



SCE's Community Renewables Program  
provided to  
**THE CITY OF COMMERCE**  
by  
**JATON LLC**



# JATON LLC & THE SCE COMMUNITY RENEWABLES PROGRAM

- **PROPOSITION:**

- JATON proposes to enroll the City of Commerce into Southern California Edison's (SCE) Community Renewables Program, and provide 100% renewable solar energy (estimated value potentially in the millions of dollars) at ***NO ADDITIONAL COST***.

# JATON LLC & THE SCE COMMUNITY RENEWABLES PROGRAM

## INTRODUCTION

- **JATON LLC**

Formed in 2016 following the closure of Southern California Edison's (SCE) San Onofre Nuclear Power Plant, JATON's mission is to develop utility-scale solar facilities providing customers w/ 100% Renewable Solar Energy at the lowest costs possible, by utilizing SCE's Community Renewables Program.

- **JAKE BROWN & TONY PEREZ, Founding Partners**

Founding partners, Jake Brown & Tony Perez have over 60-years of collective solar & utility infrastructure development experience. They have jointly planned, designed, managed & constructed hundreds of millions of dollars worth of infrastructure facilities which are still in operation today.

# BACKGROUND

- **Californians overwhelmingly support renewable energy development**
  - Combats climate change, reduces greenhouse gas emissions, creates jobs, & preserves environment for future generations.
  - This attitude widely reported in numerous academic studies, polls, and media reports.
  - CA attitude transcends party lines (83% Republicans and 97% Democrats support solar development per Pew Research Center, “The Politics of Climate”, by Funk & Kennedy, October 4, 2016)

# BACKGROUND

- **Transition to renewables has been slow and difficult**
  - Enormous investment and revenues generated by the fossil fuel industry.
  - Reluctance of large utilities to revise their business models and relinquish hold on their monopolies.
  - Despite the strong market for renewables, majority of Californians have found access to renewable energy to be bureaucratic & cost prohibitive.

# BACKGROUND

- **Californians' options for renewable energy are limited**
  - Install rooftop solar (requires a large capital investment & long payback period)
  - Purchasing directly from Southern California Edison (SCE green rate increases generation rate by as much as 40% or more)
- ***SCE's Community Renewables Program offers limited opportunity to replace SCE generated energy w/ 100% renewable solar energy.***



# SCE COMMUNITY RENEWABLES PROGRAM

- Launched May 2016 & active through March 2019 (269MW allocated solar power).
- Program allows Solar Developers to sell solar electricity directly to SCE subscribers.
- SCE continues to transmit electricity to City of Commerce & will bill Commerce for transmission & Time of Use (infrastructure).
  - SCE provides “bill credit” to city that effectively offsets SCE’s generation costs.
  - JATON will bill city separately for renewable solar energy generation.
- SCE remains service provider: Lynwood receives same high-quality service & delivery reliability.



JATON Renewable Solar Energy Fields located in San Bernardino County

# JATON PROPOSAL

- JATON proposes to replace 26% of City's energy needs (2.075-million kWh/year) w/ 100% Green-e certified renewable solar electricity.
  - JATON will provide 100% renewable solar energy at approximately same cost currently paid to SCE.
  - Equivalent green energy purchased from SCE would cost ***over \$1.32-million in addition to City's existing bill.***
  - Equivalent solar energy generated by installation of rooftop solar would cost ***over \$5.08-million.***
- JATON proposes to provide 100% renewable solar energy ***at no additional cost.***



# CONTRACT TERMS & SCHEDULE

- JATON requires execution of a 20-year Customer Developer Agreement (CDA).
  - Term: 20-years
  - Initial rate: \$0.0528/kWh
  - Escalator: 3%/year
- JATON expects signing a 20-year Power Purchase Agreement (PPA) w/ SCE in January 2018
- Begin solar power deliveries in December 2018.

# SUMMARY

**Why should the City of Commerce enroll in SCE's Community Renewables Program, and contract w/ JATON to provide 100% renewable solar energy?**

- Receive 100% renewable solar energy at approximately the ***same or lower cost as current SCE rates***.
- Equivalent green energy purchased through SCE would cost over ***an additional \$1.32-million***.
- Equivalent energy produced by installation of rooftop solar would cost ***over \$5.08-million***.
- ***Fixed predictable rate*** provides ease of budgeting and serves as a hedge against increasing future energy costs.
- ***No out of pocket costs***.
- ***No maintenance costs***.
- SCE continues as service provider, ensuring ***same high-quality service and delivery reliability***.
- Reduce Greenhouse Gas Emissions, help California reach its statutory renewable energy targets, and ***help preserve the environment for future generations***.

- **Next Action Steps**

- The City of Commerce Staff review Customer Developer Agreement (CDA)
- Present staff report and action item to City Council to execute 20-year CDA with JATON contingent on completion of JATON's solar energy facilities.

- **Questions**

- **JATON Contacts**

- **Jake Brown**  
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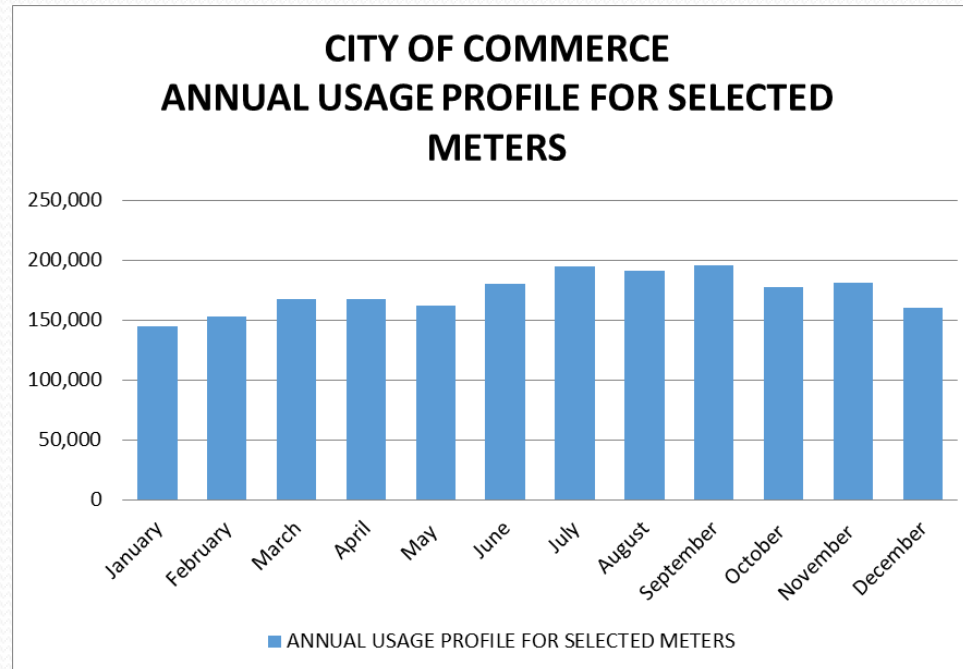
[www.jaton-llc.com](http://www.jaton-llc.com)

531 Promontory DR E  
Newport Beach CA  
92660

# The City of Commerce Community Renewable Pro forma & Base information

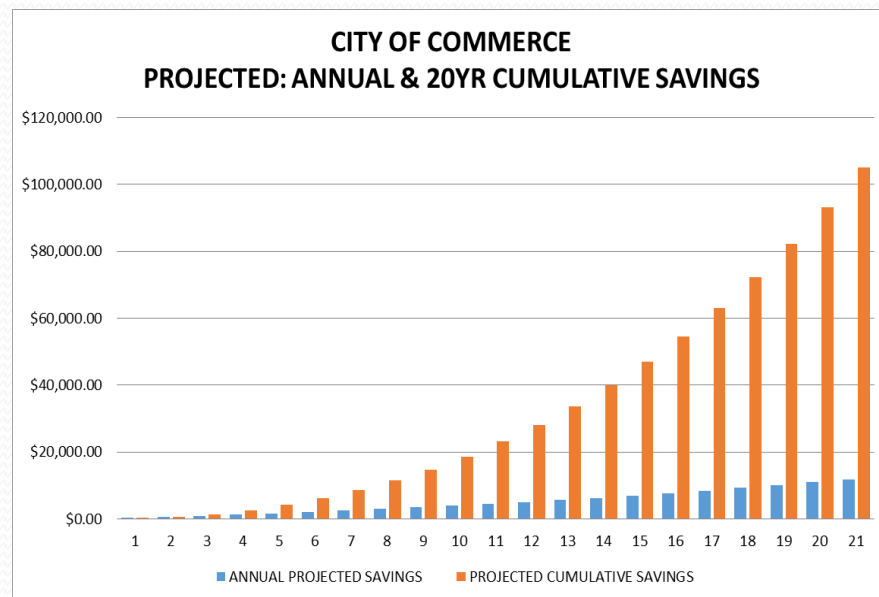
The City of Commerce Community Renewables Program  
JATON Selected Meters 2016/2017 Monthly & Annual Usage

Selected Rates	Total KWH/rate	Dec 2016	Jan 2017	Feb 2017	March 2017	April 2017	May 2017	June 2017	July 2017	Aug 2017	Sept 2017	Oct 2017	Nov 2017
TOU-GS1A	159,970	12,367	16,669	12,748	12,105	11,125	11,645	11,022	10,228	16,602	16,769	17,683	11,007
TOU-GS2A	41,073	4,622	4,018	3,764	4,027	4,103	4,857	4,917	5,483	65	65	72	5,080
TOU-GS2B	1,873,480	164,044	139,480	127,947	136,377	152,586	150,855	146,236	164,301	178,289	174,111	178,135	161,119
	<b>2,074,523</b>	181,033	160,167	144,459	152,509	167,814	167,357	162,175	180,012	194,956	190,945	195,890	177,206
	<b>TOTAL kWh</b>												



## City of Commerce Community Renewables Pro Forma

Bill Credit with 3.3% Escalator	Bill Credit	JATON RATE with 3% ESCALATOR	JATON RATE	ANNUAL PROJECTED SAVINGS	PROJECTED CUMULATIVE SAVINGS	YEARS
\$0.05282	\$109,584.16	\$0.05280	\$109,534.81	\$49.35	\$49.35	
\$0.05457	\$113,200.44	0.05438	\$112,820.86	\$379.58	\$428.93	1
\$0.05637	\$116,936.05	0.05602	\$116,205.48	\$730.57	\$1,159.50	2
\$0.05823	\$120,794.94	0.05770	\$119,691.65	\$1,103.29	\$2,262.79	3
\$0.06015	\$124,781.18	0.05943	\$123,282.40	\$1,498.78	\$3,761.57	4
\$0.06213	\$128,898.96	0.06121	\$126,980.87	\$1,918.08	\$5,679.65	5
\$0.06418	\$133,152.62	0.06305	\$130,790.30	\$2,362.32	\$8,041.98	6
\$0.06630	\$137,546.66	0.06494	\$134,714.01	\$2,832.65	\$10,874.63	7
\$0.06849	\$142,085.70	0.06689	\$138,755.43	\$3,330.27	\$14,204.90	8
\$0.07075	\$146,774.53	0.06889	\$142,918.09	\$3,856.44	\$18,061.34	9
\$0.07309	\$151,618.08	0.07096	\$147,205.63	\$4,412.45	\$22,473.79	10
\$0.07550	\$156,621.48	0.07309	\$151,621.80	\$4,999.68	\$27,473.47	11
\$0.07799	\$161,789.99	0.07528	\$156,170.45	\$5,619.54	\$33,093.01	12
\$0.08056	\$167,129.06	0.07754	\$160,855.57	\$6,273.49	\$39,366.50	13
\$0.08322	\$172,644.32	0.07986	\$165,681.23	\$6,963.08	\$46,329.59	14
\$0.08597	\$178,341.58	0.08226	\$170,651.67	\$7,689.91	\$54,019.50	15
\$0.08880	\$184,226.85	0.08473	\$175,771.22	\$8,455.63	\$62,475.13	16
\$0.09173	\$190,306.34	0.08727	\$181,044.36	\$9,261.98	\$71,737.11	17
\$0.09476	\$196,586.45	0.08989	\$186,475.69	\$10,110.76	\$81,847.87	18
\$0.09789	\$203,073.80	0.09259	\$192,069.96	\$11,003.84	\$92,851.71	19
\$0.10112	\$209,775.24	0.09536	\$197,832.06	\$11,943.18	\$104,794.89	20

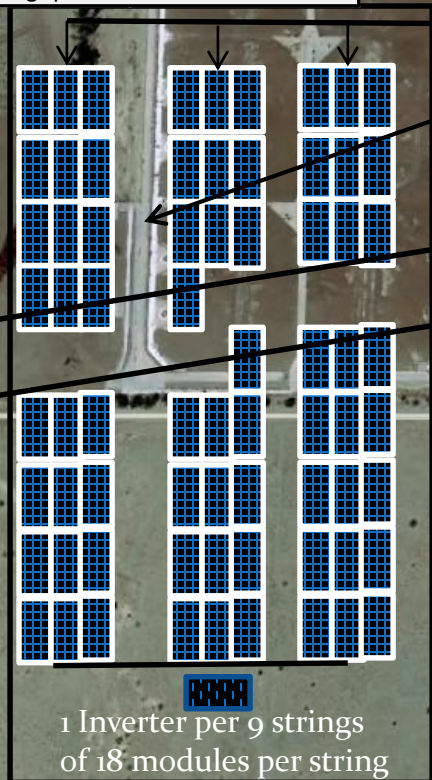


<sup>2</sup> CA Electric pricing has historically increased by 3.3% per year

<sup>2</sup> "THE FUTURE OF ELECTRICITY PRICES IN CALIFORNIA: UNDERSTANDING MARKET DRIVERS AND FORECASTING PRICES TO 2040"  
ENERGY EFFICIENCY CENTER | UNIVERSITY OF CALIFORNIA, DAVIS 1605 Tilia Street, Suite 100 Davis CA 95616 eec.ucdavis.edu



SYSTEM DESCRIPTION	
Module Type	SW 350 XL
Quantity	9720
System Size AC	3000KW
System Size DC	3402KW
Mounting	Single axis tracker
Inverter	(60)Solectria PVI 50TL
SW350XL modules per string	
Strings per inverter	
Strings per MPPT	

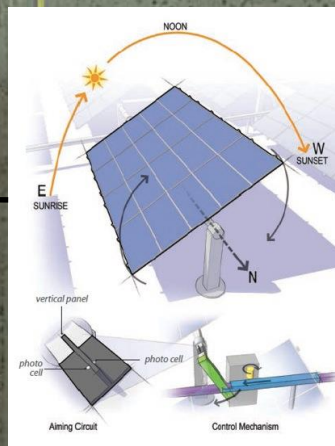


12 feet between PV strings

LOCATION of equipment pad  
Transformers & Switchgear  
34°34'18.12"N  
117°34'40.6"W

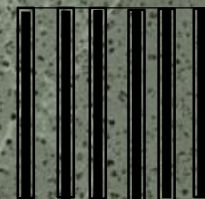
Road access point  
Sheep Creek Rd

POINT OF INTERCONNECTION  
Pole # 4183587E  
34°34'33.95 N  
117°34'41.95 W



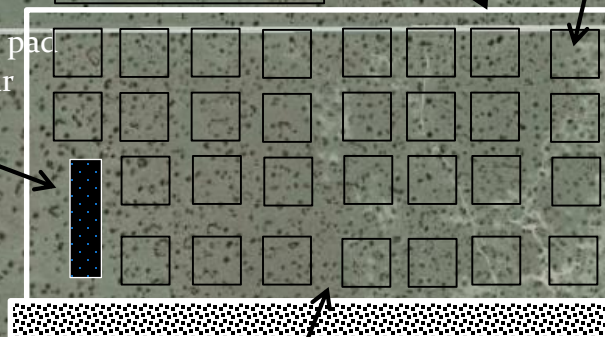
Single Axis Tracker

1 SUBPANEL =  
2 inverters  
9 strings per inverter  
18 Modules per inverter



Perimeter Fence

30 SUBPANELS



30ft between PV subpanels (all sides)  
Each Subpanel has 2 Inverters & 18 strings of 18 modules.  
1 inverter configuration is described in this description.

## PROJECT ADDRESS:

Sheep Creek Road Solar Energy Generation Facility  
799 Sheep Creek RD El Mirage CA 92301  
34 deg. 34' 12.3" N 117 deg. 34' 33.3" W

SITE PLAN DRAWING 5/23/17





SITE MAP: Sheep Creek Road Solar Energy Generation Facility  
San Bernardino County CA  
17799 Sheep Creek RD El Mirage CA 92301  
34 deg. 34' 12.3" N 117 deg. 34' 33.3" W