



Clay Faber  
Director  
Regulatory Affairs  
8330 Century Park Court  
San Diego, CA 92123-1548

Tel: 858.654.3563  
Fax: 858.654.1788  
cfaber@semprautilities.com

April 15, 2014

**ADVICE LETTER 2593-E**  
(U-902-E)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

**SUBJECT: MODIFICATIONS TO TARIFF SCHEDULES RELATED TO NET ENERGY METERING AND RULE 21 TO INCLUDE DISCLAIMER LANGUAGE**

San Diego Gas & Electric ("SDG&E") hereby submits the following modifications applicable to its electric tariffs, as show in the enclosed Attachment A.

#### **PURPOSE**

The purpose of this Advice Letter ("AL") is to request the California Public Utilities Commission ("Commission") approval of SDG&E's additions to its Tariff Schedules for Net Energy Metering ("NEM"), NEM Fuel Cell ("NEM-FC"), Virtual Net Energy Metering for Multi-Tenant and Multi-Meter Properties("NEM-V"), Virtual Net Energy Metering for Multi Family Affordable Housing ("VNM-A") and Rule 21 – Interconnection Standards for Non-Utility Owned Generation. These modifications include language that notifies customers that rates may change due to Commission decisions, legislation or other formal vehicles.

#### **BACKGROUND**

Due to the number of open proceedings before the Commission, actions the state legislature may take or other formal decisions, rates may change over time. SDG&E proposes to include language in its Tariff Schedules to clearly communicate these potential rate changes to customers in an effort to be transparent and for the customer to be informed and knowledgeable of potential changes that may affect their decision when considering NEM and other services.

SDG&E proposes to include the following language addition to its Tariff Schedules for NEM, NEM-FC, NEM-V, VNM-A and Rule 21;

"SDG&E rates and rate design, including the rates and rate design reflected in this Tariff, are subject to change from time to time. Customers should take this into consideration when making any long term decisions based on rate structures that are currently in place."

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

**EFFECTIVE DATE**

SDG&E believes that this filing is subject to Energy Division disposition and should be classified as Tier 2 (effective after staff approval) pursuant to GO 96-B. SDG&E respectfully requests that this filing become effective on May 15, 2014 which is 30 days from the date of this filing.

**PROTEST**

Anyone may protest this Advice Letter to the California Public Utilities Commission. The protest must state the grounds upon which it is based, including such items as financial and service impact, and should be submitted expeditiously. The protest must be made in writing and must be received by May 5, 2014, which is 20 days from the date this Advice Letter was filed with the Commission. There is no restriction on who may file a protest. The address for mailing or delivering a protest to the Commission is:

CPUC Energy Division  
Attention: Tariff Unit  
505 Van Ness Avenue  
San Francisco, CA 94102

Copies of the protest should also be sent via e-mail to the attention of the Energy Division at [EDTariffUnit@cpuc.ca.gov](mailto:EDTariffUnit@cpuc.ca.gov). A copy of the protest should also be sent via both e-mail and facsimile to the address shown below on the same date it is mailed or delivered to the Commission.

Attn: Megan Caulson  
Regulatory Tariff Manager  
8330 Century Park Court, Room 32C  
San Diego, CA 92123-1548  
Facsimile No. (858) 654-1879  
E-mail: [mcaulson@semprautilities.com](mailto:mcaulson@semprautilities.com)

**NOTICE**

A copy of this filing has been served on the utilities and interested parties shown on the attached list, including parties in service list R.12-11-005 and R.11-09-011 by providing them a copy hereof, either electronically or via the U.S. mail, properly stamped and addressed.

Address changes should be directed to SDG&E Tariffs by facsimile at (858) 654-1879 or by e-mail at [SDG&ETariffs@semprautilities.com](mailto:SDG&ETariffs@semprautilities.com).

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CLAY FABER  
Director – Regulatory Affairs

# 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. **SAN DIEGO GAS & ELECTRIC (U 902)**

Utility type:

ELC     GAS  
 PLC     HEAT     WATER

Contact Person: Joff Morales

Phone #: (858) 650-4098

E-mail: jmorales@semprautilities.com

### EXPLANATION OF UTILITY TYPE

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

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: 2593-E

Subject of AL: Modifications to Tariff Schedules Related to Net Energy Metering and Rule 21 to  
Include Disclaimer Language

Keywords (choose from CPUC listing): Tariffs, Schedules, NEM

AL filing type:  Monthly  Quarterly  Annual  One-Time  Other

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

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: None

Summarize differences between the AL and the prior withdrawn or rejected AL: N/A

Does AL request confidential treatment? If so, provide explanation: N/A

Resolution Required?  Yes  No

Tier Designation:  1  2  3

Requested effective date: 5/15/2014

No. of tariff sheets: 8

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

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: See Attachment A

Service affected and changes proposed<sup>1</sup>: N/A

Pending advice letters that revise the same tariff sheets: None

**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 Ave.,  
San Francisco, CA 94102  
EDTariffUnit@cpuc.ca.gov

San Diego Gas & Electric  
Attention: Megan Caulson  
8330 Century Park Ct, Room 32C  
San Diego, CA 92123  
mcaulson@semprautilities.com

<sup>1</sup> Discuss in AL if more space is needed.

General Order No. 96-B  
ADVICE LETTER FILING MAILING LIST

cc: (w/enclosures)

Public Utilities Commission

DRA

Y. Schmidt  
W. Scott

Energy Division

P. Clanon  
S. Gallagher  
H. Gatchalian  
D. Lafrenz  
M. Salinas

CA. Energy Commission

F. DeLeon  
R. Tavares

Alcantar & Kahl LLP

K. Harteloo

American Energy Institute

C. King

APS Energy Services

J. Schenk

BP Energy Company

J. Zaiontz

Barkovich & Yap, Inc.

B. Barkovich

Bartle Wells Associates

R. Schmidt

Braun & Blaising, P.C.

S. Blaising

California Energy Markets

S. O'Donnell  
C. Sweet

California Farm Bureau Federation

K. Mills

California Wind Energy

N. Rader

CCSE

S. Freedman  
J. Porter

Children's Hospital & Health Center

T. Jacoby

City of Chula Vista

M. Meacham  
E. Hull

City of Poway

R. Willcox

City of San Diego

J. Cervantes  
G. Lonergan  
M. Valerio

Commerce Energy Group

V. Gan

Constellation New Energy

W. Chen

CP Kelco

A. Friedl

Davis Wright Tremaine, LLP

E. O'Neill  
J. Pau

Dept. of General Services

H. Nanjo  
M. Clark

Douglass & Liddell

D. Douglass  
D. Liddell  
G. Klatt

Duke Energy North America

M. Gillette

Dynegy, Inc.

J. Paul

Ellison Schneider & Harris LLP

E. Janssen

Energy Policy Initiatives Center (USD)

S. Anders

Energy Price Solutions

A. Scott

Energy Strategies, Inc.

K. Campbell  
M. Scanlan

Goodin, MacBride, Squeri, Ritchie & Day

B. Cragg  
J. Heather Patrick

J. Squeri

Goodrich Aerostructures Group

M. Harrington

Hanna and Morton LLP

N. Pedersen

Itsa-North America

L. Belew

J.B.S. Energy

J. Nahigian

Luce, Forward, Hamilton & Scripps LLP

J. Leslie

Manatt, Phelps & Phillips LLP

D. Huard  
R. Keen

Matthew V. Brady & Associates

M. Brady

Modesto Irrigation District

C. Mayer

Morrison & Foerster LLP

P. Hanschen

MRW & Associates

D. Richardson

OnGrid Solar

Andy Black

Pacific Gas & Electric Co.

J. Clark  
M. Huffman  
S. Lawrie  
E. Lucha

Pacific Utility Audit, Inc.

E. Kelly

R. W. Beck, Inc.

C. Elder

School Project for Utility Rate  
Reduction

M. Rochman

Shute, Mihaly & Weinberger LLP

O. Armi

Solar Turbines

F. Chiang

Sutherland Asbill & Brennan LLP

K. McCrea

Southern California Edison Co.

M. Alexander

K. Cini

K. Gansecki

H. Romero

TransCanada

R. Hunter

D. White

TURN

M. Florio  
M. Hawiger

UCAN

M. Shames

U.S. Dept. of the Navy

K. Davoodi

N. Furuta

L. DeLacruz

Utility Specialists, Southwest, Inc.

D. Koser

Western Manufactured Housing  
Communities Association

S. Dey

White & Case LLP

L. Cottle

Interested Parties

R.12-11-005

R.11-09-011

ATTACHMENT A  
ADVICE LETTER 2593-E

Cal. P.U.C. Sheet No.	Title of Sheet	Canceling Cal. P.U.C. Sheet No.
Revised 24739-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 3	Revised 22599-E
Revised 24740-E	SCHEDULE NEM-FC, NET ENERGY METERING FOR FUEL CELL CUSTOMER-GENERATORS, Sheet 3	Revised 23438-E
Revised 24741-E	SCHEDULE NEM-V, VIRTUAL NET ENERGY METERING FOR MULTI-TENANT AND MULTI-METER PROPERTIES, Sheet 2	Original 22934-E
Revised 24742-E	SCHEDULE VNM-A, VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING, Sheet 1	Revised 23223-E
Revised 24748-E	RULE 21, INTERCONNECTION STANDARDS FOR NON-UTILITY OWNED GENERATION, Sheet 1	Revised 23110-E
Revised 24744-E	TABLE OF CONTENTS, Sheet 1	Revised 24736-E
Revised 24745-E	TABLE OF CONTENTS, Sheet 5	Revised 24703-E
Revised 24746-E	TABLE OF CONTENTS, Sheet 6	Revised 24704-E
Revised 24747-E	TABLE OF CONTENTS, Sheet 7	Revised 24737-E



**SCHEDULE NEM**  
**NET ENERGY METERING**

RATES (Continued)

Customer-generators with Multiple Tariff Facilities with existing NEM and/or NEM-FC eligible generators interconnecting additional generators, will receive a bill true-up prior to taking service under Special Condition 7. This ensures that all NEM accounts have the same Relevant Period, as defined in Special Condition 3, going forward.

All NEM-eligible customer-generators are responsible for Public Purpose Program (PPP) charges based on the net energy delivered by the Utility.

SDG&E rates and rate design, including the rates and rate design reflected in this Tariff, are subject to change from time to time. Customers should take this into consideration when making any long term decisions based on rate structures that are currently in place.

SPECIAL CONDITIONS

1. Definitions: The definitions of terms used in this schedule are either found herein or in Rule 1, Rule 21, or the customer's OAS.
  - a. Otherwise Applicable Schedule ("OAS"): The NEM-eligible customer-generator's regularly filed rate schedule under which service is rendered.
  - b. Renewable Electrical Generation Facility: A facility that generates electricity from a renewable source listed in paragraph (1) of subdivision (a) of Section 25741 of the Public Resources Code. These sources are biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation (only if facility will not cause an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow), digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and any additions or enhancements to the facility using that technology.
2. Metering Equipment: Multiple Tariff Facilities will be metered under one of the options in Special Condition 6. All other Net Energy Metering shall be accomplished using a single meter capable of registering the flow of electricity in two directions. If the eligible customer-generator's existing electrical meter is not capable of registering the flow of electricity in two directions, the eligible customer-generator shall be responsible for all expenses involved in purchasing and installing a meter that is able to register electricity flow in two directions. An additional meter or meters, installed in a dual meter socket ("dual metering"), to monitor the flow of electricity in each direction, may be installed with the consent of the eligible customer-generator, at the expense of the Utility, and the dual metering shall be used only to provide the information necessary to accurately bill or credit the customer according to the Utility's OAS or to collect electric generating system(s) performance information for research purposes. The Utility shall determine whether dual metering is required under this provision. If dual metering is installed, the net energy metering calculation (see below) shall yield a result identical to that of a single meter capable of registering the flow of electricity in two directions. The Utility shall not require dual metering except where necessary for billing accuracy. If none of the normal metering options available at the Utility's disposal, which are necessary to render accurate billing, are acceptable to the eligible customer-generator, the Utility shall have the right to refuse interconnection.

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**SCHEDULE NEM-FC**

Sheet 3

NET ENERGY METERING FOR FUEL CELL CUSTOMER-GENERATORS

RATES (continued)

Customers eligible for service under this schedule are not required to take service under Schedule S (Standby Service) or Schedule S-I (Standby Service – Interruptible) for the qualifying generators. Eligible customers shall be permitted to take standby service for non-eligible generation on the same meter as the eligible generation.

The charges and credits for Multiple Tariff Facilities taking service on this rate schedule under the provisions of Special Condition 7 will be calculated using the OAS identified by the eligible fuel cell customer-generator in its application for interconnection and its interconnection agreement with SDG&E or as subsequently changed by the eligible fuel cell customer-generator in accordance with SDG&E’s Electric Rule 12.

Customers with Multiple Tariff Facilities with existing NEM and/or NEM-FC eligible generators interconnecting additional generators, will receive a bill true-up, prior to taking service under Special Condition 7. This ensures that all NEM accounts have the same Relevant Period, as defined in Special Condition 1.d, going forward.

SDG&E rates and rate design, including the rates and rate design reflected in this Tariff, are subject to change from time to time. Customers should take this into consideration when making any long term decisions based on rate structures that are currently in place.

SPECIAL CONDITIONS

1. Definitions: The definitions and terms used in this schedule are either found herein or in Rule 1, Rule 21, or the eligible fuel cell customer-generator’s OAS.
  - a. Eligible Fuel Cell Electrical Generating Facility: A Generating Facility used to produce electricity by a fuel cell, that meets all applicable safety and performance standards in accordance with the Utility’s Electric Rule 21 and pursuant to PU Code Section 2827.10 includes 1) an integrated power plant systems containing a stack, tubular array, or other functionally similar configuration used to electrochemically convert fuel to electric energy; 2) an inverter and fuel processing system where necessary, and 3) other plant equipment, including heat recovery equipment necessary to support the plant’s operation or it’s energy conversion.
  - b. Date of Final Interconnection: The date the Utility provides the eligible fuel cell customer-generator with the Utility’s written approval to commence parallel operation of the Eligible Fuel Cell Electrical Generating Facility for purposes of participating in Schedule NEM-FC.
  - c. Otherwise Applicable Schedule (OAS): The eligible fuel cell customer-generator’s regularly filed rate schedule under which service is rendered.
  - d. Relevant Period: Twelve monthly billing cycles commencing on the anniversary date of Final Interconnection or pursuant to Special Condition 4.b, or a portion thereof, in the event service under this tariff terminates.
  - e. Eligible Metered Service Account: A TOU metered service account serving an Eligible Fuel Cell Electrical Generating Facility.

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**SCHEDULE NEM-V**

Sheet 2

VIRTUAL NET ENERGY METERING FOR MULTI-TENANT AND MULTI-METER PROPERTIES

RATES

The Qualified Customer Bill, as determined under SC 7c., is applicable, less Customer's Allocated Credit.

A one-time service origination set-up fee of \$25 per Benefiting Account with a cap of \$500 per VNM arrangement is applicable to eligible customer-generators receiving service under this schedule. The fee will be charged to an Owner designated account under which the owner receives service from the same Service Delivery Point (SDP) that is connected to the Eligible Customer Generator. The Owner will identify the designated account on the Generation Credit Allocation Request Form (Form 142-02770).

SDG&E rates and rate design, including the rates and rate design reflected in this Tariff, are subject to change from time to time. Customers should take this into consideration when making any long term decisions based on rate structures that are currently in place.

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SPECIAL CONDITIONS

1. Definitions: The Definitions of terms used in this schedule are found either herein or in Rule 1.
2. Treatment of Generation: Eligible customer-generators that are installed and utilized in providing service under terms of this rate schedule shall be treated as though they were installed and utilized under terms of Schedule NEM that apply to customers eligible to receive full retail credit, unless otherwise specified herein.
3. Qualified Customer: A Qualified Customer is either: (i) the Owner or Operator of the multi-tenant, multi-meter Property with one or more separately metered accounts; (ii) an entity authorized by the Owner to install and/or operate the generating facility and who will be the Utility's customer of record for the Generating Facility; or (iii) a tenant/occupant of the Property with a separately metered account, which is physically connected to the same SDP to which the Eligible Generator is connected. Customer-owned line extensions that deliver power to other meters on the same property are not considered separate SDPs.

The Qualified Customer definition shall extend to Owner for the purpose of billing common use areas, unoccupied units, and other metered accounts under which the owner receives service from the same SDP.

4. Owner: The Enterprise, or Entity, that owns a multi-tenant or multi-meter property.
5. Generator Interconnection Responsibility: To be eligible for NEM-V service, the Owner shall have an effective interconnection agreement with the Utility and have submitted a Generation Credit Allocation Request to the Utility. In addition, the Owner shall have paid all costs associated with the Utility installing a Generator Output Meter capable of recording in 15 minute increments, applicable disconnect/reconnect procedure charges requested by the customer, any wiring, trenching, conduit, or other facility costs incurred by the Utility to interconnect with the Owner's eligible customer-generator adjusted based on Rule 2 factors for a one-time payment. The location of the customer's Generator Output Metering equipment shall be approved by the Utility, and will normally be grouped with the service and metering equipment for one, or more, of the tenant or house meters.

If there is any load behind the Generation Output Meter in addition to incidental load related to the operation of the eligible customer-generator, SDG&E reserves the right to require, at the Owner's expense, the purchase and installation of metering equipment necessary to determine the total generation and total usage at the interconnection point. Such usage shall be billed as a usage account to ensure that all eligible generation output is allocated and that netting only occurs after credits have been allocated.

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**SCHEDULE VNM-A**

Sheet 1

VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING

APPLICABILITY

Optionally available to Qualified Customers as defined in Special Condition (SC) 4, owning, renting, or leasing in Multi-Family Affordable Housing Accommodations as defined in SC 3, where the Owner of the complex has installed a solar "eligible customer-generator" with generating capacity of 1 megawatt (MW) or less, as defined in Schedule NEM and Public Utilities (PU) Code Section 2827, and contracts with the Utility to have all eligible output from the generator supplied to the Utility for the purpose of providing a credit to the Qualified Customers within the complex. The terms of this rate schedule shall apply to any Qualified Customer that is designated by the Owner on a Solar Generation Credit Allocation Request Form, unless the customer provides written notification to the Utility declining to receive a credit. Virtual Net Energy Metering (VNM) facilitates cost savings for Owners by avoiding the installation of an eligible customer-generator on each individual dwelling unit, and also provides Qualified Customers with the benefits that would otherwise be provided under Net Energy Metering (NEM). Owners that install an eligible customer-generator for the purpose of VNM-A may be eligible for additional up-front incentives (see SC 11).

Accounts not fully utilizing energy allocated to them under this schedule may be eligible for additional compensation at the conclusion of their Relevant Period as described in Special Condition 8.e.

Service on this rate schedule must be taken in combination with the Qualified Customer's otherwise applicable rate schedule (OAS). This schedule will be available to eligible customer-generators, upon request, on a first-come-first-served basis until the time that total rated generating capacity used by both NEM, VNM-A and NEM-V eligible customer-generators exceeds 5% of SDG&E's aggregate customer peak demand (defined as the highest sum of all customers' non-coincident peak demands that occurs in any calendar year) until December 31, 2015 or until all funds available for incentives have been allocated, whichever comes first. VNM-A Customers are not eligible to take service under SDG&E Schedule DR-SES.

TERRITORY

Within the entire territory served by the Utility.

RATES

The Qualified Customer Bill as determined under SC 9c. is applicable, less Customer's Allocated Credit.

SDG&E rates and rate design, including the rates and rate design reflected in this Tariff, are subject to change from time to time. Customers should take this into consideration when making any long term decisions based on rate structures that are currently in place.

SPECIAL CONDITIONS

1. Definitions: The Definitions of terms used in this schedule are found either herein or in Rule 1.
2. Treatment of Generation: Eligible customer-generators that are installed and utilized in providing service under terms of this rate schedule shall be treated as though they were installed and utilized under terms of Schedule NEM, unless otherwise specified herein.
3. Affordable Housing Multi-Family Accommodations: Per PU Code Section 2852, is multi-family housing that meets at least one of following criteria:
  - a) Residential housing financed with low-income housing tax credits, tax-exempt mortgage revenue bonds, general obligation bonds, or local, state, or federal loans or grants, and for which the rents of the occupants who are lower income households, as defined in Section 50079.5 of the Health and Safety Code, do not exceed those prescribed by deed restrictions or regulatory agreements pursuant to the terms of the financing or financial assistance.

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**RULE 21**

Sheet 6

INTERCONNECTION STANDARDS FOR NON-UTILITY OWNED GENERATION

**B. Applicability**

**1. Applicability**

This Rule describes the Interconnection, operating and Metering requirements for those Generating Facilities to be connected to Distribution Provider's Distribution System and Transmission System over which the California Public Utilities Commission (Commission) has jurisdiction. All Generating Facilities seeking Interconnection with Distribution Provider's Transmission System shall apply to the California Independent System Operator (CAISO) for Interconnection and be subject to CAISO Tariff except for 1) Net Energy Metering Generating Facilities and 2) Generating Facilities that do not export to the grid or sell any exports sent to the grid (Non-Export Generating Facilities). NEM Generating Facilities and Non-Export Generating Facilities subject to Commission jurisdiction shall interconnect under this Rule regardless of whether they interconnect to Distribution Provider's Distribution or Transmission System. Subject to the requirements of this Rule, Distribution Provider will allow the Interconnection of Generating Facilities with its Distribution or Transmission System. Generating Facility interconnections to Distribution Provider's Distribution System that are subject to Federal Energy Regulatory Commission (FERC) jurisdiction shall apply under Distribution Provider's WDAT.

SDG&E rates and rate design, including the rates and rate design reflected in this Tariff, are subject to change from time to time. Customers should take this into consideration when making any long term decisions based on rate structures that are currently in place.

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**2. Definitions**

Capitalized terms used in this Rule, and not defined in Distribution Provider's other tariffs shall have the meaning ascribed to such terms in Section C of this Rule. The definitions set forth in Section C of this Rule shall only apply to this Rule, the Interconnection Request, study agreements and Generator Interconnection Agreements, and may not apply to Distribution Provider's other tariffs.

**3. Applicable Codes and Standards**

This Rule has been harmonized with the requirements of American National Standards Institute/Institute of Electrical and Electronic Engineers (ANSI/IEEE) 1547-2003 Standards for Interconnecting Distributed Resources with Electric Power Systems. In some sections, IEEE 1547 language has been adopted directly, in others, IEEE 1547 requirements were interpreted and this Rule's language was changed to maintain the spirit of both documents. The language from IEEE 1547 that has been adopted directly (as opposed to paraphrased language or previous language that was determined to be consistent with IEEE 1547) is followed by a citation that lists the Clause from which the language derived. For example, IEEE 1547-4.1.1 is a reference to Clause 4.1.1. In the event of any conflict between this Rule, any of the standards listed herein, or any other applicable standards or codes, the requirements of this Rule shall take precedence.

(Continued)



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The following sheets contain all the effective rates and rules affecting rates, service and information relating thereto, in effect on the date indicated herein.

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1P5

Advice Ltr. No. 2593-E

Decision No. \_\_\_\_\_

Issued by  
**Lee Schavrien**  
Senior Vice President  
Regulatory Affairs

Date Filed Apr 15, 2014

Effective \_\_\_\_\_

Resolution No. \_\_\_\_\_



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