
June 30, 2015

ADVICE 3241-E
(U 338-E)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA
ENERGY DIVISION

SUBJECT: Establishment of New Optional Tariff Provision, Option E, Energy Efficiency - Light Emitting Diode Fixture Replacement in Schedule LS-1, and its Associated Agreement, Form 14-965, in Compliance with Assembly Bill 719 and Public Utilities Code Section 384.5

In compliance with Assembly Bill (AB) 719, Public Utilities (PU) Code Section 384.5, and Decision (D.)14-10-046 Southern California Edison Company (SCE) hereby submits for filing the following changes to its tariffs. The revised tariff sheets are listed on Attachment A and are attached hereto.

PURPOSE

The purpose of this advice filing is to establish a new optional tariff provision, Option E, Energy Efficiency - Light Emitting Diode (LED) Fixture Replacement, in Schedule LS-1, *Lighting – Street and Highway, Unmetered Service, Company-Owned System* (Schedule LS-1) in compliance with AB 719, PU Code Section 384.5, and D.14-10-046.

BACKGROUND

On October 7, 2013, AB 719 was approved by Governor Brown and chaptered into law adding Section 384.5 to the PU Codes. Section 384.5 provides in pertinent part that electrical-corporation-owned street lighting poles, whose electricity use is paid by local governments, be converted to technology that reduces electricity consumption so that a city, county, or city and county may achieve lower utility bills for the electricity used by these street lighting poles. The California Public Utilities Commission (Commission) was directed to order electrical corporations, on or before March 1, 2014, to submit, on or before July 1, 2015, a tariff to be used, at the discretion of local governments, to fund energy efficiency improvements in street lighting poles owned by the electrical corporations to ensure reduced energy consumption for local governments who are street lighting customers covered by these tariffs.

On March 3, 2014, the *Assigned Commissioner's Ruling Amending Scoping Memorandum, and Providing Guidance on Energy Savings Goals for Program Year 2015 (ACR)* ordered Pacific Gas and Electric Company (PG&E), San Diego Gas & Electric Company (SDG&E), and SCE (jointly, IOUs) to file by July 1, 2015 tariffs to comply with AB 719 and PU Code 384.5. On October 24, 2014, the Commission issued D.14-10-046,¹ which repeats the same direction as the ACR and directs the IOUs to file the tariffs to implement AB 719.

DISCUSSION

AB 719 specifically states that a new tariff should be designed to allow local governments to remit the cost of the improvement through the tariff over time, resulting in reduced energy consumption, without shifting costs to nonparticipating customers. The cost of the improvement shall be identified separately rather than included within the charge for electrical service.

To implement AB 719, SCE proposes to establish a new rate option, Option E, Energy Efficiency - Light Emitting Diode (LED) Fixture Replacement (Option E), within its existing Schedule LS-1,² to recover the costs from each eligible customer that elects to participate in the energy efficiency (EE) improvements of SCE-owned street lights. By establishing this new rate option in Schedule LS-1 instead of in a separate new tariff, SCE seeks to offer the option to all customers served under Schedule LS-1³ so that they can replace their existing street light fixtures with LED fixtures and make payments for the replacement over time.⁴

The new Option E will consist of a monthly charge that includes the existing Schedule LS-1 Base LED Charge plus the new Energy Efficiency Premium Charge (EEPC) designed to recover the life cycle costs of the replacement, which will be paid by the customer over a 20-year term. The life cycle costs include all components of SCE's revenue requirements embedded in the Real Economic Carrying Charge (RECC) methodology used in marginal cost studies as part of SCE's General Rate Case (GRC) Phase 2 filings.⁵

¹ D.14-10-046, page 20.

² At this time, only the LED street light system is considered as the qualified EE improvement by SCE. SCE may propose modifications to expand Option E should other EE technologies become available for street light systems in the future.

³ Option E is available to all customers eligible for and taking service on SCE's Schedule LS-1, including local governments and non-governmental entities that receive service under Schedule LS-1.

⁴ Option E is available to customers with decorative street lighting fixtures. However, these customers are responsible for an upfront, one-time payment of the differential cost between the energy efficient decorative street lighting fixture and an energy efficient non-decorative street lighting fixture.

⁵ The RECC methodology used in the design of the EEPC embedded in Option E for AB 719 is a 20-year, single life cycle method as opposed to the typical RECC method used in the

The RECC method allows SCE to convert capital investments into annual carrying costs. Under this approach, the present worth of the annual revenue requirements, as expressed as the total carrying cost of the asset, which may include subsequent replacements, compared to the present worth of an equivalent asset and its replacements, deferred for duration of a single year. The RECC method used in the development of Option E does not include subsequent replacement and is a single life cycle RECC method. In addition to the recovery of all costs due to the acceleration of replacements caused by the implementation of Option E, per the guidance of AB 719 SCE also proposes to recover the undepreciated book value of the existing fixtures installed on the system. The RECC component of the EEPC, ensures that the participating ratepayers pay for accelerating the replacement of the existing fixture prior to the end of its service life. The undepreciated book value ensures that participating ratepayers pay for the residual amount of book value of the existing fixture being replaced prior to the end of its service life. By including both the RECC component and the undepreciated book value in the Energy Efficiency Premium Charge, SCE ensures that there is no cost shift to non-participating customers. Table 1 below enumerates the two components by fixture wattage, the sum of which establishes the EEPC embedded in Option E over a Single Life Cycle of 20 years.

Table 1

Energy Efficiency Premium Charge based on Single Life Cycle - 20 Year							
Equivalent HPSV Wattage	50	70	100	150	200	250	400
RECC Value for accelerated replacement	\$1.32	\$1.32	\$1.36	\$1.48	\$1.76	\$1.97	\$2.79
Undepreciated Book Value	\$1.10	\$1.11	\$1.11	\$1.13	\$1.42	\$1.48	\$1.44
Energy Efficiency Premium Charge - Monthly Charge by Fixture Wattage	\$2.41	\$2.43	\$2.47	\$2.61	\$3.19	\$3.46	\$4.23

The 20-year term allows for the customer to remit the cost of the EE improvement over a time period commensurate with the average life expectancy of the LED fixtures while realizing a reduced kWh usage due to the fixture replacement. There will be no cost shifting to nonparticipating customers.

GRC street light rate design that is based on a 35-year perpetuity life cycle method. All other revenue requirement assumptions, such as cost of capital, inflation rate, tax rates etc. are consistent with the assumptions used in the GRC Phase 2 proceedings and work papers.

RELEVANCE TO SCE'S 2015 GENERAL RATE CASE PHASE 1

SCE did not include street light upgrades associated with AB 719 in its capital forecast included in Application (A.) 13-11-003, *Application of Southern California Edison Company (U338E) for Authority to, among other things, Increase its Authorized Revenues for Electric Service in 2015, and to reflect that increase in Rates (General Rate Case or GRC)*. As such, the proposed new rate provision, Option E, is designed to recover the incremental revenue requirement associated with the capital costs associated with the street light upgrades from participating customers as required by AB 719. SCE plans to include capital costs associated with street lighting upgrades under AB 719 in its 2018 GRC Phase 1.

Furthermore, in its GRC Phase 1, SCE submitted its proposed Settlement Agreement with California City-County Street Light Association (CALSLA) on February 5, 2015. The Settlement Agreement requires that SCE conduct a stakeholder process to inform the development of the AB 719 tariff. To date, SCE has conducted three AB 719 Stakeholder Meetings to discuss the development of the AB 719 tariff and other street lighting related issues. Participants in these meetings included various streetlight customer organizations, such as California City-County Streetlight Association (CALSLA), and the Coalition for Affordable Street Lights (CASL), Energy Division, and various cities and counties that have interests in street light issues. SCE received no formal comments at the stakeholder meetings.

ENERGY EFFICIENCY INCENTIVES

In addition to the requirements of AB 719 as discussed above, the bill also includes a provision that the EE improvements to street lights are eligible for rebates or incentives. Specifically, AB 719 provides that the improvements “shall be eligible for any rebate or incentives available through ratepayer-funded programs intended to increase energy efficiency.” In D.14-10-046,⁶ the Commission initially concluded that “IOU owned street lights are ineligible for EE incentives.” However, in SCE’s view, AB 719 mandates that customers who invest in LED replacements to achieve energy efficiency savings are eligible for energy efficiency incentives, and therefore SCE anticipates including LED streetlight measures in its post-2015 Energy Efficiency rolling portfolio and proposing to make such incentives available to participating customers to offset some of the cost of the EE improvements.

PROPOSED TARIFF CHANGES

SCE proposes to establish a new rate provision, Option E, Energy Efficiency - Light Emitting Diode (LED) Fixture Replacement, to Schedule LS-1 as discussed above. In addition, SCE proposes to establish Form 14-965, Schedule LS-1, Option E, Energy

⁶ D.14-10-046, page 19.

Efficiency-Light Emitting Diode (LED) Fixture Replacement Rate Agreement, for customers to enroll into Option E of Schedule LS-1. In order for SCE to prepare its billing system to accommodate the newly established Option E, SCE is proposing to establish an effective date of January 1, 2016 for these tariff changes to become available to Schedule LS-1 customers.

No cost information is required for this advice filing.

This advice filing will not increase any rate or charge, cause the withdrawal of service, or conflict with any other schedule or rule.

TIER DESIGNATION

Pursuant to General Order (GO) 96-B, Energy Industry Rule 5.2, this advice letter is submitted with a Tier 2 designation.

EFFECTIVE DATE

This advice filing will become effective on July 30, 2015, the 30th calendar day after the date filed.

NOTICE

Anyone wishing to protest this advice filing may do so by letter via U.S. Mail, facsimile, or electronically, any of which must be received no later than 20 days after the date of this advice filing. Protests should be submitted to:

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, California 94102
E-mail: EDTariffUnit@cpuc.ca.gov

Copies should also be mailed to the attention of the Director, Energy Division, Room 4004 (same address above).

In addition, protests and all other correspondence regarding this advice letter should also be sent by letter and transmitted via facsimile or electronically to the attention of:

Russell G. Worden
Managing Director, State Regulatory Operations
Southern California Edison Company
8631 Rush Street
Rosemead, California 91770
Facsimile: (626) 302-4829
E-mail: AdviceTariffManager@sce.com

Michael R. Hoover
Director, State Regulatory Affairs
c/o Karyn Gansecki
Southern California Edison Company
601 Van Ness Avenue, Suite 2030
San Francisco, California 94102
Facsimile: (415) 929-5544
E-mail: Karyn.Gansecki@sce.com

There are no restrictions on who may file a protest, but the protest shall set forth specifically the grounds upon which it is based and must be received by the deadline shown above.

In accordance with General Rule 4 of GO 96-B, SCE is serving copies of this advice filing to the interested parties shown on the attached GO 96-B, A.14-06-014 and R.13-11-005 service lists. In addition, cities and counties within SCE's service territory are also being served. Address change requests to the GO 96-B service list should be directed by electronic mail to AdviceTariffManager@sce.com or at (626) 302-3719. For changes to all other service lists, please contact the Commission's Process Office at (415) 703-2021 or by electronic mail at Process_Office@cpuc.ca.gov.

Further, in accordance with Public Utilities Code Section 491, notice to the public is hereby given by filing and keeping the advice filing at SCE's corporate headquarters. To view other SCE advice letters filed with the Commission, log on to SCE's web site at <https://www.sce.com/wps/portal/home/regulatory/advice-letters>.

For questions, please contact Amy Liu at (626) 302-4019 or by electronic mail at Amy.Liu@sce.com

Southern California Edison Company

/s/ Russell G. Worden
Russell G. Worden

RGW:al:cm
Enclosures

CALIFORNIA PUBLIC UTILITIES COMMISSION

ADVICE LETTER FILING SUMMARY ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.: Southern California Edison Company (U 338-E)

Utility type:

ELC GAS
 PLC HEAT WATER

Contact Person: Darrah Morgan

Phone #: (626) 302-2086

E-mail: Darrah.Morgan@sce.com

E-mail Disposition Notice to: AdviceTariffManager@sce.com

EXPLANATION OF UTILITY TYPE

ELC = Electric GAS = Gas
 PLC = Pipeline HEAT = Heat WATER = Water

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: 3241-E

Tier Designation: 2

Subject of AL: Establishment of New Optional Tariff Provision, Option E, Energy Efficiency - Light Emitting Diode Fixture Replacement in Schedule LS-1, and its Associated Agreement, Form 14-965, in Compliance with Assembly Bill 719 and Public Utilities Code Section 384.5

Keywords (choose from CPUC listing): Compliance, Energy Efficiency, Street Lights

AL filing type: Monthly Quarterly Annual One-Time Other

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #:

D.14-10-046

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: _____

Summarize differences between the AL and the prior withdrawn or rejected AL: _____

Confidential treatment requested? Yes No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement.

Name and contact information to request nondisclosure agreement/access to confidential information:

Resolution Required? Yes No

Requested effective date: 07/30/15 No. of tariff sheets: -7-

Estimated system annual revenue effect: (%): _____

Estimated system average rate effect (%): _____

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: Schedule LS-1, Form 14-965 and Table of Contents

Service affected and changes proposed¹: _____

Pending advice letters that revise the same tariff sheets: N/A

¹ Discuss in AL if more space is needed.

Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this filing, unless otherwise authorized by the Commission, and shall be sent to:

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, California 94102
E-mail: EDTariffUnit@cpuc.ca.gov

Russell G. Worden
Managing Director, State Regulatory Operations
Southern California Edison Company
8631 Rush Street
Rosemead, California 91770
Facsimile: (626) 302-4829
E-mail: AdviceTariffManager@sce.com

Michael R. Hoover
Director, State Regulatory Affairs
c/o Karyn Gansecki
Southern California Edison Company
601 Van Ness Avenue, Suite 2030
San Francisco, California 94102
Facsimile: (415) 929-5544
E-mail: Karyn.Gansecki@sce.com

Cal. P.U.C. Sheet No.	Title of Sheet	Cancelling Cal. P.U.C. Sheet No.
Revised 57071-E Revised 57072-E Original 57073-E	Schedule LS-1 Schedule LS-1 Schedule LS-1	Revised 56878-E Revised 56879-E
Original 57074-E	Form 14-965	
Revised 57075-E Revised 57076-E Revised 57077-E	Table of Contents Table of Contents Table of Contents	Revised 56947-E Revised 56948-E Revised 56666-E



Schedule LS-1
LIGHTING - STREET AND HIGHWAY - UNMETERED SERVICE
COMPANY-OWNED SYSTEM

Sheet 1

APPLICABILITY

Applicable to service for the lighting of streets, highways, and publicly-owned and publicly-operated automobile parking lots that are open to the general public where SCE owns and maintains the street lighting equipment and associated facilities included under this Schedule. (T)

Option E:

Beginning January 1, 2016, Option E, Energy Efficiency - Light Emitting Diode (LED) Fixture Replacement, is available to customers that elect to have SCE replace its existing street lighting fixtures serving customer load under this Schedule with LED street lighting fixtures to achieve energy efficiency benefits for the customer. See Special Condition 14. (N)

TERRITORY

Within the entire territory served.

RATES

	Delivery Service								Generation ^o	
	Trans ^o	Distrib ^o	NSGC ^o	NDC ^o	PPPC ^o	DWRBC ^o	PUCRF ^o	Total ^o	UG ^{***}	DWREC ^o
Energy Charge* - \$/kWh/Lamp/Month										
All Night Service	0.00580 (l)	0.00891	0.00381	0.00028	0.00678	0.00526	0.00024	0.03108 (l)	0.05079	(0.00172)
Midnight Service	0.00580 (l)	0.00891	0.00381	0.00028	0.00678	0.00526	0.00024	0.03108 (l)	0.05079	(0.00172)
All Night/Midnight Service Charge										
Incandescent Lamps** - \$/Lamp/Month										
103 Watt		9.53						9.53		
202 Watt		9.48						9.48		
327 Watt		9.48						9.48		
Mercury Vapor Lamps** - \$/Lamp/Month										
100 Watt		8.87						8.87		
175 Watt		8.81						8.81		
250 Watt		9.29						9.29		
400 Watt		9.75						9.75		
700 Watt		9.68						9.68		
High Pressure Sodium Vapor Lamps - \$/Lamp/Month										
50 Watt		8.87						8.87		
70 Watt		8.81						8.81		
100 Watt		8.81						8.81		
150 Watt		9.31						9.31		
200 Watt		9.75						9.75		
250 Watt		9.61						9.61		
310 Watt		9.80						9.80		
400 Watt		9.68						9.68		

(Continued)

(To be inserted by utility)
 Advice 3241-E
 Decision _____

Issued by
R.O. Nichols
 Senior Vice President

(To be inserted by Cal. PUC)
 Date Filed Jun 30, 2015
 Effective _____
 Resolution _____



Schedule LS-1
LIGHTING - STREET AND HIGHWAY - UNMETERED SERVICE
COMPANY-OWNED SYSTEM
(Continued)

Sheet 2

RATES (Continued)

	Delivery Service							Generation		
	Trans ¹	Distrbtn ²	NSGC ³	NDC ⁴	PPPC ⁵	DWRBC ⁶	PUCRF ⁷	Total ⁸	UG ⁹	DWREC ¹⁰
Low Pressure Sodium Vapor Lamps - \$/Lamp/Month										
35 Watt		11.39						11.39		
55 Watt		11.39						11.39		
90 Watt		11.92						11.92		
135 Watt		11.80						11.80		
180 Watt		12.36						12.36		
Metal Halide Lamps - \$/Lamp/Month										
70 Watt		0.00						0.00		
100 Watt		9.59						9.59		
150 Watt		9.40						9.40		
175 Watt		10.00						10.00		
250 Watt		10.17						10.17		
Base LED Charge ¹¹										
Light Emitting Diode (LED) Lamps - \$/Lamp/Month (High Pressure Sodium Vapor Recommended Lamps)										(N)
50 Watt		9.43						9.43		
70 Watt		9.61						9.61		
100 Watt		9.75						9.75		
150 Watt		10.44						10.44		
200 Watt		11.30						11.30		
250 Watt		12.93						12.93		
400 Watt		13.75						13.75		
Option E - Light Emitting Diode (LED) Lamps - \$/Lamp/Month ¹² (High Pressure Sodium Vapor Recommended Lamps)										(N)
50 Watt		11.84						11.84		
70 Watt		12.04						12.04		
100 Watt		12.22						12.22		
150 Watt		13.05						13.05		
200 Watt		14.49						14.49		
250 Watt		16.39						16.39		
400 Watt		17.98						17.98		(N)
Tap Device Annual Charge - \$/Device		14.13						14.13		

* The kilowatthours used to determine the Energy Charge for the lamp types and sizes served under this Schedule are shown in the Special Conditions section, below.

** Closed to new installations.

*** The ongoing Competition Transition Charge (CTC) of \$0.00000 per kWh is recovered in the URG component of Generation.

1 Trans = Transmission and the Transmission Owners Tariff Charge Adjustments (TOTCA) which are FERC approved. The TOTCA represents the Transmission Revenue Balancing Account Adjustment (TRBAA) of \$(0.00011) per kWh, Reliability Services Balancing Account Adjustment (RSBAA) of \$(0.00048) per kWh, and Transmission Access Charge Balancing Account Adjustment (TACBAA) of \$0.00127 per kWh.

2 Distrbtn = Distribution

3 NSGC = New System Generation Charge

4 NDC = Nuclear Decommissioning Charge

5 PPPC = Public Purpose Programs Charge (includes California Alternate Rates for Energy Surcharge where applicable.)

6 DWRBC = Department of Water Resources (DWR) Bond Charge. The DWR Bond Charge is not applicable to exempt Bundled Service and Direct Access Customers, as defined in and pursuant to D.02-10-063, D.02-02-051, and D.02-12-082.

7 PUCRF = The PUC Reimbursement Fee is described in Schedule RF-E.

8 Total = Total Delivery Service rates are applicable to Bundled Service, Direct Access (DA) and Community Choice Aggregation Service (CCA Service) Customers, except DA and CCA Service Customers are not subject to the DWRBC rate component of this Schedule but instead pay the DWRBC as provided by Schedule DA-CRS or Schedule CCA-CRS.

9 Generation = The Generation rates are applicable only to Bundled Service Customers.

10 DWREC = Department of Water Resources (DWR) Energy Credit – For more information on the DWR Energy Credit, see the Billing Calculation Special Condition of this Schedule.

11 Base LED Charge lists the charges applicable to customers with LED fixtures installed upon a lump sum payment(s).

12 Option E is the sum of the monthly Energy Efficiency Premium Charge and the Base LED Charge by fixture wattage.

Energy Efficiency Premium Charges (EPCC) by fixture wattage:

50 Watt / \$2.41, 70 Watt / \$2.43, 100 Watt / \$2.47, 150 Watt / \$2.61, 200 Watt / \$3.19, 250 Watt / \$3.46 and 400 Watt / \$4.23

(Continued)

(To be inserted by utility)

Advice 3241-E

Decision _____

Issued by

R.O. Nichols

Senior Vice President

(To be inserted by Cal. PUC)

Date Filed Jun 30, 2015

Effective _____

Resolution _____



Schedule LS-1
LIGHTING - STREET AND HIGHWAY
COMPANY-OWNED SYSTEM

Sheet 14

(Continued)

SPECIAL CONDITIONS (Continued)

14. Option E: Option E, Energy Efficiency - Light Emitting Diode (LED) Fixture Replacement

Customers electing to have SCE replace its existing street lighting fixtures with LED street lighting fixtures to achieve energy efficiency benefits for the customer may elect this Option instead of the Base LED lamp charge, which applies to customers that elect an upfront lump sum payment for LED fixture replacement costs. Customers with decorative street lighting fixtures may also elect to be served under this Option; however an up-front one-time payment of the differential cost between the decorative light fixture and a non-decorative light fixture is required.

Customers electing this Option are subject to the monthly rates in Option E in the RATES section, which include an Energy Efficiency Premium Charge (EEPC) and a Base LED Charge.

Customers must sign Form 14-965, Schedule LS-1 Option E, Energy Efficiency-LED Fixture Replacement Rate Agreement (Agreement) to qualify for this Option and will be subject to a term of 20 years (Term). At the end of the Term, the customer will be moved from Option E to the Base LED Charge of this Schedule. The customer may terminate the Agreement at any time within the Term upon a 30-day advance written notice, provided that the customer, prior to or within the 30-day notice period, assigns the Agreement to any New Party In (NPI) that owns, rents or leases the premises with the street lighting fixtures replaced under this Option and will take service under Option E of this Schedule effective as of the date of termination; otherwise, the customer shall pay a one-time termination charge equal to the balance of the EEPC of Option E over the remaining Term. The NPI will pay the Option E monthly charges for the remaining Term pursuant to the terms and conditions of Form 14-965 and Option E of this Schedule.

(Continued)

(To be inserted by utility)

Advice 3241-E

Decision _____

14D31

Issued by

R.O. Nichols

Senior Vice President

(To be inserted by Cal. PUC)

Date Filed Jun 30, 2015

Effective _____

Resolution _____



Southern California Edison
Rosemead, California (U 338-E)

Original
Cancelling

Cal. PUC Sheet No. 57074-E
Cal. PUC Sheet No.

Sheet 1

SCHEDULE LS-1 OPTION E,
ENERGY EFFICIENCY-LIGHT EMITTING DIODE (LED) FIXTURE REPLACEMENT
RATE AGREEMENT

Form 14-965

(To be inserted by utility)

Advice 3241-E

Decision _____

Issued by

R.O. Nichols

Senior Vice President

(To be inserted by Cal. PUC)

Date Filed Jun 30, 2015

Effective _____

Resolution _____

SOUTHERN CALIFORNIA EDISON COMPANY
SCHEDULE LS-1 OPTION E, ENERGY EFFICIENCY-LIGHT EMITTING DIODE (LED)
FIXTURE REPLACEMENT RATE AGREEMENT

This Schedule LS-1 Option E, Energy Efficiency-Light Emitting Diode (LED) Fixture Replacement Rate Agreement (Agreement), effective this _____ day of _____, _____ (Effective Date), is entered into between Southern California Edison Company (SCE) and _____, an SCE customer taking service on Schedule LS-1 (Applicant), referred to collectively as "Parties," and individually as "Party." This Agreement provides for SCE, at Applicant's request, to replace the existing street lighting fixtures serving Applicant's premises with Light Emitting Diode (LED) street lighting fixtures to achieve energy efficiency benefits for Applicant, as set forth in Special Condition 14, Option E, Energy Efficiency-Light Emitting Diode (LED) Fixture Replacement, of Schedule LS-1.

The Parties agree as follows:

1. LED FIXTURES

SCE shall install, own, operate, and maintain LED Fixtures for Applicant as set forth in Exhibit "A" attached hereto and incorporated herein by this reference. The LED Fixtures provided hereunder shall at all times remain the property of SCE.

2. LED FIXTURE REPLACEMENT COSTS

- 2.1 The replacement costs of the LED Fixtures provided hereunder shall be borne by Applicant.
- 2.2 Applicant shall pay the charge for the LED Fixtures Replacement rate, which includes an Energy Efficiency Premium Charge (EEPC) and a Base LED Charge, under Option E of Schedule LS-1. Applicant elects Option E in lieu of an upfront, one-time payment of the replacement costs.
- 2.3 SCE does not guarantee that any energy or bill savings will accrue to Applicant as a result of the LED Fixture replacements.

3. COMMENCEMENT OF SERVICE

The Parties agree that SCE has the right to charge Applicant, and Applicant has an obligation to pay SCE, for the charges set forth in Schedule LS-1, Option E, commencing on the date SCE begins serving the LED Fixtures installed pursuant to this Agreement.

4. TERM AND TERMINATION

- 4.1 This Agreement shall be effective as of the Effective Date and shall continue for a term of twenty (20) years from the commencement of service as specified in Section 3 above (Term).
- 4.2 Applicant may terminate this Agreement at any time during the Term upon a thirty (30) - day advance written notice, provided that Applicant, prior to or within the 30-day advance notice period, assigns the Agreement to any New Party In (NPI) that owns, rents or leases the premises served by the street lighting fixtures replaced under this Agreement and will take service under Option E of Schedule LS-1 effective as of the date of termination; *otherwise*, Applicant shall pay a one-time termination charge equal to the present value of the balance of the EEPC of Option E over the remaining Term. The present value is determined based on SCE's authorized rate of return on rate base, or discounted rate of 7.90%.

**SOUTHERN CALIFORNIA EDISON COMPANY
SCHEDULE LS-1 OPTION E, ENERGY EFFICIENCY-LIGHT EMITTING DIODE (LED)
FIXTURE REPLACEMENT RATE AGREEMENT**

5. AMENDMENTS; ASSIGNMENTS

- 5.1 Any changes or amendments to this Agreement must be in writing and must be executed by the Applicant and SCE and, if required, be approved by the California Public Utilities Commission (Commission).
- 5.2 Applicant shall not assign this Agreement without the prior written consent of SCE; provided, however, that Applicant may assign the Agreement pursuant to the terms and conditions of Section 4.2 above, and the NPI must assume all rights and obligations under this Agreement for the remaining Term. Any assignment and assumption shall be in a form acceptable to SCE.

6. NOTICE

Any notice either Applicant or SCE may wish to provide the other regarding this Agreement must be in writing. Such notice must be either hand-delivered or sent by U.S. certified or registered mail, postage prepaid, to the person designated to receive notice for the other Party below, or to such other address as either may designate by written notice. Notices delivered by hand shall be deemed effective when delivered. Notices delivered by mail shall be deemed effective when received, as acknowledged by the receipt of the certified or registered mailing.

Applicant:

SCE:

(Name)

(Title)

(Address)

(City, State, Zip)

Business Customer Division
Southern California Edison Company
2244 Walnut Grove Avenue
Rosemead, CA 91770

7. NONWAIVER

The failure of either Party to enforce any of the terms and conditions or to exercise any right or privilege in this Agreement shall not be construed as a waiver of any such term and conditions or rights or privileges, and the same shall continue and remain enforce and effect as if no such failure to enforce or exercise had occurred.

8. SEVERABILITY

In the event that any of the provisions, or portions thereof, of this Agreement are held to be unenforceable or invalid by the Commission, or any court of competent jurisdiction, the validity and enforceability of the remaining provisions or any portion thereof shall not be affected.

9. APPLICABLE LAWS, RULES, AND REGULATIONS

This Agreement shall be subject to, and interpreted under the laws, rules, decisions and regulations of the State of California, without regard to its conflict of laws principles, the Commission, and SCE's Commission-approved tariffs.

**SOUTHERN CALIFORNIA EDISON COMPANY
SCHEDULE LS-1 OPTION E, ENERGY EFFICIENCY-LIGHT EMITTING DIODE (LED)
FIXTURE REPLACEMENT RATE AGREEMENT**

10. CALIFORNIA PUBLIC UTILITIES COMMISSION JURISDICTION

- 10.1 This is a filed form tariff agreement authorized by the Commission for use by SCE. No officer, inspector, solicitor, agent or employee of SCE has any authority to waive, alter, or amend any part of this Agreement except as provided herein or authorized by the Commission. This Agreement is to be used in conjunction with Schedule LS-1 and supplements the terms and conditions of the Applicant's electric service under Schedule LS-1.
- 10.2 This Agreement shall at all times be subject to such changes or modifications by the Commission as said Commission may, from time to time, direct in the exercise of its jurisdiction.
- 10.3 Notwithstanding any other provisions of this Agreement, SCE has the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for change in rates, charges, classification, service, or rule or any agreement relating thereto.

11. ENTIRE AGREEMENT

This Agreement, including SCE's Commission-approved tariffs, constitutes the complete agreement and understanding between the Applicant and SCE regarding the LED Fixtures replacement costs. Prior agreements, representations, understandings, whether expressed or implied, and communications, oral or written, between the Applicant and SCE shall not be construed to be a part of this Agreement.

12. AUTHORIZATION SIGNATURE

In witness whereof, the Parties hereto have caused this Agreement to be signed by their duly authorized representatives.

APPLICANT

BY: _____
NAME: _____
TITLE: _____
DATE SIGNED: _____

SOUTHERN CALIFORNIA EDISON COMPANY

BY: _____
NAME: _____
TITLE: _____
DATE SIGNED: _____

**SOUTHERN CALIFORNIA EDISON COMPANY
EXHIBIT "A"
SCHEDULE LS-1 OPTION E,
ENERGY EFFICIENCY-LIGHT EMITTING DIODE (LED) FIXTURE REPLACEMENT**

APPLICANT

CUSTOMER ACCOUNT NO.

SERVICE ACCOUNT NO.

(Additional account numbers/addresses may be attached hereto.)

SERVICE ADDRESS

APPLICANT REQUESTED READY TO SERVE DATE

SCE READY TO SERVE DATE _____

DESCRIPTION OF **LED** FIXTURES/SCOPE OF WORK: SPECIFY HOW MANY STREET LIGHTING
FIXTURE REPLACEMENTS ARE BEING REQUESTED AND AGREED TO UNDER THIS
AGREEMENT AND OTHER RELEVANT DETAILS.

W.O. No(s): _____



TABLE OF CONTENTS

Sheet 1

Cal. P.U.C.
Sheet No.

TITLE PAGE 11431-E

TABLE OF CONTENTS - RATE SCHEDULES57075-56375-56413-56888-56889-56890-57076-E (T)
.....56382-56892-E

TABLE OF CONTENTS - LIST OF CONTRACTS AND DEVIATIONS 56892-E

TABLE OF CONTENTS - RULES 56105-E

TABLE OF CONTENTS-INDEX OF COMMUNITIES, MAPS, BOUNDARY DESCRIPTIONS 53919-E

TABLE OF CONTENTS - SAMPLE FORMS..53919-57077-55739-56622-56541-54065-E (T)
.....56106-56542-56543-E

PRELIMINARY STATEMENT:

A. Territory Served 22909-E

B. Description of Service 22909-E

C. Procedure to Obtain Service 22909-E

D. Establishment of Credit and Deposits 22909-E

E. General 45178-45179-45180-53818-45182-E

F. Symbols 45182-E

G. Gross Revenue Sharing Mechanism.....26584-26585-26586-26587-27195-27196-54092-E
..... 51717-53819-27200-27201-E

H. Baseline Service 52027-52028-52029-52030-52031-E

I. Not In Use -E

J. Not In Use -E

K. Nuclear Decommissioning Adjustment Mechanism 36582-47710-E

L. Purchase Agreement Administrative Costs Balancing Account.....55207-51922-55208-E

M. Income Tax Component of Contributions 56077-27632-E

N. Memorandum Accounts....21344-56089-56393-55886-49492-56090-45585-45586-53821-E
..... 50418-42841-42842-44948-44949-44950-44951-44952-44953-42849-42850-42851-E
..... 41717-47876-55623-42855-42856-44341-45252-52033-50419-55048-42862-42863-E
..... 42864-53822-53823-51235-45920-51236-42870-50209-42872-42873-50421-46539-E
..... 42876-42877-42878-42879-42880-42881-42882-54534-53371-56253-44959-42887-E
..... 53321-53322-47098-52551-52552-49928-56235-56236-56237-55144-55145-44029-E
..... 53016-51242-51243-51163-51164-51165-51166-51167-51168-51169-51170-51171-E
.....51244-55806-56393-56394-56395-56396-56397-56398-56399-E

O. California Alternate Rates for Energy (CARE) Adjustment Clause 34705-41902-E
..... 36472-38847-56788-56789-E

P. Optional Pricing Adjustment Clause (OPAC) 27670-27671-27673-27674-E

(Continued)

(To be inserted by utility)
Advice 3241-E
Decision _____

Issued by
R.O. Nichols
Senior Vice President

(To be inserted by Cal. PUC)
Date Filed Jun 30, 2015
Effective _____
Resolution _____



TABLE OF CONTENTS

Sheet 7

(Continued)
 RATE SCHEDULES
 (Continued)

Schedule No.	Title of Sheet	Cal. P.U.C. No.
-----------------	----------------	--------------------

AGRICULTURAL/PUMPING (Continued)

TOU-PA-2	Time-of-Use, Agricultural and Pumping – Small to Medium.....	54246-56860-E 56861-56862-56863-52323-52324-53876-52326-52327-52328-54251-54704-E54253-54254-54255-E
TOU-PA-2-RTP	Agricultural and Pumping – Small to Medium – Real Time Pricing	54256-56864-E56343-52337-52338-54259-54260-54261-54262-54263-54264-E
TOU-PA-2-SOP	Agricultural and Pumping – Small to Medium – Super Off-Peak....	54265-56865-E 56866-52348-52349-52350-52351-54268-54269-54270-54271-54272-54273-E
TOU-PA-3	Agricultural and Pumping – Large	52358-56867-56868-56869-56870-52363-E52364-53877-55657-52367-52368-52369-52370-52371-52372-52373-E
TOU-PA-3-RTP	Agricultural and Pumping – Large – Real Time Pricing.....	52374-56871-56351-E52377-52378-52379-52380-52381-52382-52383-52384-52385-E
TOU-PA-3-SOP	Agricultural and Pumping – Large – Super Off-Peak	52386-56872-56873-E52389-52390-52391-52392-52393-52394-52395-52396-52397-52398-E
TOU-PA-ICE	Time-of Use, Agricultural and Pumping Internal Combustion	52401-56874-48620-38876-E Engine Conversion Program 51799-49426-38879-47432-38881-38882-47433-E

STREET & AREA LIGHTING/TRAFFIC CONTROL

AL-2	Outdoor Area Lighting Service - Metered	56944-56945-56946-E	
DWL	Residential Walkway Lighting	56876-56877-35119-35120-35121-49434-E	
LS-1	Lighting - Street and Highway (Company-owned System)	57501-57502-E	(T)
	... 48931-48625-48626-51704-52412-55658-52414-52415-52416-52417-52418-E 57503-E	(N)
LS-2	Lighting - Street and Highway (Customer-owned Installation) - Unmetered Service	56880-54645-56340-53502-41547-41548-41549-41550-48932-48631-48632-E	
 48633-45427-51812-49442-E		
LS-3	Lighting - Street and Highway (Customer-owned Installation) - Metered Service 56881-35144-51814-49444-E	
OL-1	Outdoor Area Lighting Service	56882-48635-48636-51816-E	
TC-1	Traffic Control Service	56883-49448-E	

(Continued)

(To be inserted by utility)
 Advice 3241-E
 Decision _____

Issued by
R.O. Nichols
 Senior Vice President

(To be inserted by Cal. PUC)
 Date Filed Jun 30, 2015
 Effective _____
 Resolution _____



TABLE OF CONTENTS

Sheet 12

(Continued)
 SAMPLE FORMS
 (Continued)

<u>Form No.</u>	<u>Applications and Agreements for Service</u>	<u>Cal. P.U.C. Sheet No.</u>
14-642	Environmental Pricing Credit Agreement.....	24151-E
14-654	Multifamily Affordable Solar Housing – Virtual Net Metering Allocation Request Form	55701-E
14-685	Agreement For Parking Lot Lighting Service SCE Owned System Schedule LS-1 .	27760-E
14-687	Application And Contract For Electric Service For Schedule WTR	55520-E
14-697	Proposal to Purchase and Agreement for Transfer of Ownership of Distribution Systems....	27761-E
14-749	Customer Physical Assurance Agreement	53906-E
14-752	Technical Assistance Incentive Application	35208-E
14-763	Agricultural Water Pumping Conversion of Internal Combustion Engines to Electric Motors Distribution Line and/or Service Extension Exceptional Case Agreement	38884-E
14-764	WI-FI Agreement For Unmetered Electric Service	43042-E
14-774	Bill Calculation Service Agreement.....	50474-E
14-778	On-Bill Financing Program Loan Agreement.....	51364-E
14-900-I	Interim Economic Development Rate-Attraction Agreement (post D.10-06-015).....	55472-E
14-901-I	Interim Economic Development Rate-Expansion Agreement (post D.10-06-015) ...	55473-E
14-902-I	Interim Economic Development Rate-Retention Agreement (post D.10-06-015)	55474-E
14-958	Economic Development Rate-Attraction Agreement (post D.15-04-006)	56651-E
14-959	Economic Development Rate-Expansion Agreement (post D. 15-04-006)	56652-E
14-960I	Economic Development Rate-Retention Agreement (post D.15-04-006)	56653-E
14-904	Micro-Business Self-Certification Affidavit	47775-E
14-915	Agreement for Unmetered Electric Service to Advanced Metering Infrastructure Devices Connected to Customer-Owned Street Light Facilities.....	51999-E
14-916	Agreement for Unmetered Electric Service to CPUC-Approved Advanced Metering Infrastructure Devices Connected to SCE’s Street Light Facilities.....	52000-E
14-927	Affidavit Regarding Eligibility for Agricultural Power Service.....	52482-E
14-938	Authorization to Add Loan Charges to SCE Bill (Non-Residential)	53942-E
14-945	Maritime Entity Election Form	54412-E
14-948	EV Submeter Pilot Phase 1 Submeter Meter Data Management Agent	56570-E
14-949	Customer Enrollment Agreement – Electric Vehicle Submetering Pilot (Phase 1) ..	56571-E
14-965	Schedule LS-1 Option E, Energy Efficiency LED Fixture Replacement Agreement	57074-E
16-323	Service Adjustment Agreement (Military Base Closures).....	18753-E

(N)

(Continued)

(To be inserted by utility)
 Advice 3241-E
 Decision _____

Issued by
R.O. Nichols
 Senior Vice President

(To be inserted by Cal. PUC)
 Date Filed Jun 30, 2015
 Effective _____
 Resolution _____