney made a motion for approval, in written form, to allow for a Home Occupation Construction Business (masonry) at 909 East 300 South, David Shelley, applicant. Mr. Wilkinson seconded the motion.

A Mr. Wilkinson  
A Mr. Cheney

Motion passed 2-0.

5. **Consider approval of a Conditional Use Permit, in written form, to allow for Solar Panels at 512 East 1800 South, Myrna Scoffield, applicant.**

Mr. Cheney made a motion for approval, in written form, to allow for Solar Panels at 512 East 1800 South, Myrna Scoffield, applicant. Mr. Wilkinson seconded the motion.

A Mr. Wilkinson  
A Mr. Cheney

Motion passed 2-0.

**Pending minutes have not yet been approved by the Administrative Committee and are subject to change until final approval has been made.**

**6. Miscellaneous business and scheduling.**

Mr. Wilkinson ascertained there were no further items of business.

The meeting was adjourned at 5:09 p.m.

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Chad Wilkinson, City Planner

Pending



# BOUNTIFUL

*City of Beautiful Homes and Gardens*

MAYOR  
RANDY LEWIS

CITY COUNCIL  
RICHARD HIGGINSON  
BETH HOLBROOK  
JOHN M. (MARC) KNIGHT  
KENDALYN HARRIS  
JOHN PITT

CITY MANAGER  
GARY R. HILL

## Memo

Date: November 3, 2015  
To: Administrative Committee  
From: Andy Hulka, Assistant Planner  
Re: Staff Report for the Administrative Committee Meeting on Monday, November 9, 2015

## Overview

- 3. PUBLIC HEARING** - Consider approval of a Conditional Use Permit to allow for Solar Panels at 3155 South Davis Boulevard, David and Jennifer Wilcox, applicants.

## Item #3

### Background

The property where the solar panels are to be installed is located in the R-3 Single Family Zone. Solar power panels are classified in the city ordinance as "private power plants" and require a conditional use permit if they are over 10 watts. The applicant has indicated that the photovoltaic system to be installed will produce 5.52 kilowatts (5,520 watts), requiring a conditional use permit.

### Findings

The application submitted indicates the proposed installation of 3 photovoltaic arrays with a total of 16 panels. The arrays will occupy approximately 279.88 square feet, which is smaller than the 50% maximum roof coverage. The south facing roof will have 2 arrays, each with 6 panels. The west facing roof will have one array with 4 panels. The panels will be connected to the roof by an Invisimount roof mount system. The roof is of truss construction, has a slope of approximately 5/12 according to the applicant's information, and is 5 years old. A review of information provided in the application indicates that all engineering requirements for the construction of solar panels in Bountiful City will be met. A reflection analysis of the roof pitch indicates that photovoltaic panels should not produce a reflection nuisance to surrounding properties.

## **Staff Recommendation**

Based on the findings, staff has determined that the applicant would comply with all requirements for the conditional use permit. Staff recommends approval of the conditional use permit with the following conditions:

1. The applicant shall obtain a building permit.
2. The panels must be installed only as proposed in the application.
3. This conditional use permit is solely for this site and is non-transferable.

## **Bountiful Land Use Ordinance**

### **14-14-126 PRIVATE POWER PLANTS**

- A. A "Private Power Plant" is any device or combination of devices not owned and operated by a regulated utility company, which convert mechanical or chemical energy into electricity. A private power plant with a peak power generation capacity of 10 Watts/12v/500mAmp (or equivalent) is exempt from the provisions of this Section. A private power plant, including a windmill or wind turbine, shall not be permitted within Bountiful City limits, with the following exceptions:
1. A back-up power generator running on unleaded gasoline, diesel, natural gas, propane, or hydrogen fuel cell, rated for a single structure or building lot, located in accordance with the requirements of the zone in which it is located.
  2. A photovoltaic cell array or other passive solar energy system located in accordance with the requirements for occupied structures for the zone in which it is located.
- B. With the exception of a back-up power generator, no private power plant may be installed or used on any property unless a conditional use permit has been issued for the specific power generation device.
- C. A private power plant is not exempt from the height requirements of the Zone in which it is located, and shall be considered an occupied structure for the purposes of calculating height.
- D. Solar energy design standards and requirements
1. Solar energy panels or collectors that are mounted to the roof shall:
    - a. Not extend beyond the roofline.
    - b. Not reflect sunlight onto neighboring windows or rights-of-way.
    - c. Not exceed fifty (50) percent of the total roof area.
    - d. Shall be maintained in good condition.
  2. Prior to installation, use, and connection to the grid, the following shall be done:
    - a. A Conditional Use Permit shall be issued
    - b. A Building Permit shall be issued
    - c. The Power Department shall approve the application for net metering
    - d. The Power Department shall approve the physical installation

# 3155 S Davis Blvd



NOV. 2

**CONDITIONAL USE PERMIT APPLICATION**

Date of Submittal: 10/15/15 (David & Jennifer Wilcox)

Property Address: 3155 S. Davis Blvd. Bountiful 84010

Applicant Name: Legend Electric

Applicant Address: 3292 E. Deseret Dr. St. George, ut. 84790

Applicant Phone #: 801-792-9369

Applicant Email: MONIQUE@LEGENDSOLAR.COM

**1. Items that shall be included with any Conditional Use Permit application:**

- a. A completed Bountiful City Application for Conditional Use Permit cover sheet (this document).
- b. Payment of Filing Fee (\$200 P.C. / \$50 A.C.)
- c. If the conditional use permit is to be approved by the Planning Commission, a mailing list of all property owners within three hundred feet (300') of the subject property boundaries based on the most recent Davis County Tax Assessment records, submitted on self-adhesive mailing labels. Items heard by the Administrative Committee do not require mailing labels.
- d. If the conditional use permit requires site plan review, two (2) full sized, and one (1) 11x17 copy or one (1) .PDF file, of the proposed site plan drawn at 1:10 scale or as required by the City Engineer and City Planner. A site plan shall include:
  - i. A north arrow, the scale of the drawing, and the date of the drawing.
  - ii. Street names and addresses.
  - iii. Property lines with dimensions.
  - iv. All sidewalks, driveways, curbs and gutter, and parking areas.
  - v. All existing easements, rights-of-way, and any other restrictions on the use of the property.
  - vi. Existing buildings, proposed buildings, and other significant features on the site.
  - vii. Existing buildings and significant features located on adjacent properties within 50 feet (50') of the subject property boundaries
  - viii. When required by the City Planner or City Engineer, and for all new construction, a survey including both existing and proposed contours of the land at intervals of two feet (2') or better.

- e. Typed responses to the following questions:
  - i. How does your proposed project fit in with surrounding properties and uses?
  - ii. What will you do to mitigate the potential conflicts with surrounding properties and uses?

**2. Property Owner Authorization and Affidavit**

The undersigned, being duly sworn, depose that I am (we are) the owner(s) or authorized agent(s) of the owner(s) of the property involved in this application and that the statements contained herein or by attachment, are to the best of my (our) knowledge true and correct.

DocuSigned by:  
*David Wilcox* 10/22/2015  
3325FF5A99AB4FF...  
Owner/Agent

\_\_\_\_\_  
Owner/Agent



# BOUNTIFUL

City of Beautiful Homes and Gardens

MAYOR  
 Randy Lewis  
 CITY COUNCIL  
 Richard Higginson  
 Beth Holbrook  
 John M. Knight  
 R. Fred Moss  
 Thomas B. Tolman  
 CITY MANAGER  
 Gary Hill

## SOLAR PANEL QUESTIONS

Please answer all questions completely (do not simply refer to an attachment)

Total Number of Panels	16	
Array Dimensions	279.88 sq ft.	
Total rating of photovoltaic system:	5.52 KW	16 Panels 5.52 KW
<b>Mounting Location</b>		
Roof/Wall/Other	roof	
Roof Pitch (Rise/Run e.g. "5/12")	<del>X</del>   <del>1/2</del> . 5/12 (per monique)	
Roofing Material Asphalt Shingle/Tile/Steel/Other Age & Condition of Shingles	Asphalt shingle 5yrs - Excellent condition	
Roof Construction Rafter/Truss/Joist	truss	
<b>Engineering Analysis</b>		
Connection to Roof	invisible mounting system	
Analysis of Existing Roof Structure with added Solar Equipment	Engineering letter states they concluded the installation of solar panels on this existing roof will not adversely affect the structure of this house.	
Adequate Uplift Resistance (120 mph Exp B)	115 mph 120	



# WILCOX RESIDENCE 5.52KW PV SOLAR SYSTEM



EXISTING METER LOCATION  
NEW PRODUCTION METER LOCATION

INSTALLED ON MAIN SERVICE

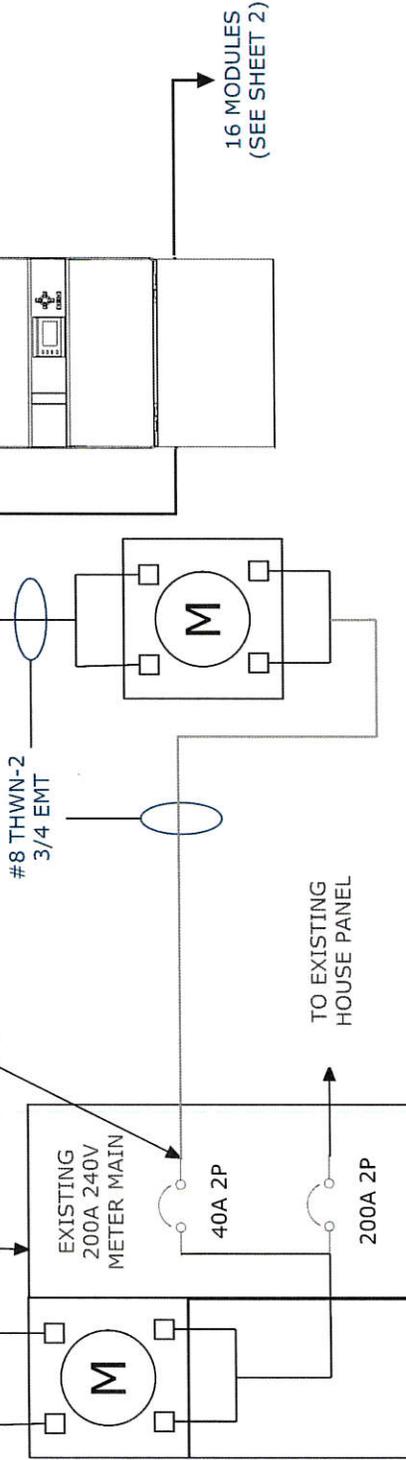
**-WARNING-  
DUAL POWER SUPPLY  
UTILITY GRID AND PV SOLAR  
ELECTRIC SYSTEMS**

**INVERTER  
LOCATED IN  
GARAGE**

INSTALLED NEXT BACK-FED BREAKERS

**-WARNING-  
INVERTER OUTPUT  
DO NOT RELOCATE THIS  
OVER-CURRENT DEVICE**

(SEE NOTE 2)



INSTALLED ON METER MAIN

**PV SOLAR SYSTEM  
AC DISCONNECT  
25 A @ 240 VAC**

**LEGEND SOLAR**  
204 PLAYA DELLAROSITA  
WASHINGTON, UT 84780  
435.319.4060

Project:

DAVID WILCOX  
801-309-5249

Address:

3155 S DAVIS BLVD  
BOUNTIFUL, UT. 84010

Date: 10/12/2015

Design:

JEB

Notes:

1. INSTALL EGC FROM MAIN TO ARRAY'S PER NEC 690.43
2. ALL SIGNAGE SHALL BE IN ACCORDANCE OF NEC 110.21(B)
3. ALL WIRING MUST BE PROPERLY SUPPORTED
4. CLEARANCES FOR INVERTER SHALL BE IN ACCORDANCE ON NEC 110.26
5. BACK-FED BREAKERS TO BE INSTALLED AT OPPOSITE END OF BUSBAR INPUT FEEDERS

Title:

**1-LINE  
DIAGRAM**

Sheet:

**1/2**

**LEGEND SOLAR**

204 PLAYA DELLAROSITA  
WASHINGTON, UT 84780  
435.319.4060

**Project:**

DAVID WILCOX  
801-309-5249

**Address:**

3155 S DAVIS BLVD  
BOUNTIFUL, UT. 84010

**Date:** 10/12/2015

**Design:** JEB

**Notes:**

1. INSTALL EGC FROM MAIN TO ARRAY'S PER NEC 690.43
2. ALL SIGNAGES SHALL BE IN ACCORDANCE OF NEC 110.21(B)
3. ALL WIRING MUST BE PROPERLY SUPPORTED
4. CLEARANCES FOR INVERTER SHALL BE IN ACCORDANCE ON NEC 110.26
5. RACEWAYS CONTAINING DC CIRCUITS SHALL BE MARKED "PHOTOVOLTAIC POWER SOURCE" EVERY 10'
6. INSTALL #6 BARE COPPER AT ARRAY FOR BONDING OF ALL RAILS
7. WIRING AT ARRAYS SHALL BE PV TYPE AS PER NEC 690.35(D)

**Title:**

**1-LINE  
DIAGRAM**

**Sheet:**

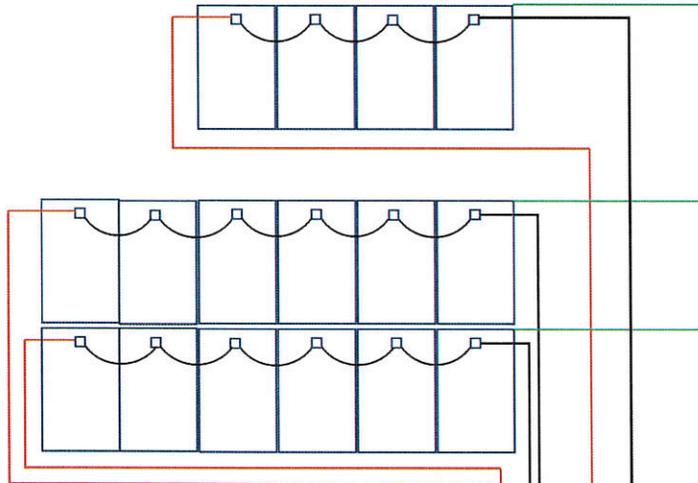
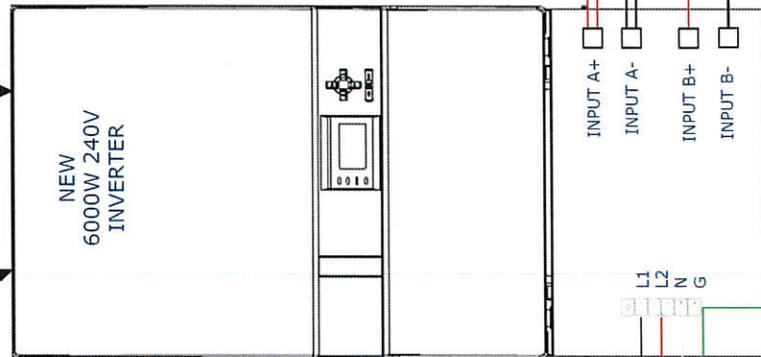
**2/2**

INSTALLED ON INVERTER

**PV DC DISCONNECT**  
383 VDC  
17.9 ADC  
504 VDC  
19.4 ADC

INSTALLED ON INVERTER

**-WARNING-  
ELECTRIC SHOCK HAZARD  
IF A GROUND FAULT IS INDICATED  
NORMALLY GROUNDED CONDUCTORS  
MAY BE UNGROUNDED & ENERGIZED**



TO  
AC DISCONNECT  
SEE SHEET 1

#8 GEC

#12 THWN-2  
METAL RACEWAY  
IN ATTIC SPACE

**NOTE**  
PV MODULES SHALL NOT BE  
INSTALLED OVER ANY ATTIC  
VENTS INCLUDING PLUMBING,  
FURNACE, WATER HEATER, ETC.



UTAH OFFICES  
Sandy  
Layton  
St. George

Project Number: U1675-0286-151

October 16, 2015

Legend Solar  
3292 E Deseret Dr.  
Bld A Ste. 101B  
St. George UT 84790

REFERENCE: **David Wilcox Residence: 3155 S. Davis Blvd, Bountiful, Utah 84010  
Solar Panel Installation**

To whom it may concern:

Per the provided request, we have reviewed the attached layout relating to the installation of solar panels at the above-referenced site.

Based upon our review, it is our conclusion that the installation of solar panels on this existing roof will not adversely affect the structure of this house. The design of supporting members and connections is by the manufacturer and/or installer. The adopted building code in this jurisdiction is the International Building Code, 2012 Edition and ASCE 7-10. Appropriate design parameters which must be used in the design of the supporting members and connections are listed below:

- Ground snow load: 45 psf per Utah amendments to the IBC (verify with local building department)
- Design wind speed for risk category II structures: 120 mph (3-sec gust)
- Wind exposure: Category C

If using documents referencing ASCE 7-05, the design wind speed may be converted to an ASCE 7-05 equivalent of 95 mph, Exposure C.

Our conclusion regarding the adequacy of the existing roof is based on the fact that the additional weight related to the solar panels is less than 3.5 pounds per square foot. In the area of the solar panels, no 20 psf live loads will be present. Regarding snow loads, it is our conclusion that since the panels are slippery and dark, effective snow loads will likely be reduced in the areas of the panels. Regarding wind loads, we conclude that any additional forces will be negligible due to the low profile of the flush-mounted panel system. Regarding seismic loads, we conclude that any additional forces will be small. With an assumed roof dead load of 15 psf, solar panel dead load of 3.5 psf, and affected roof area of 40% (maximum), the additional dead load (and consequential seismic load) will be 9.3%. This calculation conservatively neglects the weight of wall dead load. Because the increase is less than 10%, this alteration meets the requirements of the exception in Section 807.5 of the 2012 International Existing Building Code. Thus the existing structure is permitted to remain unaltered.

During design and installation particular attention must be paid to the maximum allowable spacing of attachments and the location of solar panels relative to roof edges. The use of solar panel support span tables provided by the manufacturer is allowed only where the building type, site conditions, and solar panel configuration match the description of the span tables. Attachments to existing roof joist or rafters must be staggered so as not to overlap any existing structural member. Waterproofing around the roof penetrations is the responsibility of others. Electrical engineering is beyond our scope. All work performed must be in accordance with accepted industry-wide methods and applicable safety standards. Vector Structural Engineering assumes no responsibility for improper installation of the solar panels.

Please note that a representative of Vector Structural Engineering has not physically observed the roof framing of this home. Our conclusions are based upon the assumption that all structural roof components and other supporting elements are in good condition and are sized and spaced such that they can resist standard roof loads.

Very truly yours,

VECTOR STRUCTURAL ENGINEERING, LLC

Roger T. Alworth, S.E.  
Principal

Enclosure  
RTA/fcg



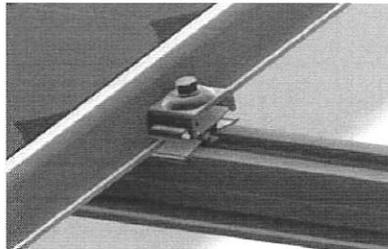
10/16/15



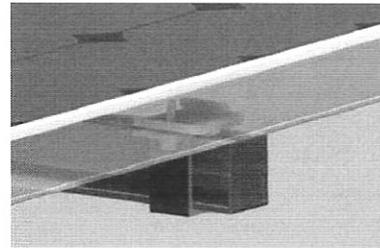
# SunPower® InvisiMount™ | Residential Mounting System

## InvisiMount Component Images

Module\* / Mid Clamp and Rail



Module\* / End Clamp and Rail



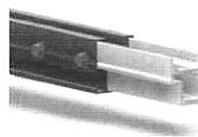
Mid Clamp



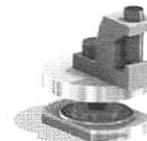
End Clamp



Rail & Rail Splice



Ground Lug Assembly



End Cap



### InvisiMount Component Details

Component	Material	Weight
Mid Clamp	Black oxide stainless steel AISI 304	63 g (2.2 oz)
End Clamp	Black anodized aluminum alloy 6063-T6	110 g (3.88 oz)
Rail	Black anodized aluminum alloy 6005-T6	830 g/m (9 oz/ft)
Rail Splice	Aluminum alloy 6005-T5	830 g/m (9 oz/ft)
Ground Lug Assembly	304 stainless (A2-70 bolt; tin-plated copper lug)	106.5 g/m (3.75 oz)
End Cap	Black acetal (POM) copolymer	10.4 g (0.37 oz)

### Roof Attachment Hardware Supported by InvisiMount System Design Tool

Application	Supported Hardware
	<ul style="list-style-type: none"> <li>• Composition Shingle Rafter Attachment</li> <li>• Composition Shingle Roof Decking Attachment</li> <li>• Curved and Flat Tile Roof Attachment</li> <li>• Universal Interface for Other Roof Attachments</li> </ul>

### InvisiMount Operating Conditions

Temperature	-40° C to 90° C (-40° F to 194° F)
Max. Load	2400 Pa uplift 5400 Pa downforce

### InvisiMount Warranties And Certifications

Warranties	25-year product warranty 5-year finish warranty
Certifications	UL 2703 Listed Class A fire rating when distance between roof surface and bottom of SunPower module frame is $\leq 3.5"$

### Roof Attachment Hardware Warranties

Refer to roof attachment hardware manufacturer's documentation
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\*Module frame that is compatible with the InvisiMount system required for hardware interoperability.

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sunpower.com  
Document #509506 Rev B



MAYOR  
RANDY LEWIS

CITY COUNCIL  
RICHARD HIGGINSON  
BETH HOLBROOK  
JOHN M. (MARC) KNIGHT  
KENDALYN HARRIS  
JOHN PITT

CITY MANAGER  
GARY R. HILL

## **Bountiful City, Utah Conditional Use Permit**

A public hearing was held on October 26, 2015, at Bountiful City Hall to consider the request of Ben and Sally Alley for a Conditional Use Permit allowing for a Private Power Plant (Solar Panels) at the following location:

**3597 South Oakridge Circle, Bountiful City, Davis County, Utah**

**ALL OF LOT 5, BONA VISTA SUB PLAT C. CONT. 0.533 ACRES.**

**Parcel: 01-033-0005**

The Bountiful City Administrative Committee heard the matter and considered the statements of the applicant, the City staff, and the public. As a result, the Administrative Committee makes the following findings:

1. This matter is properly heard before the Administrative Committee.
2. Appropriate public notice has been provided and a public hearing held.
3. The proposed request to operate a Private Power Plant (Solar Panels) meets the letter and the intent of the specific requirements in §14-2 and 14-14 et seq (Conditional Use Permit provisions) of the Bountiful City Land Use Ordinance.

The Bountiful City Administrative Committee hereby grants this Conditional Use Permit for a Private Power Plant (Solar Panels) to be located at 3597 South Oakridge Circle, in Bountiful, Davis County, Utah, with the following conditions:

1. The applicant shall obtain a building permit.
2. The panels must be installed only as proposed in the application.
3. This Conditional Use Permit is solely for this site and is non-transferable.

The Conditional Use Permit was approved on October 26, 2015, and this written form was approved this 9th day of November, 2015.

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Chad Wilkinson  
Planning Director

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ATTEST: Julie Holmgren  
Recording Secretary