El Dorado Hills
COMMUNITY SERVICES DISTRICT

Estab: May 21, 1962

Board of Directors
Parks & Planning Committee
Oak Knoll Clubhouse
3331 Alyssum Circle,
El Dorado Hills, California 95762

Tuesday, September 29, 2015
4:00 pm
AGENDA

Terry Crumpley, Vice President
Bill Vandegrift, Director

Mission Statement

"Enhance the quality of life for El Dorado Hills Residents through innovative, responsible leadership and by providing superior services and facilities."

Call to Order

- Roll Call
- Pledge of Allegiance
- Adoption of Agenda[1]

Board of Directors' Comments & Future Agenda Items

Public Comment

Receive and File

None

General Business

1. Energy Sustainability Project – Preliminary Review and Discussion (K. Loewen)
    a. Solar Installation at Community Park
2. Status Summary of Current & Upcoming Projects in Queue (K. Loewen)

[1]**Adoption of Agenda:** *This agenda may be amended up to 24 hours prior to the meeting being held. An AGENDA in FINAL FORM is located in the kiosk in front of the District Office as well as each of the El Dorado Hills Fire Stations. Additionally, a copy of the FINAL AGENDA is available on the District's website at www.edhcsd.org. Support material is available for public inspection at the receptionist counter in the District Office. Sessions of the Board of Directors may be recorded and members of the audience are asked to step to the microphone and give their name and address before addressing the Board. For anyone having difficulty hearing, listening assistance headphones are available from the Board clerk.*

3. Resident Concerns for Wilson Boulevard Fence – La Cresta LLAD – Discussion (K. Loewen)

Adjournment

EL DORADO HILLS
COMMUNITY SERVICES DISTRICT

AGENDA REPORT

To:	Parks and Planning Committee
From:	Kevin A. Loewen, Parks and Planning Director
Meeting Date:	September 29, 2015
Report Date:	September 22, 2015
Subject:	**Energy Sustainability Project – Preliminary Review & Discussion**

Recommended Action: Review and discuss potential energy sustainability project related to solar installation at Community Park.

Background: The Parks and Planning Director has sought out energy sustainability projects that would reduce District costs related to energy consumption, enhance facility lighting, add parking shade structures, and enhance environmental sustainability. Staff has closed in on a project that would meet these goals and is presenting summary notes of this work.

Discussion:

Project – Solar Covered Parking at Community Park

- Community Park uses in excess of 650,000 kWh annually.
- Available usable area for solar installation on building roofs is restrictive after considering the cost prohibitive nature contingent on the number of connections required to take this course of action.
- Parking lots at Community Park provide more usable area for the desired energy production.
- Covered parking with solar panels could be installed on a limited basis to offset approximately 500,000 kWh annually.

- Sunworks Solar has provided a conceptual installation that impacts a limited number of younger parking lot trees.
- Their product has a warranty of over 20 years, with ongoing real time monitoring of energy production.
- Sunworks Solar has also provided three separate cash flow and program analyses.
- District Administration and Finance Department has provided an internal financial analysis of Sunworks' submittal (attached).

At this time staff is seeking input from the Committee as to their recommendations, concerns or questions that will be addressed as staff continue exploring this project.

Fiscal Impact: None at this time

Attachments: A. Administration and Finance Department Financial Analysis
B. Solar Presentation

Financial Analysis

Project - Sun Works (solar parking)

Summary:

Sunworks proposal for solar panels in the Community Park includes three purchase options. The first purchase option is a Direct Purchase. With the Direct Purchase the District would pay $1,233,315 upfront for the purchase and installation of the panels. At year 11 the District would start realizing a positive cash flow from the panels, at year 25 would have a cumulative cash flow of $2,747,287, and at year 40 a cumulative cash flow of $8,044,325.

The second purchase option is a Buyout. With the Buyout option the District would make small payments (less than $100,000) for the first 5 years and then pay the balance of $1,196,295 on year six. At year 14 the District would start realizing a positive cash flow from the panels, at year 25 would have a cumulative cash flow of $2,349,465, and at year 40 a cumulative cash flow of $7,646,502.

The third purchase option titled “W/O Buyout” is a 25 year payment plan. With this option the District would make payments ranging from $82,327 to $157,597 per year for 25 years. The District would realize a small positive cash flow immediately, continuing on throughout the life of the panels. At year 25, the District would have a cumulative cash flow of $1,078,453, and at year 40 a cumulative cash flow of $6,375,491.

Recommendation: There are many variables to consider in each of these options. Option 1 offers the highest amount of gains and would provide the greatest long term benefit. However, using a conservative approach, Options 2 and 3 allows more flexibility with liquid funds.

With consideration of the amount needed to fund this project (using any of the 3 options), it may be best to wait until the update of the Master Plan for a global view of District priorities.

A discussion with Board Committee should be had to evaluate their desires.

SUNWORKS
SOLAR TODAY. SAVING TOMORROW.

SOLAR PROPOSAL FOR El Dorado Hills Community Services District

07/08/15

El Dorado Hills
COMMUNITY SERVICES DISTRICT

SUNworks is pleased to present this proposal for
El Dorado Hills Community Services District

Established almost twenty years ago by a group of solar industry experts, SUNworks provides homeowners and businesses with the resources to design, finance, install and manage solar systems from residential to large commercial, agri-business, and utility-scale projects. Our experience insures you will have a system that is optimized to produce the greatest amount of electricity, and insulate you from rising energy costs. Our clients enjoy positive cash-flow with their own power plants!

SUNworks is one of the fastest growing solar systems providers in California, and recently was acquired by Solar3D, Inc., stock ticker (SLTD). The merger has enhanced SUNworks' ability to engage in substantial projects, lower client costs with increased buying power, and stay at the forefront of solar technology. SUNworks continues to work with key partners, furthering the widespread adoption of solar as a smart economic and environmental choice for our clients.

Peter Myers
Commercial Design, Sales
C. 916 955-1148
pmyers@yoursunworks.com

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STATE OF CALIFORNIA

Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code and the Rules and Regulations of the Contractors State License Board, the Registrar of Contractors does hereby issue this license to:

SOLAR UNITED NETWORK INC
dba SUNWORKS

License Number 441690

to engage in the business or act in the capacity of a contractor in the following classification(s):

C10 - ELECTRICAL

Witness my hand and seal this day.

April 19, 2011

Issued June 16, 1983

James Miller
Board Chair

CERTIFIED COPY

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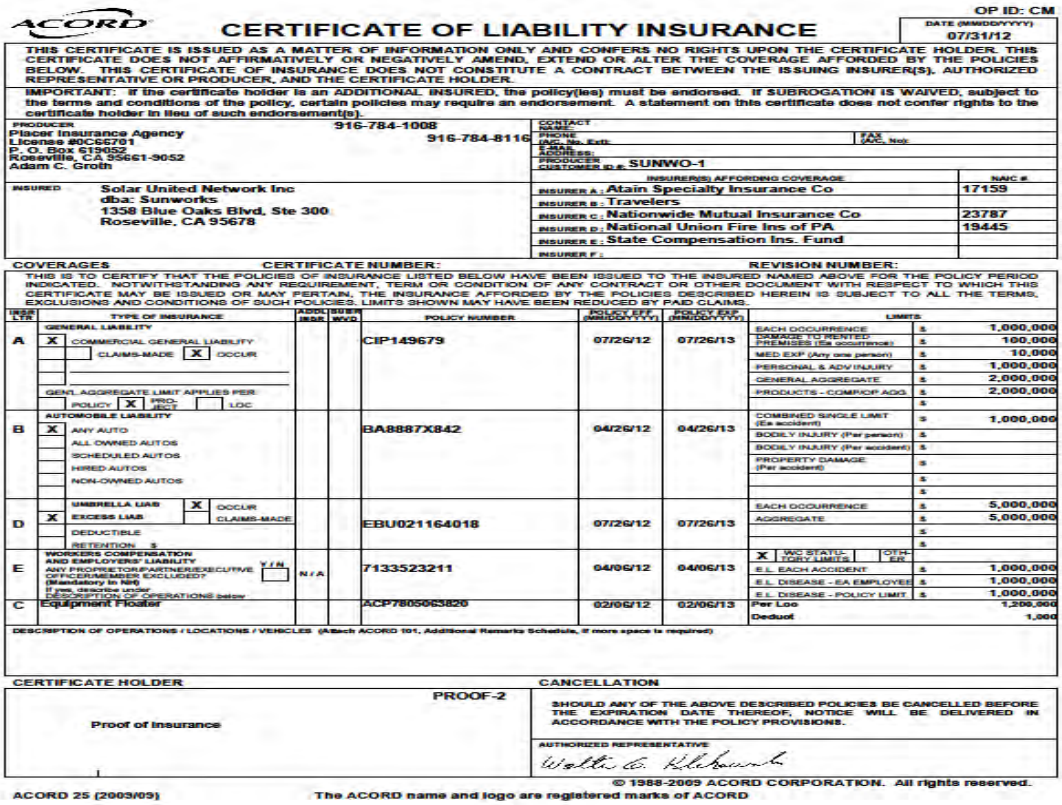
Registrar of Contractors



ACORD

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OP ID: CM

DATE (MM/DD/YYYY): 07/31/12

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PRODUCER
Placer Insurance Agency
License #0C68701
P. O. Box 619052
Roseville, CA 95661-9052
Adam C. Groth
916-784-1008
916-784-8116

CONTACT NAME:
PHONE (A/C, No, Ext): FAX (A/C, No):
E-MAIL ADDRESS:
PRODUCER CUSTOMER ID #: SUNWO-1

INSURED
Solar United Network Inc
dba: Sunworks
1358 Blue Oaks Blvd, Ste 300
Roseville, CA 95678

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: Atain Specialty Insurance Co	17159
INSURER B: Travelers	
INSURER C: Nationwide Mutual Insurance Co	23787
INSURER D: National Union Fire Ins of PA	19445
INSURER E: State Compensation Ins. Fund	
INSURER F:	

COVERAGES | CERTIFICATE NUMBER: | REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC			CIP149679	07/26/12	07/26/13	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG.	$ 1,000,000 $ 100,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
B	X AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS			BA8887X842	04/26/12	04/26/13	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000
D	UMBRELLA LIAB X OCCUR X EXCESS LIAB CLAIMS-MADE DEDUCTIBLE RETENTION $			EBU021164018	07/26/12	07/26/13	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000
E	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		7133523211	04/06/12	04/06/13	X WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
C	Equipment Floater			ACP7805063820	02/06/12	02/06/13	Per Loc Deduct	1,200,000 1,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

PROOF-2

Proof of Insurance

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Wolfie C. Kilbourne

ACORD 25 (2009/09)

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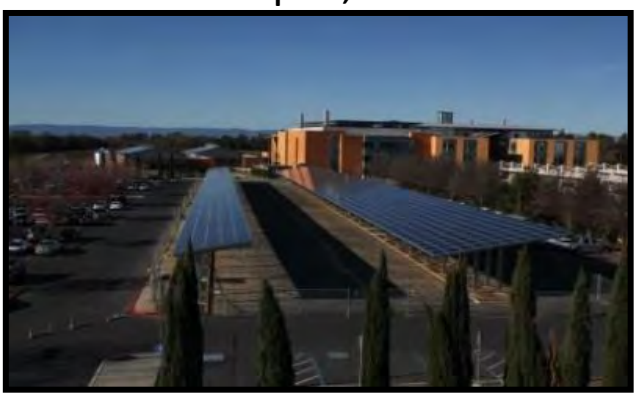
Partial List of Notable Projects

UC Davis Campus, 7 sites 686kw



Ramal Winery, Napa 280kw

La Crema, Jackson Family Wines, Windsor 918kw

Drumheller Rice Dryers, Butte City 230kw

Recycling Industries, Sacramento 346kw

Machado Alfalfa Farm, Tracy 124kw

City of Monterey, 600kw

Quaresma Dairy, Manteca 597kw

NOTABLE PROJECTS

UC DAVIS, CA "UCD"
<u>756.52 KW DC</u> ROOF & CAR PORT MOUNT
DEVELOPED, INSTALLED AND COMMISSIONED BY SUNWORKS ON 12/5/11

REFFERAL:

Although my exposure to Sunworks has been limited to a single project, a 756.52 kW solar project located on 7 different sites around the University of California Davis campus, I have to say that I was pleased with their ability to step up and complete a challenging project.

With weekly construction challenges and changes, and a fixed completion date, Sunworks was able pull the necessary resources together and meet the high expectations of both the University and Main Street Power within our narrow time frame.

Sunworks ability to improvise in the field and provide solutions to unforeseen issues was well received by Main Street Power and I would recommend Sunworks for a similar, challenging solar install.

Respectfully,

Kyle Remley
Main Street Power
Project Coordinator
303-444-3020

"DRUMHELLER DRYER LLC"

<u>550 KW DC</u> GROUND MOUNT

DEVELOPED, FINANCED, INSTALLED AND COMMISSIONED BY SUNWORKS

PROJECT COMPLETION 6-15-13

REFFERAL:

We began looking into the installation of solar for our dryers & shops a few years ago but at that time it wasn't a viable option. That changed when SUNworks recently approached us with their innovated solar design and special financing allowing us to install solar systems that offset our main dryers, 3 shops, and large AG pump, all with no initial capital outlay.

We are extremely satisfied with SUNworks ability to facilitate the entire process from the financing, design & engineering, installation coordination and completion, and finally the handling of all necessary permits and paperwork. They went the extra mile to overcome any obstacles that got in the way and made sure we were always informed. We want to thank SUNworks for making the entire process of converting to solar power an easy and enjoyable experience. We have already begun thinking about our next project that will include solar and we're look forward to working with SUNworks to complete it.

If you have interests in solar we highly recommend you utilize the team over at SUNworks.

Sincerely,

William Stone
President,
Drumheller Dryers LLC.
(530) 882-4485

“JACKSON FAMILY WINES-RAMAL WINERY”
280 KW DC ROOF BALLAST MOUNT
DEVELOPED, INSTALLED AND COMMISSIONED BY SUNWORKS
PROJECT COMPLETION 6-10-13

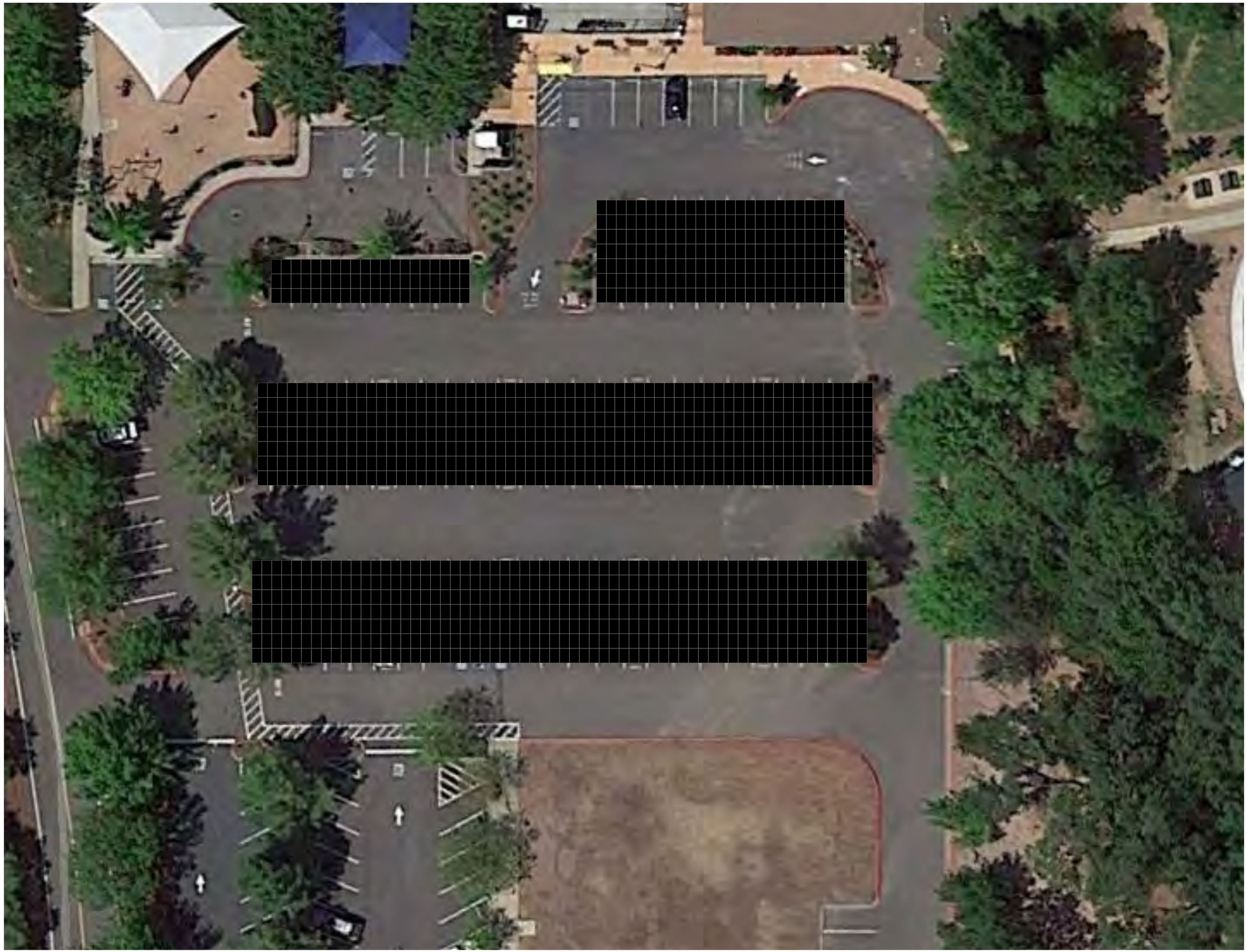
REFFERAL:

Jackson Family Wines was pleased to work with the Sunworks team as the solar PV integrator for our newly acquired Ramal Winery facility. Sunworks developed, designed and installed the 280 KW DC ballast mount system on our three barrel buildings.

There innovated design and attention to detail through design, permitting, and installation was impeccable. They have a proven schedule control and excellent quality control.

We were very pleased with their overall performance and highly recommend Sunworks for a similar project and or any agriculture project.

Sincerely,
Hugh Reimers
COO, Jackson Family Wines
707-525-6500



SUNWORKS
SOLAR TODAY. SAVING TOMORROW.

1010 Winding Creek Rd. Ste 100, Roseville, CA 95678
Toll Free: (866) 600-6800
Office: (916) 409-6900
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Site Location Information:

PV Solar Proposal for:

ED Hills Park District

360kw DC System

1021 Harvard Way, El Dorado Hills CA

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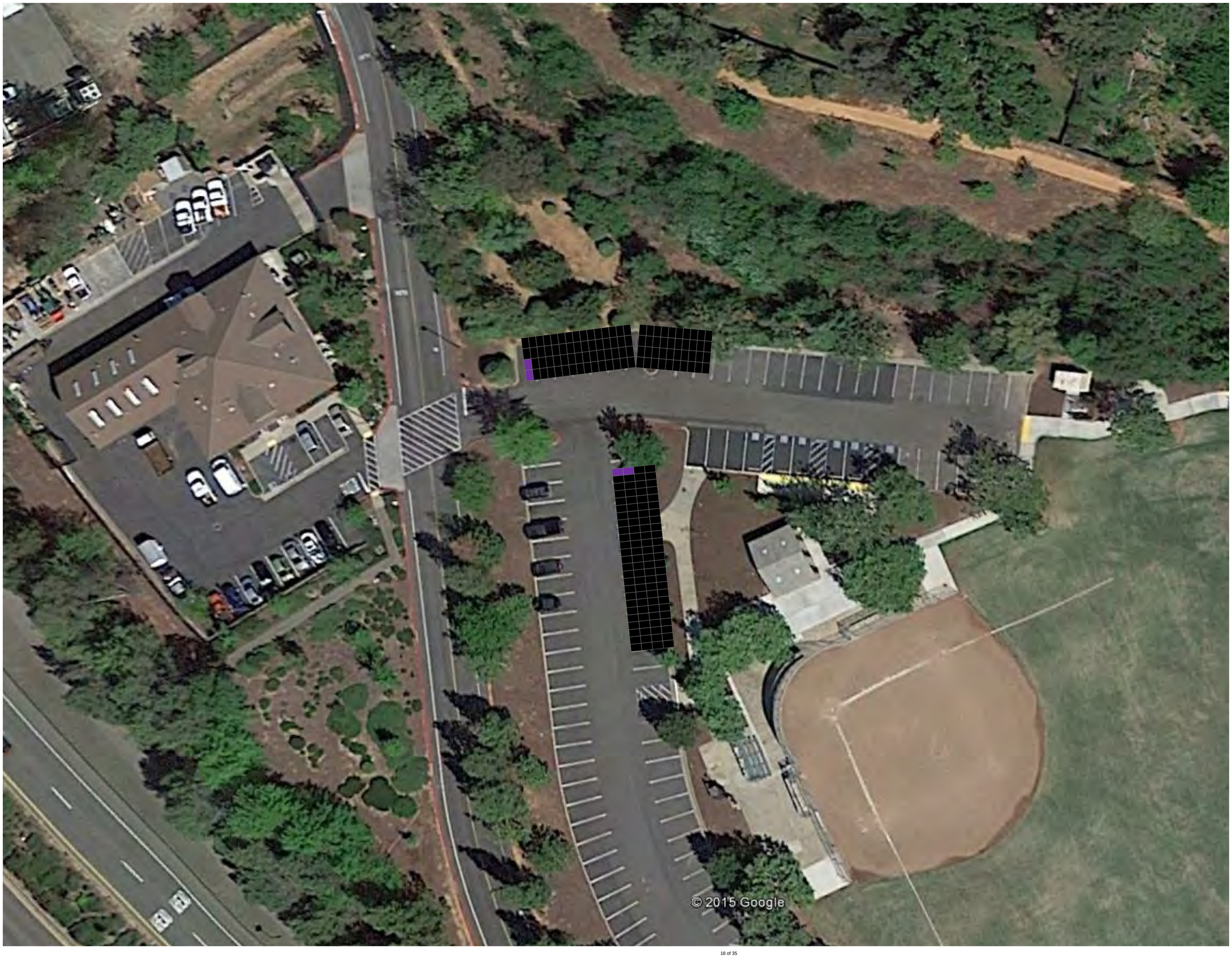
Page Name: Label - 1

Rep: Peter Myers

Page: PV - 1

Rev: 0



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Site Location
Information:

PV Solar Proposal for:

ED Hills Parks-Offices

32kw DC System

1030 Harvard Way El Dorado Hills, CA

N

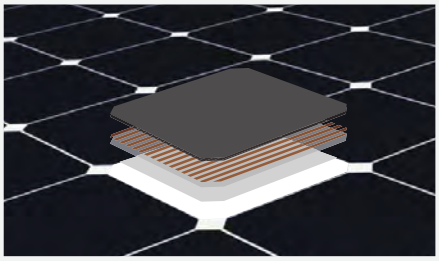
Peter Myers

Page: PV - 1 Rev: 1

El Dorado Hills
COMMUNITY SERVICES DISTRICT

E-SERIES COMMERCIAL SOLAR PANELS

- **20.4% efficiency**
  Captures more sunlight and generates more power than conventional panels.
- **High performance**
  Delivers excellent performance in real world conditions, such as high temperatures, could and low light.[1, 2, 3]
- **Commercial grade**
  Optimized to maximize returns and energy production, the E-Series panel is a bankable solution for commercial solar applications.



Maxeon® Solar Cells: Fundamentally better.
Engineered for performance, designed for reliability.

Engineered for peace of mind
Designed to deliver consistent, trouble-free energy over a very long lifetime.[4,5]

Designed for reliability
The SunPower® Maxeon Solar Cell is the only cell built on a solid copper foundation. Virtually impervious to the corrosion and cracking that degrade Conventional Panels.[4,5]

#1 Ranked in Fraunhofer durability test.[10]
100% power maintained in Atlas 25+ comprehensive PVDI Durability test.[11]

HIGH PERFORMANCE & EXCELLENT RELIABILITY

E20 SERIES

E20 - 327 PANELS

HIGH EFFICIENCY[6]

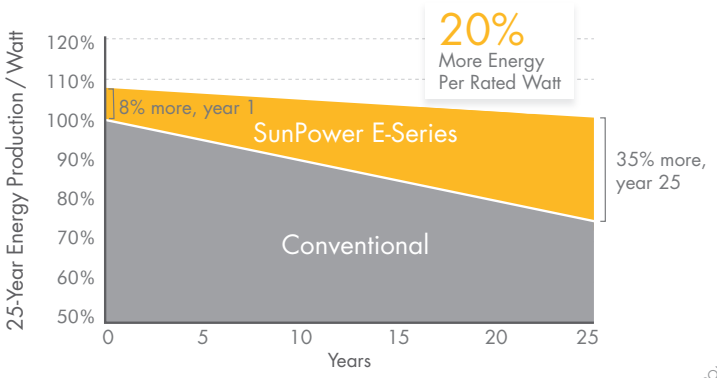
Generate more energy per square foot

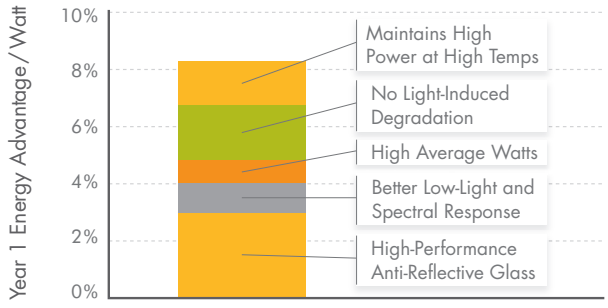
E-Series commercial panels convert more sunlight to electricity producing 36% more power per panel,[1] and 60% more energy per square foot over 25 years.[3,4]

HIGH ENERGY PRODUCTION[7]

Produce more energy per rated watt

More energy to power your operations. High year one performance delivers 7-9% more energy per rated watt.[3] This advantage increases over time, producing 20% more energy over the first 25 years to meet your needs.[4]

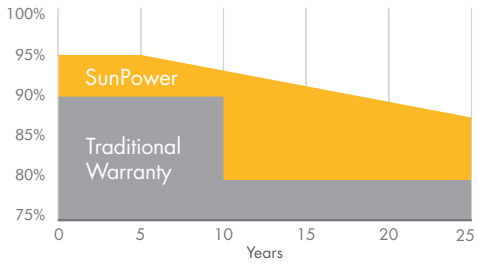




E-SERIES COMMERCIAL SOLAR PANELS

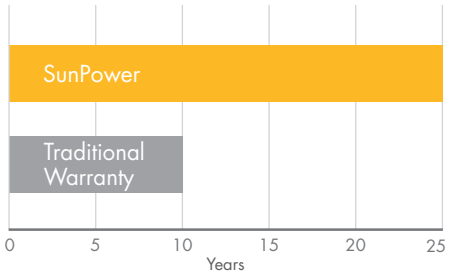
SUNPOWER OFFERS THE BEST COMBINED POWER AND PRODUCT WARRANTY

POWER WARRANTY



More guaranteed power: 95% for first 5 years, -0.4%/yr. to year 25. [8]

PRODUCT WARRANTY

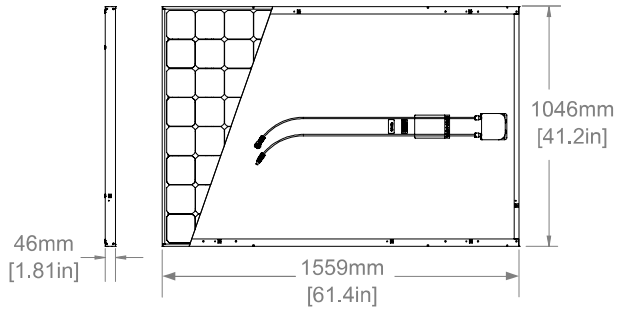


Combined Power and Product Defect 25 year coverage that includes panel replacement costs. [9]

ELECTRICAL DATA		
	E20-327-COM	**E19-310-COM**
Nominal Power[12] (Pnom)	327 W	310 W
Power Tolerance	+5/–3%	+5/–3%
Avg. Panel Efficiency[13]	20.4%	19.3%
Rated Voltage (Vmpp)	54.7 V	54.7 V
Rated Current (Impp)	5.98 A	5.67 A
Open-Circuit Voltage (Voc)	64.9 V	64.4 V
Short-Circuit Current (Isc)	6.46 A	6.05 A
Maximum System Voltage	1000 V UL ; 1000 V IEC	
Maximum Series Fuse	20 A	
Power Temp Coef. (Pmpp)	–0.38% / °C	
Voltage Temp Coef. (Voc)	–176.6 mV / °C	
Current Temp Coef. (Isc)	3.5 mA / °C	

OPERATING CONDITION AND MECHANICAL DATA	
Temperature	– 40°F to +185°F (– 40°C to +85°C)
Max load	Wind: 50 psf, 2400 Pa, 245 kg/m² front & back Snow: 112 psf, 5400 Pa, 550kg/m² front
Impact resistance	1 inch (25 mm) diameter hail at 52 mph (23 m/s)
Appearance	Class B
Solar Cells	96 Monocrystalline Maxeon Gen II Cells
Tempered Glass	High Transmission Tempered Anti-Reflective
Junction Box	IP-65 Rated
Connectors	MC4 Compatible
Frame	Class 2 silver anodized
Weight	41 lbs (18.6 kg)

TESTS AND CERTIFICATIONS	
Standard tests	UL 1703, IEC 61215, IEC 61730
Quality tests	ISO 9001:2008, ISO 14001:2004
EHS Compliance	RoHS, OHSAS 18001:2007, lead-free
Ammonia test	IEC 62716
Salt Spray test	IEC 61701 (passed maximum severity)
PID test	Potential-Induced Degradation free: 1000V [10]
Available listings	CEC, JET, KEMCO, MCS, FSEC, CSA, UL, TUV



REFERENCES:

1 All comparisons are SPR-E20-327 vs. a representative conventional panel: 240W, approx. 1.6 m², 15% efficiency.
2 PVEvolution Labs "SunPower Shading Study," Feb 2013.
3 Typically 7-9% more energy per watt, BEW/DNV Engineering "SunPower Yield Report," Jan 2013.
4 SunPower 0.25%/yr degradation vs. 1.0%/yr conv. panel. Campeau, Z. et al. "SunPower Module Degradation Rate," SunPower white paper, Feb 2013; Jordan, Dirk "SunPower Test Report," NREL, Oct 2012.
5 "SunPower Module 40-Year Useful Life" SunPower white paper, Feb 2013. Useful life is 99 out of 100 panels operating at more than 70% of rated power.
6 Out of all 2600 panels listed in Photon International, Feb 2012.
7 8% more energy than the average of the top 10 panel companies tested in 2012 (151 panels, 102 companies), Photon International, March 2013.
8 Compared with the top 15 manufacturers. SunPower Warranty Review, Feb 2013.
9 Some exclusions apply. See warranty for details.
10 5 of top 8 panel manufacturers were tested by Fraunhofer ISE, "PV Module Durability Initiative Public Report," Feb 2013.
11 Compared with the non-stress-tested control panel. Atlas 25+ Durability test report, Feb 2013.
12 Standard Test Conditions (1000 W/m² irradiance, AM 1.5, 25° C).
13 Based on average of measured power values during production.

See http://www.sunpowercorp.com/facts for more reference information.
For further details, see extended datasheet: www.sunpowercorp.com/datasheets Read safety and installation instructions before using this product.

Designed in California
sunpowercorp.com

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Document # 505701 Rev A /LTR_EN

3-PH TRANSFORMERLESS
STRING INVERTERS

PVI **14TL**
PVI **20TL**
PVI **23TL**
PVI **28TL**

FEATURES

- 600 or 1000 VDC
- Best-in-class efficiency
- Three-phase transformerless inverters
- Quick and easy installation
- Dual MPP tracking zones
- Wide MPPT range
- Lightweight, compact design
- Modbus communications
- User-interactive LCD
- Wall mount configuration

OPTIONS

- Integrated DC fused string combiner
- DC arc-fault protection
- Web-based monitoring

3-PH TRANSFORMERLESS STRING INVERTERS

Solectria Renewables' PVI 14TL, PVI 20TL, PVI 23TL, and PVI 28TL are compact, transformerless three-phase inverters with a dual MPP tracker. These inverters come standard with AC and DC disconnect, user-interactive LCD and 8-fuse string combiner. Its small and lightweight design make for quick and easy installation and maintenance. These inverters include an enhanced DSP control, comprehensive protection functions, and advanced thermal design enabling highest reliability and uptime. They also come with a standard 10 year warranty with options for 15 and 20 years.

Built for the real world

SPECIFICATIONS	PVI 14TL	PVI 20TL	PVI 23TL	PVI 28TL
DC Input				
Absolute Maximum Open Circuit Voltage	600 VDC		1000 VDC	
Operating Voltage Range	180-580 VDC	260-580 VDC	300-900 VDC	
MPPT Input Voltage Range	300-540 VDC	300-550 VDC	480-800 VDC	500-800 VDC
MPP Trackers	2 with 4-fused inputs per tracker			
Maximum Operating Input Current	2x 25A	2x 35A	2x 27 A	2x 32 A
Strike Voltage	300 V		330 V	
AC Output				
Nominal Output Voltage	208 VAC, 3-Ph	480 VAC, 3-Ph		
AC Voltage Range (Standard)	-12%/+10%			
Continuous Output Power (VAC)	14 kW	20 kW	23 kW	28 kW
Continuous Output Current (VAC)	39 A	27.3 A	32 A	39 A
Maximum Backfeed Current	0 A			
Nominal Output Frequency	60 Hz			
Output Frequency Range	57-63 Hz	59.3-60.5 Hz	57-63 Hz	
Power Factor	Unity, >0.99			
Total Harmonic Distortion (THD)	< 3%			
Efficiency				
Peak Efficiency	96.9%	97.4%	98.4%	
CEC Efficiency	96.0%	97.0%	98.0%	
Tare Loss	< 4 W	< 2 W		
Integrated String Combiner				
8 Fused Positions (4 positions per MPPT)	15 A (fuse by-pass available)			
Temperature				
Ambient Temperature Range	-13°F to +140°F (-25°C to +60°C) Derating occurs over +50°C		-13°F to +140°F (-25°C to +60°C) Derating occurs over +45°C	
Storage Temperature Range	-22°F to +158°F (-30°C to +70°C)			
Relative Humidity (non-condensing)	0-95%			
Data Monitoring				
Optional SolrenView Web-based Monitoring	Integrated			
Optional Revenue Grade Monitoring	External			
External Communication Interface	RS485 Modbus RTU			
Testing & Certifications				
Safety Listings & Certifications	UL 1741/IEEE 1547, IEEE 1547.1, CSA C22.2#107.1, FCC part 15 B			
Testing Agency	ETL		CSA	
Warranty				
Standard	10 year			
Optional	15, 20 year; extended service agreement			
Enclosure				
AC/DC Disconnect	Standard, fully-integrated			
Dimensions (H x W x D)	41.6 x 21.4 x 8.5 in. (1057 x 543 x 216 mm)		39.4 x 23.6 x 9.1 in. (1000 x 600 x 230 mm)	
Weight	141 lbs (64 kg)	132 lbs (60 kg)	122 lbs (55 kg)	
Enclosure Rating	Type 4			
Enclosure Finish	Polyester powder coated aluminum			

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Direct Purchase Cash Flow Analysis

El Dorado Parks Community Services District

Model Assumptions							
Federal Tax	0.00%	Current Usage kWh	656,527	Contract Amount	($1,233,315)
State Tax	0.00%	Year 1 Production kWh	506,318	Loan Payment	
FITC	0%	Utility Rate Per kWh	$ 0.17988	kW DC system size	315.88
50% MACRS Bonus	No	Solar Offset Per kWh	$ 0.18353	Cost per kW DC	$3.90
Upfront Rebate	$ -	25 year kWh Usage	16,413,175	Rebate	0.025
Degradation	0.25%	25 year kWh production	12,285,391	EPBB Rebate kWh	0
Inflation	4.47%	Levelized cost of solar over 25 years	0.10039	PBI Rebate kWh	0
		Eligible Production	0	Years Payback	10.76

	UTILITY		SOLAR		REMAINING		INCENTIVES		Depr. Sched.	Net $	Loan	Cash Flows	
Year	Current kWh Usage	Current Cost	kWh Production	Cost Offset	Remaining Usage	Remaining Cost	Fed Tax Credit	Estimated Utility Rebate	6 Year	Energy Savings	Payment	Total Annual Cash Flow	Cumulative Cash Flow
0								-					($1,233,315)
1	656,527	$ 118,096.08	506,318	$ 92,924.54	150,209	$ 25,171.53	$0	$0.00	$0	$ 92,924.54	$0	$ 92,924.54	($1,140,390)
2	656,527	$ 123,482.09	505,052	$ 96,835.57	151,475	$ 26,646.51		$0.00	$0	$ 96,835.57	$0	$ 96,835.57	($1,043,555)
3	656,527	$ 129,108.85	503,790	$ 100,911.21	152,737	$ 28,197.64		$0.00	$0	$ 100,911.21	$0	$ 100,911.21	($942,644)
4	656,527	$ 134,987.13	502,530	$ 105,158.39	153,997	$ 29,828.74		$0.00	$0	$ 105,158.39	$0	$ 105,158.39	($837,485)
5	656,527	$ 141,128.17	501,274	$ 109,584.32	155,253	$ 31,543.85		$0.00	$0	$ 109,584.32	$0	$ 109,584.32	($727,901)
6	656,527	$ 147,543.72	500,021	$ 114,196.54	156,506	$ 33,347.18			$0	$ 114,196.54	$0	$ 114,196.54	($613,704)
7	656,527	$ 154,246.04	498,771	$ 119,002.87	157,756	$ 35,243.17				$ 119,002.87	$0	$ 119,002.87	($494,702)
8	656,527	$ 161,247.95	497,524	$ 124,011.49	159,003	$ 37,236.46				$ 124,011.49	$0	$ 124,011.49	($370,690)
9	656,527	$ 168,562.85	496,280	$ 129,230.92	160,247	$ 39,331.94				$ 129,230.92	$0	$ 129,230.92	($241,459)
10	656,527	$ 176,204.73	495,039	$ 134,670.02	161,488	$ 41,534.71				$ 134,670.02	$0	$ 134,670.02	($106,789)
11	656,527	$ 184,188.19	493,802	$ 140,338.05	162,725	$ 43,850.15				$ 140,338.05		$ 140,338.05	$33,549
12	656,527	$ 192,528.52	492,567	$ 146,244.63	163,960	$ 46,283.89				$ 146,244.63		$ 146,244.63	$179,794
13	656,527	$ 201,241.66	491,336	$ 152,399.81	165,191	$ 48,841.85				$ 152,399.81		$ 152,399.81	$332,193
14	656,527	$ 210,344.28	490,107	$ 158,814.05	166,420	$ 51,530.23				$ 158,814.05		$ 158,814.05	$491,007
15	656,527	$ 219,853.79	488,882	$ 165,498.25	167,645	$ 54,355.53				$ 165,498.25		$ 165,498.25	$656,506
16	656,527	$ 229,788.36	487,660	$ 172,463.79	168,867	$ 57,324.58				$ 172,463.79		$ 172,463.79	$828,969
17	656,527	$ 240,167.02	486,441	$ 179,722.49	170,086	$ 60,444.53				$ 179,722.49		$ 179,722.49	$1,008,692
18	656,527	$ 251,009.60	485,225	$ 187,286.69	171,302	$ 63,722.91				$ 187,286.69		$ 187,286.69	$1,195,979
19	656,527	$ 262,336.85	484,011	$ 195,169.26	172,516	$ 67,167.59				$ 195,169.26		$ 195,169.26	$1,391,148
20	656,527	$ 274,170.42	482,801	$ 203,383.59	173,726	$ 70,786.83				$ 203,383.59		$ 203,383.59	$1,594,531
21	656,527	$ 286,532.95	481,594	$ 211,943.65	174,933	$ 74,589.30				$ 211,943.65		$ 211,943.65	$1,806,475
22	656,527	$ 299,448.09	480,390	$ 220,863.99	176,137	$ 78,584.10				$ 220,863.99		$ 220,863.99	$2,027,339
23	656,527	$ 312,940.54	479,189	$ 230,159.77	177,338	$ 82,780.77				$ 230,159.77		$ 230,159.77	$2,257,499
24	656,527	$ 327,036.09	477,991	$ 239,846.79	178,536	$ 87,189.30				$ 239,846.79		$ 239,846.79	$2,497,346
25	656,527	$ 341,761.72	476,797	$ 249,941.52	179,730	$ 91,820.20				$ 249,941.52		$ 249,941.52	**$2,747,287**
26	656,527	$ 357,145.59	475,605	$ 260,461.12	180,922	$ 96,684.47				$ 260,461.12		$ 260,461.12	$3,007,748
27	656,527	$ 373,217.11	474,416	$ 271,423.48	182,111	$ 101,793.64				$ 271,423.48		$ 271,423.48	$3,279,172
28	656,527	$ 390,007.03	473,229	$ 282,847.21	183,298	$ 107,159.82				$ 282,847.21		$ 282,847.21	$3,562,019
29	656,527	$ 407,547.46	472,046	$ 294,751.76	184,481	$ 112,795.70				$ 294,751.76		$ 294,751.76	$3,856,771
30	656,527	$ 425,871.95	470,866	$ 307,157.34	185,661	$ 118,714.60				$ 307,157.34		$ 307,157.34	$4,163,928
31	656,527	$ 445,015.54	469,689	$ 320,085.06	186,838	$ 124,930.48				$ 320,085.06		$ 320,085.06	$4,484,013
32	656,527	$ 465,014.85	468,515	$ 333,556.88	188,012	$ 131,457.97				$ 333,556.88		$ 333,556.88	$4,817,570
33	656,527	$ 485,908.13	467,344	$ 347,595.71	189,183	$ 138,312.43				$ 347,595.71		$ 347,595.71	$5,165,166
34	656,527	$ 507,735.34	466,175	$ 362,225.40	190,352	$ 145,509.94				$ 362,225.40		$ 362,225.40	$5,527,391
35	656,527	$ 530,538.23	465,010	$ 377,470.83	191,517	$ 153,067.39				$ 377,470.83		$ 377,470.83	$5,904,862
36	656,527	$ 554,360.40	463,847	$ 393,357.92	192,680	$ 161,002.48				$ 393,357.92		$ 393,357.92	$6,298,220
37	656,527	$ 579,247.43	462,688	$ 409,913.67	193,839	$ 169,333.76				$ 409,913.67		$ 409,913.67	$6,708,134
38	656,527	$ 605,246.90	461,531	$ 427,166.22	194,996	$ 178,080.69				$ 427,166.22		$ 427,166.22	$7,135,300
39	656,527	$ 632,408.55	460,377	$ 445,144.89	196,150	$ 187,263.66				$ 445,144.89		$ 445,144.89	$7,580,445
40	656,527	$ 660,784.33	459,226	$ 463,880.26	197,301	$ 196,904.07	23 of 35			$ 463,880.26		$ 463,880.26	$8,044,325
Totals	26,261,080	12,708,005	19,295,955	9,277,640	6,965,125	3,430,365		$0	$0	$9,277,640	$0		

PPA Flow Analysis With Buyout

El Dorado Hills Community Services District

Model Assumptions							
Federal Tax	0.00%	Current Usage kWh	656,527	PPA Rate/kWh	($0.16260)
State Tax	0.00%	Year 1 Production kWh	506,318	PPA Inflation	3%
FITC	0%	Utility Rate Per kWh	$ 0.17998	kW DC system size	316.00
50% MACRS Bonus	No	Solar Offset Per kWh	$ 0.18353	Cost per kW DC	$0.00
Upfront Rebate	$ -	25 year kWh Usage	16,413,175	Rebate	0.025
Degradation	0.25%	25 year kWh production	12,285,391	EPBB Rebate kWh	0
Inflation	4.47%	Levelized cost of solar over 25 years	0.00000	PBI Rebate kWh	0
		Eligible Production	0	Buyout Cost	(1,196,295)

	UTILITY		SOLAR		REMAINING		INCENTIVES		Depr. Tax Savings		Net $	PPA	Cash Flows	
Year	Current kWh Usage	Current Cost	kWh Production	Cost Offset	Remaining Usage	Remaining Cost	Fed Tax Credit	Utility Rebate	Federal	State	Energy Savings	Payment	Total Annual Cash Flow	Cumulative Cash Flow
0								-						
1	656,527	$ 118,161.73	506,318	$ 92,924.54	150,209	$ 25,237.19	$0	$0.00	$0	$0	$ 92,924.54	($82,327)	$ 10,597.28	$10,597
2	656,527	$ 123,547.74	505,052	$ 96,835.57	151,475	$ 26,712.17		$0.00	$0	$0	$ 96,835.57	($84,585)	$ 12,250.44	$22,848
3	656,527	$ 129,174.50	503,790	$ 100,911.21	152,737	$ 28,263.29		$0.00	$0	$0	$ 100,911.21	($86,905)	$ 14,006.33	$36,854
4	656,527	$ 135,052.79	502,530	$ 105,158.39	153,997	$ 29,894.40		$0.00	$0	$0	$ 105,158.39	($89,288)	$ 15,870.14	$52,724
5	656,527	$ 141,193.83	501,274	$ 109,584.32	155,253	$ 31,609.50		$0.00	$0	$0	$ 109,584.32	($91,737)	$ 17,847.35	$70,572
6	656,527	$ 147,609.37	500,021	$ 114,196.54	156,506	$ 33,412.84			$0	$0	$ 114,196.54	($1,196,295)	$ (1,082,098.46)	($1,011,527)
7	656,527	$ 154,311.69	498,771	$ 119,002.87	157,756	$ 35,308.82				$0	$ 119,002.87		$ 119,002.87	($892,524)
8	656,527	$ 161,313.61	497,524	$ 124,011.49	159,003	$ 37,302.12				$0	$ 124,011.49		$ 124,011.49	($768,513)
9	656,527	$ 168,628.50	496,280	$ 129,230.92	160,247	$ 39,397.59				$0	$ 129,230.92		$ 129,230.92	($639,282)
10	656,527	$ 176,270.38	495,039	$ 134,670.02	161,488	$ 41,600.36				$0	$ 134,670.02		$ 134,670.02	($504,612)
11	656,527	$ 184,253.85	493,802	$ 140,338.05	162,725	$ 43,915.80				$0	$ 140,338.05		$ 140,338.05	($364,274)
12	656,527	$ 192,594.17	492,567	$ 146,244.63	163,960	$ 46,349.55				$0	$ 146,244.63		$ 146,244.63	($218,029)
13	656,527	$ 201,307.31	491,336	$ 152,399.81	165,191	$ 48,907.51					$ 152,399.81		$ 152,399.81	($65,629)
14	656,527	$ 210,409.93	490,107	$ 158,814.05	166,420	$ 51,595.88					$ 158,814.05		$ 158,814.05	$93,185
15	656,527	$ 219,919.44	488,882	$ 165,498.25	167,645	$ 54,421.18					$ 165,498.25		$ 165,498.25	$258,683
16	656,527	$ 229,854.02	487,660	$ 172,463.79	168,867	$ 57,390.23					$ 172,463.79		$ 172,463.79	$431,147
17	656,527	$ 240,232.67	486,441	$ 179,722.49	170,086	$ 60,510.19					$ 179,722.49		$ 179,722.49	$610,869
18	656,527	$ 251,075.25	485,225	$ 187,286.69	171,302	$ 63,788.56					$ 187,286.69		$ 187,286.69	$798,156
19	656,527	$ 262,402.50	484,011	$ 195,169.26	172,516	$ 67,233.24					$ 195,169.26		$ 195,169.26	$993,325
20	656,527	$ 274,236.07	482,801	$ 203,383.59	173,726	$ 70,852.48					$ 203,383.59		$ 203,383.59	$1,196,709
21	656,527	$ 286,598.61	481,594	$ 211,943.65	174,933	$ 74,654.95					$ 211,943.65		$ 211,943.65	$1,408,653
22	656,527	$ 299,513.74	480,390	$ 220,863.99	176,137	$ 78,649.76					$ 220,863.99		$ 220,863.99	$1,629,517
23	656,527	$ 313,006.19	479,189	$ 230,159.77	177,338	$ 82,846.42					$ 230,159.77		$ 230,159.77	$1,859,676
24	656,527	$ 327,101.75	477,991	$ 239,846.79	178,536	$ 87,254.96					$ 239,846.79		$ 239,846.79	$2,099,523
25	656,527	$ 341,827.38	476,797	$ 249,941.52	179,730	$ 91,885.85					$ 249,941.52		$ 249,941.52	**$2,349,465**
26	656,527	$ 357,211.24	475,605	$ 260,461.12	180,922	$ 96,750.12					$ 260,461.12		$ 260,461.12	$2,609,926
27	656,527	$ 373,282.76	474,416	$ 271,423.48	182,111	$ 101,859.29					$ 271,423.48		$ 271,423.48	$2,881,349
28	656,527	$ 390,072.69	473,229	$ 282,847.21	183,298	$ 107,225.47					$ 282,847.21		$ 282,847.21	$3,164,197
29	656,527	$ 407,613.12	472,046	$ 294,751.76	184,481	$ 112,861.36					$ 294,751.76		$ 294,751.76	$3,458,948
30	656,527	$ 425,937.60	470,866	$ 307,157.34	185,661	$ 118,780.26					$ 307,157.34		$ 307,157.34	$3,766,106
31	656,527	$ 445,081.19	469,689	$ 320,085.06	186,838	$ 124,996.13					$ 320,085.06		$ 320,085.06	$4,086,191
32	656,527	$ 465,080.50	468,515	$ 333,556.88	188,012	$ 131,523.62					$ 333,556.88		$ 333,556.88	$4,419,748
33	656,527	$ 485,973.78	467,344	$ 347,595.71	189,183	$ 138,378.08					$ 347,595.71		$ 347,595.71	$4,767,343
34	656,527	$ 507,800.99	466,175	$ 362,225.40	190,352	$ 145,575.59					$ 362,225.40		$ 362,225.40	$5,129,569
35	656,527	$ 530,603.88	465,010	$ 377,470.83	191,517	$ 153,133.05					$ 377,470.83		$ 377,470.83	$5,507,039
36	656,527	$ 554,426.05	463,847	$ 393,357.92	192,680	$ 161,068.13					$ 393,357.92		$ 393,357.92	$5,900,397
37	656,527	$ 579,313.08	462,688	$ 409,913.67	193,839	$ 169,399.41					$ 409,913.67		$ 409,913.67	$6,310,311
38	656,527	$ 605,312.55	461,531	$ 427,166.22	194,996	$ 178,146.34					$ 427,166.22		$ 427,166.22	$6,737,477
39	656,527	$ 632,474.21	460,377	$ 445,144.89	196,150	$ 187,329.31					$ 445,144.89		$ 445,144.89	$7,182,622
40	656,527	$ 660,849.98	459,226	$ 463,880.26	197,301	$ 196,969.72					$ 463,880.26		$ 463,880.26	$7,646,502
Totals	26,261,080	12,710,631	19,295,955	9,277,640	6,965,125	3,432,991		$0	$0		$9,277,640	($1,631,138)		

PPA Flow Analysis W/O buyout

El Dorado Hills Community Services District

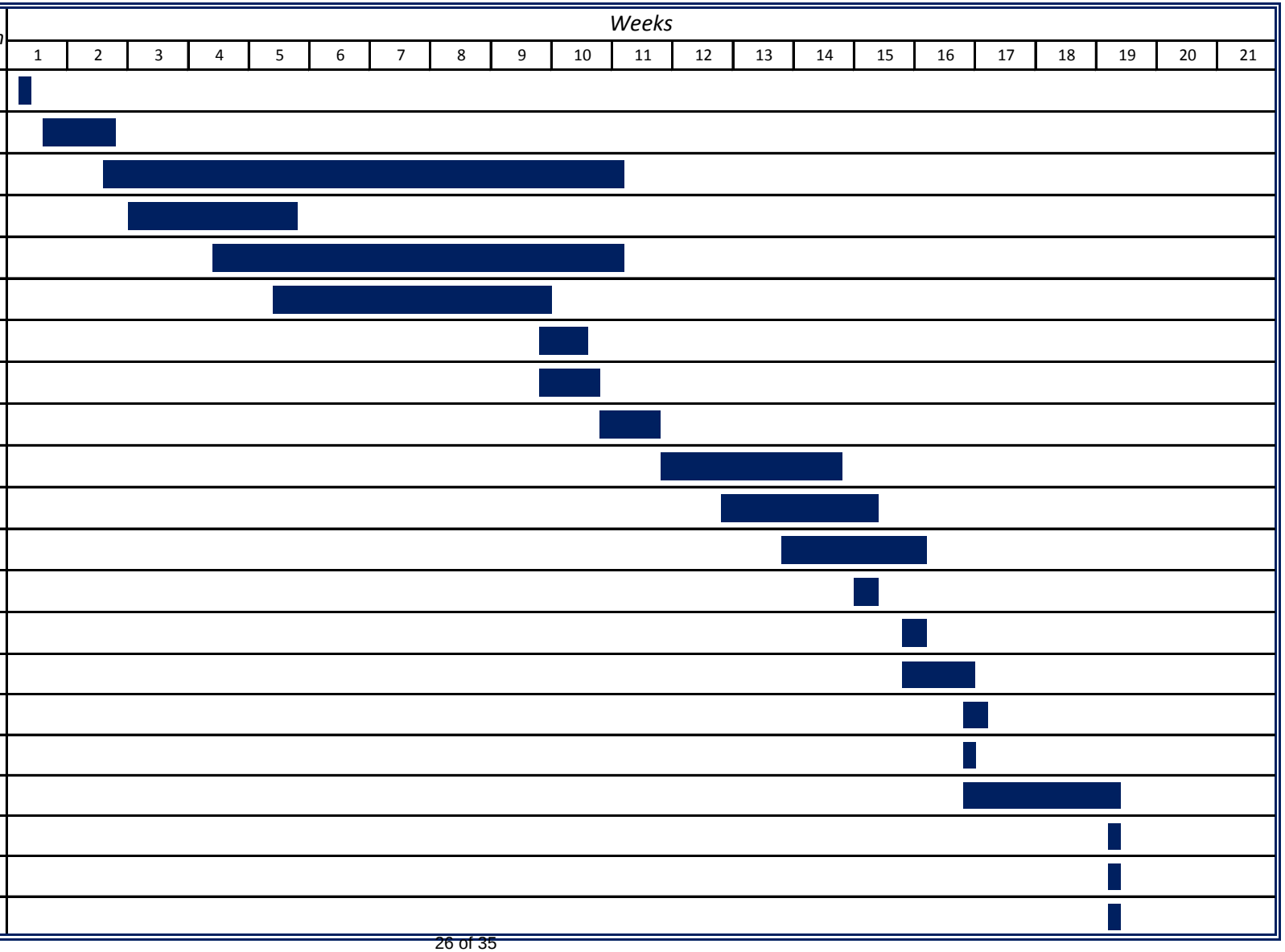
Model Assumptions							
Federal Tax	0.00%	Current Usage kWh	656,527	PPA Rate/kWh	($0.16260)
State Tax	0.00%	Year 1 Production kWh	506,318	PPA Inflation	3%
FITC	0%	Utility Rate Per kWh	$ 0.17998	kW DC system size	316.00
50% MACRS Bonus	No	Solar Offset Per kWh	$ 0.18353	Cost per kW DC	$0.00
Upfront Rebate	$ -	25 year kWh Usage	16,413,175	Rebate	0.025
Degradation	0.25%	25 year kWh production	12,285,391	EPBB Rebate kWh	0
Inflation	4.47%	Levelized cost of solar over 25 years	0.00000	PBI Rebate kWh	0
		Eligible Production	0	Buyout Cost	0.00

	UTILITY		SOLAR		REMAINING		INCENTIVES		Depr. Tax Savings		Net $	PPA	Cash Flows	
Year	Current kWh Usage	Current Cost	kWh Production	Cost Offset	Remaining Usage	Remaining Cost	Fed Tax Credit	Utility Rebate	Federal	State	Energy Savings	Payment	Total Annual Cash Flow	Cumulative Cash Flow
0								-						
1	656,527	$ 118,161.73	506,318	$ 92,924.54	150,209	$ 25,237.19	$0	$0.00	$0	$0	$ 92,924.54	($82,327)	$ 10,597.28	$10,597
2	656,527	$ 123,547.74	505,052	$ 96,835.57	151,475	$ 26,712.17		$0.00	$0	$0	$ 96,835.57	($84,585)	$ 12,250.44	$22,848
3	656,527	$ 129,174.50	503,790	$ 100,911.21	152,737	$ 28,263.29		$0.00	$0	$0	$ 100,911.21	($86,905)	$ 14,006.33	$36,854
4	656,527	$ 135,052.79	502,530	$ 105,158.39	153,997	$ 29,894.40		$0.00	$0	$0	$ 105,158.39	($89,288)	$ 15,870.14	$52,724
5	656,527	$ 141,193.83	501,274	$ 109,584.32	155,253	$ 31,609.50		$0.00	$0	$0	$ 109,584.32	($91,737)	$ 17,847.35	$70,572
6	656,527	$ 147,609.37	500,021	$ 114,196.54	156,506	$ 33,412.84			$0	$0	$ 114,196.54	($94,253)	$ 19,943.67	$90,515
7	656,527	$ 154,311.69	498,771	$ 119,002.87	157,756	$ 35,308.82				$0	$ 119,002.87	($96,838)	$ 22,165.12	$112,680
8	656,527	$ 161,313.61	497,524	$ 124,011.49	159,003	$ 37,302.12				$0	$ 124,011.49	($99,494)	$ 24,517.97	$137,198
9	656,527	$ 168,628.50	496,280	$ 129,230.92	160,247	$ 39,397.59				$0	$ 129,230.92	($102,222)	$ 27,008.78	$164,207
10	656,527	$ 176,270.38	495,039	$ 134,670.02	161,488	$ 41,600.36				$0	$ 134,670.02	($105,026)	$ 29,644.44	$193,852
11	656,527	$ 184,253.85	493,802	$ 140,338.05	162,725	$ 43,915.80				$0	$ 140,338.05	($107,906)	$ 32,432.14	$226,284
12	656,527	$ 192,594.17	492,567	$ 146,244.63	163,960	$ 46,349.55				$0	$ 146,244.63	($110,865)	$ 35,379.41	$261,663
13	656,527	$ 201,307.31	491,336	$ 152,399.81	165,191	$ 48,907.51					$ 152,399.81	($113,906)	$ 38,494.11	$300,157
14	656,527	$ 210,409.93	490,107	$ 158,814.05	166,420	$ 51,595.88					$ 158,814.05	($117,030)	$ 41,784.49	$341,942
15	656,527	$ 219,919.44	488,882	$ 165,498.25	167,645	$ 54,421.18					$ 165,498.25	($120,239)	$ 45,259.16	$387,201
16	656,527	$ 229,854.02	487,660	$ 172,463.79	168,867	$ 57,390.23					$ 172,463.79	($123,537)	$ 48,927.13	$436,128
17	656,527	$ 240,232.67	486,441	$ 179,722.49	170,086	$ 60,510.19					$ 179,722.49	($126,925)	$ 52,797.84	$488,926
18	656,527	$ 251,075.25	485,225	$ 187,286.69	171,302	$ 63,788.56					$ 187,286.69	($130,406)	$ 56,881.13	$545,807
19	656,527	$ 262,402.50	484,011	$ 195,169.26	172,516	$ 67,233.24					$ 195,169.26	($133,982)	$ 61,187.33	$606,994
20	656,527	$ 274,236.07	482,801	$ 203,383.59	173,726	$ 70,852.48					$ 203,383.59	($137,656)	$ 65,727.21	$672,721
21	656,527	$ 286,598.61	481,594	$ 211,943.65	174,933	$ 74,654.95					$ 211,943.65	($141,432)	$ 70,512.04	$743,234
22	656,527	$ 299,513.74	480,390	$ 220,863.99	176,137	$ 78,649.76					$ 220,863.99	($145,310)	$ 75,553.62	$818,787
23	656,527	$ 313,006.19	479,189	$ 230,159.77	177,338	$ 82,846.42					$ 230,159.77	($149,296)	$ 80,864.26	$899,651
24	656,527	$ 327,101.75	477,991	$ 239,846.79	178,536	$ 87,254.96					$ 239,846.79	($153,390)	$ 86,456.85	$986,108
25	656,527	$ 341,827.38	476,797	$ 249,941.52	179,730	$ 91,885.85					$ 249,941.52	($157,597)	$ 92,344.86	**$1,078,453**
26	656,527	$ 357,211.24	475,605	$ 260,461.12	180,922	$ 96,750.12					$ 260,461.12		$ 260,461.12	$1,338,914
27	656,527	$ 373,282.76	474,416	$ 271,423.48	182,111	$ 101,859.29					$ 271,423.48		$ 271,423.48	$1,610,338
28	656,527	$ 390,072.69	473,229	$ 282,847.21	183,298	$ 107,225.47					$ 282,847.21		$ 282,847.21	$1,893,185
29	656,527	$ 407,613.12	472,046	$ 294,751.76	184,481	$ 112,861.36					$ 294,751.76		$ 294,751.76	$2,187,937
30	656,527	$ 425,937.60	470,866	$ 307,157.34	185,661	$ 118,780.26					$ 307,157.34		$ 307,157.34	$2,495,094
31	656,527	$ 445,081.19	469,689	$ 320,085.06	186,838	$ 124,996.13					$ 320,085.06		$ 320,085.06	$2,815,179
32	656,527	$ 465,080.50	468,515	$ 333,556.88	188,012	$ 131,523.62					$ 333,556.88		$ 333,556.88	$3,148,736
33	656,527	$ 485,973.78	467,344	$ 347,595.71	189,183	$ 138,378.08					$ 347,595.71		$ 347,595.71	$3,496,332
34	656,527	$ 507,800.99	466,175	$ 362,225.40	190,352	$ 145,575.59					$ 362,225.40		$ 362,225.40	$3,858,557
35	656,527	$ 530,603.88	465,010	$ 377,470.83	191,517	$ 153,133.05					$ 377,470.83		$ 377,470.83	$4,236,028
36	656,527	$ 554,426.05	463,847	$ 393,357.92	192,680	$ 161,068.13					$ 393,357.92		$ 393,357.92	$4,629,386
37	656,527	$ 579,313.08	462,688	$ 409,913.67	193,839	$ 169,399.41					$ 409,913.67		$ 409,913.67	$5,039,299
38	656,527	$ 605,312.55	461,531	$ 427,166.22	194,996	$ 178,146.34					$ 427,166.22		$ 427,166.22	$5,466,466
39	656,527	$ 632,474.21	460,377	$ 445,144.89	196,150	$ 187,329.31					$ 445,144.89		$ 445,144.89	$5,911,611
40	656,527	$ 660,849.98	459,226	$ 463,880.26	197,301	$ 196,969.72					$ 463,880.26		$ 463,880.26	$6,375,491
Totals	26,261,080	12,710,631	19,295,955	9,277,640	6,965,125	3,432,991		$0	$0		$9,277,640	($2,902,149)		

Name

Preliminary PV Schedule

ID	Task Name	Duration
1	Proposal	1d
2	Proposal Review	6d
3	Contract/Finance Funding	44d
4	Design and Engineering	14d
5	PV Component Procurement	34d
6	Permit Approval	23d
7	Site Evaluation, Mobilize	4d
8	Prep Site for Soar / Layout	5d
9	Switch Gear and Site Work	5d
10	Solar Racking	15d
11	Module Installation	13d
12	Wire Up Modules	12d
13	Inverter Pad if needed	2d
14	Inverter Installation	2d
15	Pull Site Wire	6d
16	Test Fire System	2d
17	Inspections	1d
18	File PTO	13d
19	Commission All System	1d
20	Train Staff Safety Procedure	1d
21	Project compl. Turn over	1d



El Dorado Hills
Community Services District
Parks & Planning Committee

AGENDA REPORT

To: Parks and Planning Committee of the Board of Directors

From: Kevin A. Loewen, Director of Parks and Planning

Meeting Date: September 29, 2015

Report Date: September 22, 2015

Subject: **Status Summary of Current & Upcoming Projects in Queue**

CURRENT PROJECTS

	Description	Current Status	Project Completion
1	Lime Rock Specific Plan Annexation	County coordinating a meeting between annexation parties and LAFCO. Meeting was held w/Developers 6/17/15.	TBD
2	Pavilion Kitchen/Restroom/Office Space Renovation	Recreation Director & Executive Assistant offices to start on 9/28/15. Soliciting quotation for restrooms. Expect work to start early October.	12/2015
3	North Commercial LLAD Renovations	Pavers completed for phase 2 of project. Landscaping quotes have come in higher than anticipated. Staff is exploring alternative options.	12/2015
4	Custodial Service Contract Start-up	Elite Maintenance & Management Services awarded contract. Start date scheduled for October 4. 2015.	10/2015
5	Pool Shade Structures	Reviewed specifications. County does not have a design standard. Work to begin early 2016.	Early /2016

6	Duck Pond Clean Up	First pond work completed. Dredging and dirt hauling issues resolved. Coordination of remaining work is being planned for second pond.	10/2015
7	Windsor Point Park Solar Panels & Shade Structures	County approved permit application. Work scheduled to begin in October.	10/2015
8	Oak Knoll Clubhouse Improvements	Public input workshop is scheduled for today September 29th.	10/2015
9	Parks and Recreation Master Plan	Public survey and input closed. We are now in the Master plan process. Bi-weekly meetings to be held with M.I.G.	1/31/15
10	New York Creek Nature Study Corridor	A “call to all local artists” to create final designs was issued. We are also soliciting quotes for sign costs.	Ongoing
11	Wild Oaks Park Fence	Fence completed. Signage to be installed at the intersection corner on park property.	09/2015
12	Lake Forest Park Frontage Improvements	Residents were notified by mail of proposed landscape improvements. Community input will be discussed.	10/2015
13	Dixon Ranch	Pre-annexation agreement language in progress with legal counsel.	Ongoing
14	Village J5 Park Complex	Joint application submitted to County.	Ongoing
15	CC&R/DRC Operations	Committees reviewing Compliance & Design Review Guidelines prior to Board review. Legal Counsel reviewing CSD Policy 7000 – CC&R’s. One DRC appeal in process. New regulations on synthetic turf in review.	Ongoing

16	Bike Friendly Community Application	Application completed. Awaiting response.	11/2015
17	Parks Building 2nd Floor Renovation	Project pushed back in-queue to advance Pavilion remodel work. Re-scoping and developing charter for GM sign-off.	11/2015
18	Pavilion Roof	Roof completed. Ribbon Cutting Ceremony was held on September 10, 2015.	Completed
19	Pavilion Arbor	Arbor completed. Ribbon Cutting Ceremony was held on September 10, 2015.	Completed
20	Stair Renovations	Seeking contractors for this work. Work likely coordinated with other renovation projects.	10/2015

UPCOMING PROJECTS

1	RFP's for Contract Services: Building Monitoring; Pool Service	Drafts in progress. Will secure input inter-departmentally. Delayed due to hiring new Park Supervisor for Facilities.	TBD
2	Marble Valley and Lime Rock Village	Awaiting updates	TBD
3	Central El Dorado Hills – Parker Development	Awaiting updates	TBD
4	El Dorado County Sign Ordinance	County Planning Commission approved and forwarded the item to the Board of Supervisors.	TBD

EL DORADO HILLS
COMMUNITY SERVICES DISTRICT

AGENDA REPORT

To:	Board of Directors
From:	Phil Stamborsky, Park Supervisor – LLAD's and Neighborhood Parks
Prepared By:	Phil Stamborsky, Park Supervisor – LLAD's and Neighborhood Parks
Meeting Date:	September 29, 2015
Report Date:	September 24, 2015
Subject:	**Resident Concerns for Wilson Boulevard Fence – La Cresta LLAD**

Recommended Action: Discussion only

Background: Funds were allocated in FY 13/14 Deferred Maintenance Reserve Study in the amount of $39,911.00 for replacement of 1297 linear feet of replacement fence. Several residents of the LLAD had contacted the CSD in 2011 asking that the fence behind their home be replaced because of its poor condition. Several discussions were held with those residents and they were assured that fence work was to be conducted in F/Y 13/14. We also informed them of the panel style of fence that would be constructed similarly to Silva Valley LLAD, with steel 4x4 posts, 1"x10"/1"x8"board on board with 1x8 kicker panels and 2x6 rails, cap and bottom support.

In 2014, the District conducted the deferred maintenance project to replace 760 linear feet of extremely deteriorated fence on the south side of Wilson Boulevard in the amount of $31,508.00, including the following:

- $24,950.00 for demolition and construction of the new fence
- $2,813.00 for jackhammering due to rocky soil
- $3,745.00 for 1"x8" trim work and staining

El Dorado Hills Community Services District
RE: Resident Concerns for Wilson Boulevard Fence – La Cresta LLAD
September 29, 2015

Discussion: In recent months, residents of the La Cresta LLAD have contacted the District with concerns that the fence behind their homes, (on the north side of Wilson Boulevard) is in poor condition. One resident has voiced frustration expressed, "The problem is that the fences are 25 years old and falling apart. The CSD collects yearly funds for such repairs and our fences have never been repaired in the 19 years that I have lived here. The home owners of Santa Cruz Court are requesting that the CSD replace our fences." Staff has secured a proposal for the remaining 537 linear feet of fence to complete the North side of Wilson Boulevard for $21,480.00. An additional $1,700.00 would be necessary for staining. Currently the total reserve fund balance is $21,257.08.

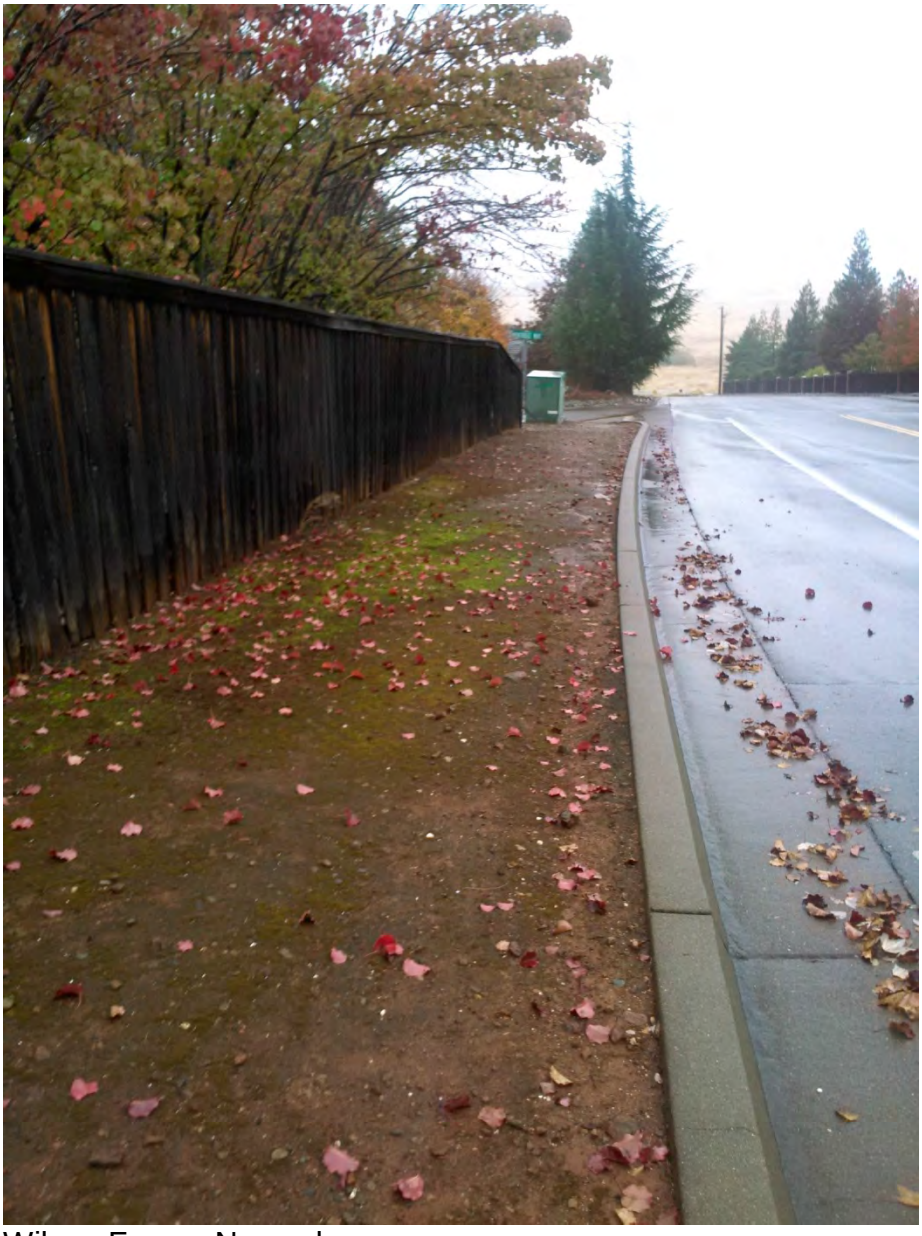
Fiscal Impact: Reserve funds for the La Cresta LLAd would be drawn to a zero balance. Deferred maintenance projects that are called for in the coming years, like Stucco repair/painting, bark replacement and sidewalk repairs would need to be differed out until there are available funds back in the differed maintenance accounts.

Attachments: Fence Photos

El Dorado Hills Community Services District
RE: Resident Concerns for Wilson Boulevard Fence – La Cresta LLAD
September 29, 2015

Silva Valley LLAD Fence

El Dorado Hills Community Services District
RE: Resident Concerns for Wilson Boulevard Fence – La Cresta LLAD
September 29, 2015



Wilson Fence, November

El Dorado Hills Community Services District
RE: Resident Concerns for Wilson Boulevard Fence – La Cresta LLAD
September 29, 2015

Newly constructed fence on Wilson Boulevard (south side)

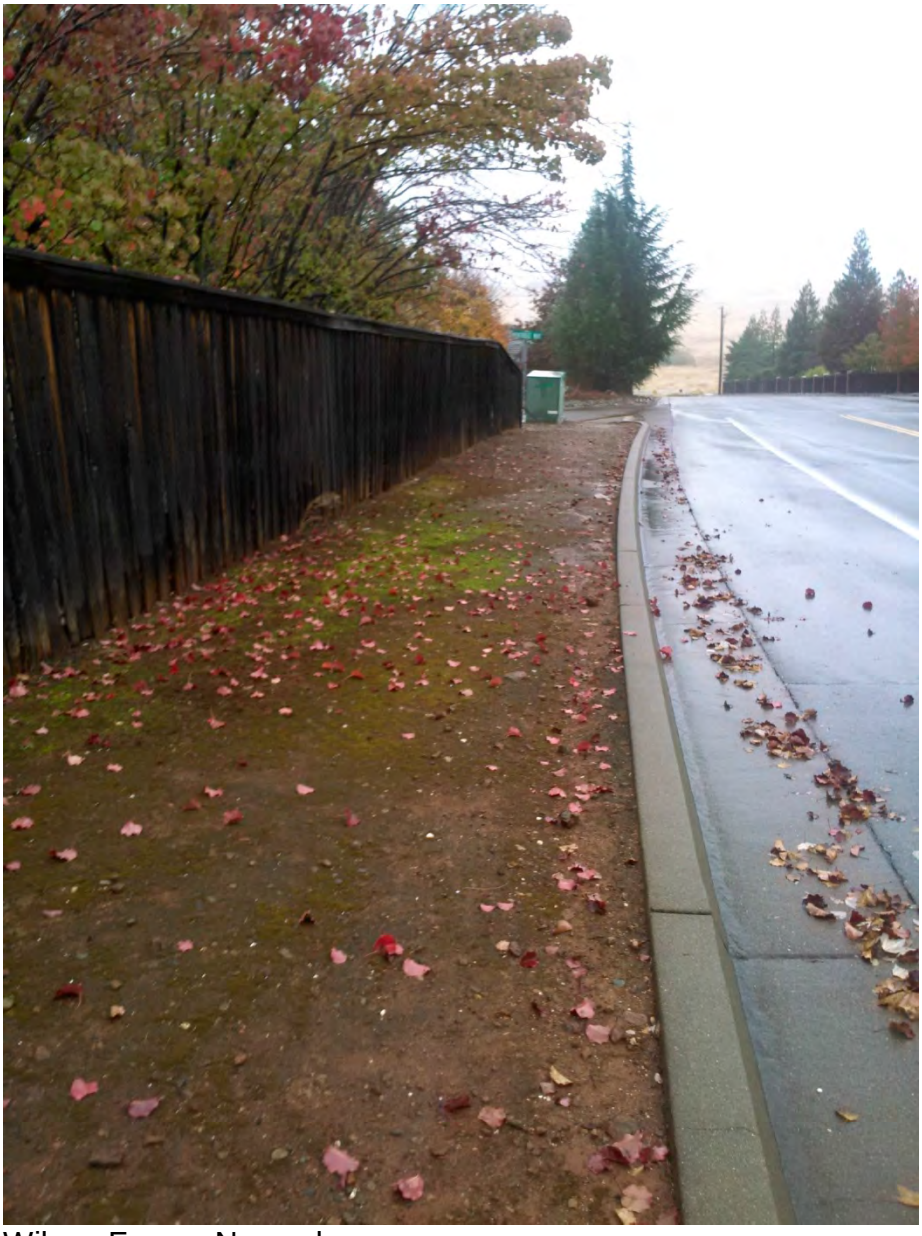
El Dorado Hills Community Services District
RE: Resident Concerns for Wilson Boulevard Fence – La Cresta LLAD
September 29, 2015

Existing fence on Wilson Boulevard (north side)

El Dorado Hills Community Services District
RE: Resident Concerns for Wilson Boulevard Fence – La Cresta LLAD
September 29, 2015

Silva Valley LLaD Fence

El Dorado Hills Community Services District
RE: Resident Concerns for Wilson Boulevard Fence – La Cresta LLAD
September 29, 2015



Wilson Fence, November

El Dorado Hills Community Services District
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