

**TITLE 7**  
**ELECTRIC SERVICE**

**CHAPTERS:**

<b>7.01</b>	<b>General</b>
<b>7.04</b>	<b>District Responsibilities</b>
<b>7.05</b>	<b>Customer Responsibilities</b>
<b>7.06</b>	<b>System Disturbances Resulting From Customer Equipment</b>
<b>7.08</b>	<b>Continuity of Service</b>
<b>7.12</b>	<b>Application for Service-New Construction &amp; Upgrades</b>
<b>7.16</b>	<b>Ownership of Facilities and Right of Access</b>
<b>7.20</b>	<b>Temporary Service</b>
<b>7.28</b>	<b>Refusal to Serve</b>
<b>7.32</b>	<b>Customer Generation</b>
<b>7.40</b>	<b>Resale of Electricity</b>
<b>7.44</b>	<b>Power Poles</b>
<b>7.45</b>	<b>Electric System Master Plan</b>
<b>7.46</b>	<b>Electric System Line Extensions</b>
<b>7.48</b>	<b>Electric System Construction Standards</b>
<b>7.52</b>	<b>Street and Security Light Service</b>
<b>7.56</b>	<b>Service Connections</b>
<b>7.60</b>	<b>Hazardous Materials</b>
<b>7.64</b>	<b>Net Metering</b>
<b>7.68</b>	<b>Illegal Use or Diversion of Electricity</b>
<b>7.72</b>	<b>Metering</b>
<b>7.80</b>	<b>Repairs and Maintenance</b>
<b>7.83</b>	<b>Renewable Portfolio Standard</b>

**CHAPTER 7.01**

**GENERAL**

**Section:**

**7.01.010    General**

**7.01.010    General**

**7.01.010.1** These Electric Service Policies have been adopted by the District in the interest of efficiency, economy, reliability and safety in regulating and administering the distribution of electricity to its Customers. They are subject to revision by the Board of Directors of the District from time to time in order to meet these objectives.

**7.01.010.2** The District shall furnish services under its current rate schedules and these policies as approved from time to time by the Board of Directors of the District and shall govern all service except as specifically modified by the terms and conditions of the rate schedules or by written contracts.

**7.01.010.3** Any dispute arising between an applicant and the District regarding interpretation and administration of these rules will be referred to the Board of Directors for final decision.

**7.01.010.4** If at any time during the Development Agreement process issues arise that need resolution, the developer should submit a written request to the Project Administrator responsible for the project in question. Such request shall state all of the items of concern. The developer can expect a response within 10 business days from receipt of request. If no resolution is reached, the developer can request a meeting with the District's General Manager. If still no resolution is reached, the developer can request a meeting before the Board to resolve the issue. Staff shall agendaize the item before the Board for the next scheduled regular Board meeting. Scheduling shall be consistent with the Brown Act and must occur with at least 72 hours prior notice. Only after this process is exhausted without resolution of the dispute may the parties proceed to litigation. If either party commences a court action against the other based on a dispute or claim to which this paragraph applies without first complying with the provisions of this paragraph, the party commencing the court action shall not be entitled to recover attorney's fees, even if they would otherwise be available in such court action.

## **CHAPTER 7.04**

### **DISTRICT RESPONSIBILITIES**

#### **Sections:**

- 7.04.010      General Information**
- 7.04.020      Delivery - Voltage and Phase**
- 7.04.030      Voltage Regulation, District Substation**

**7.04.010 General Information** To the best of its ability and in consideration of the existing source, the District will supply electricity at each customer's service connection dependably and safely, in adequate quantities to meet the reasonable needs and requirements of the customer, in accordance with these policies.

**7.04.020 Delivery - Voltage and Phase** All service shall be alternating current - 60 hertz. Nominal secondary delivery voltages supplied by the District are:

- a) Overhead and underground secondary services from an overhead primary system will be at 120/240 volt - single phase.
- b) Underground secondary service from an underground primary system:
  - 1. 120/240 volt - single phase
  - 2. 120/208 volt - single/three phase wye (network metering)

3. 120/208 volt - three phase wye
4. 277/480 volt - three phase wye

Service at primary voltage is also available. Contact the District for detailed requirements.

**7.04.030 Voltage Regulation, District Substation** To the best of its ability and in consideration of the existing source, the District will regulate its voltage at each of its substations so as to ultimately supply its customers their nominal secondary voltage plus or minus 5%.

## CHAPTER 7.05

### CUSTOMER RESPONSIBILITIES

#### Sections:

<b>7.05.010</b>	<b>Increased Load</b>
<b>7.05.020</b>	<b>Balancing of Load</b>
<b>7.05.030</b>	<b>Power Factor Correction</b>
<b>7.05.040</b>	<b>Surge Protection</b>
<b>7.05.050</b>	<b>Voltage Regulation</b>
<b>7.05.060</b>	<b>Motors</b>
<b>7.05.070</b>	<b>District Not Responsible for Damage</b>

**7.05.010 Increased Load** In the event the Customer desires to increase their load materially, such as additional electric heat, increased motor loads, etc., they shall give the District sufficient advance notice, so that the District may provide added facilities, if necessary, at Customer expense. If the Customer fails to notify the District and the District's equipment is damaged as a result of such increase in load, the Customer shall reimburse and make payment to the District for all such damages.

**7.05.020 Balancing of Load** For three phase services, the Customer shall keep the load current, under normal operating conditions, balanced within plus or minus 10 percent of the average load current.

**7.05.030 Power Factor Correction** If the District determines that the power factor of a Customer's load is less than 95 percent lagging, the Customer shall install proper equipment at their expense to prevent the power factor from falling below 95 percent. If such equipment is required to be installed on the District's system, the Customer shall reimburse and make payment to the District for all labor and materials required to provide power factor correction.

**7.05.040 Surge Protection** The Customer shall be responsible to provide surge protection for all voltage sensitive equipment such as electronic appliances or devices.

**7.05.050 Voltage Regulation** The Customer should consider installing an Uninterruptible Power Supply (UPS) or other voltage regulating equipment where momentary or

extended outages or voltage fluctuations would cause inconvenience, loss of electronic memory, or trip alarms, etc.

### **7.05.060 Motors**

**7.05.060.1 Starting Limitations** Customers shall install no motors whose starting shall cause a voltage drop greater than 3% at the service meter point or greater than 2% at a neighboring point of service. Single phase motors, up to and including 5 HP may be served by single phase at 240 volts. Applications requiring more than 5 HP must use three phase motors. Three phase motor applications, up to and including 25 HP are generally permitted to be started across the line subject to the requirements of this policy. Motors over 25 HP require reduced voltage starting facilities which are subject to approval by the District.

**7.05.060.2 Undervoltage Protection** All motors and special apparatus should be equipped with suitable undervoltage relays or time delay tripping devices to protect against sustained undervoltage or service interruption and to prevent automatic disconnection of equipment upon momentary voltage disturbance.

**7.05.060.3 Single Phase Protection** Three-phase motors should be equipped with suitable protective relays or other devices to prevent single-phase operation, improper direction of rotation and excessive heating due to over current.

**7.05.070 District Not Responsible for Damage** The District shall not be responsible for damage to Customer equipment due to failure of Customer to provide adequate protection.

## **CHAPTER 7.06**

### **SYSTEM DISTURBANCES RESULTING FROM CUSTOMER EQUIPMENT**

#### **Sections:**

- 7.06.010      General**
- 7.06.020      Power Quality**
- 7.06.030      Total Harmonic Distortion (THD)**

**7.06.010 General** The customer's use of the District's electrical facilities shall not result in any interference, disturbance, voltage fluctuations or other quality of service issue to the District's electric distribution system or to other customers. The customer shall provide, at their own expense, equipment to mitigate quality of service issues. In the case of devices in which large blocks of load are recurrently switched on and off, such as electric boilers, welders, heaters, motors, non-linear loads, or where the customer desires voltage control within unusually close limits, the District may require the customer to provide, at their own expense, special or additional equipment.

**7.06.020 Power Quality** To minimize all interference with the quality of their service or that of other customers, the District requires customer electrical facilities to meet the power quality standards presented in the latest version of IEEE Standard 519, Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems, Section 10 - Recommended Practices for Individual Customers, in addition to other District requirements or standards.

**7.06.030 Total Harmonic Distortion (THD)**

**7.06.030.1** The application of any nonlinear load by the Customer (e.g., static power converters, arc furnaces, adjustable speed drive systems, etc.) shall not cause voltage and/or current Total Harmonic Distortion (THD) levels greater than the levels as recommended by IEEE Standard 519, or subsequent revision, on the District's electric system at the point of power delivery to the Customer's facility. The District will determine the appropriate SCR (short circuit ratio) at the customer's facility for the purpose of applying IEEE Standard 519.

**7.06.030.2** The Customer shall disclose to the District all nonlinear loads prior to connection. The District may test the Customer's load to determine the THD levels.

**7.06.030.3** It shall be the responsibility of the Customer to assure that the THD requirements are met, including the purchase of necessary filtering equipment. Any load found not in compliance with this policy shall be corrected immediately by the Customer at the Customer's expense. If not corrected, the District may terminate service to the Customer's facility.

**7.06.030.4** The Customer shall be liable for all damages, losses, claims, costs, expenses and liabilities of any kind or nature arising out of, caused by, or in any way connected with the application by the Customer of any nonlinear load operating with maximum THD levels in excess of the values stated in Paragraph 1. The Customer shall hold harmless and indemnify the District from and against any claims, losses, costs of investigation, expenses, reasonable attorneys' fees, damages and liabilities of any kind or nature arising out of, caused by, or in any way connected with the application by the Customer of any nonlinear load operating with maximum THD levels in excess of the values stated in Paragraph 1.

**CHAPTER 7.08**

**CONTINUITY OF SERVICE**

**Sections:**

- 7.08.010      General**
- 7.08.020      Emergency Interruptions**
- 7.08.030      Scheduled Interruptions**
- 7.08.040      Apportionment of Supply**

## **7.08.010 General**

**7.08.010.1** The District will exercise reasonable diligence and care to deliver to its customers a continuous and sufficient supply of electricity at a proper voltage and to avoid, so far as reasonably possible, any interruption in delivery. When such interruptions occur, the District will endeavor to re-establish service as soon as is reasonably and practicably possible, taking into consideration the safety of its employees, customers and general public.

**7.08.010.2** Electric Service is inherently subject to interruption, suspension, curtailment and fluctuation. In no event, however, shall the District be liable to its Customers or any other persons for any damages to person or property arising out of, or related to, any interruption, suspension, curtailment or fluctuation in service if such interruption, suspension, curtailment or fluctuation results in whole or part from any of the following:

**7.08.010.2(A)** Causes beyond the District's reasonable control include, but are not limited to, accident or casualty, fire, flood, drought, wind, acts of the elements, court orders, insurrections or riots, generation failures, lack of sufficient generating capacity, breakdowns of or damage to equipment/facilities of District or of third parties, acts of God or public enemy, strikes or other labor disputes, civil, military or governmental authority, electrical disturbances originating on or transmitted through electrical systems with which District's system is interconnected and acts or omissions of third parties.

**7.08.010.2(B)** Repair, maintenance, improvement, renewal or replacement work on District's electrical system which work, in the sole judgment of District, is necessary or prudent.

**7.08.010.2(C)** Automatic or manual actions taken by District, which in its sole judgment are necessary or prudent to protect the performance, integrity, reliability or stability of District's electrical system or any electrical system with which it is interconnected. Such actions shall include, but shall not be limited to, the operation of automatic or manual protection equipment installed in the District's electrical system, including, without limitation, such equipment as automatic relays, circuit breakers, switches or other controls. Automatic equipment is preset to operate under certain prescribed conditions, which in the sole judgment of District, threaten system performance, integrity, reliability and stability.

**7.08.010.2(D)** Actions taken to conserve energy and actions taken by the District with respect to any plan or course of action to conserve energy at times of anticipated deficiency of resources, including, but not limited to, non-voluntary curtailment or suspension of electric service.

## **7.08.020 Emergency Interruptions**

**7.08.020.1** Under disaster conditions, the District will cooperate to the fullest extent possible with all governmental agencies having authority within District boundaries.

**7.08.020.2** Under disaster conditions, the District will restore power in the following order if feasible:

**7.08.020.2(A)** Hospitals and defined critical customers

**7.08.020.2(B)** Governmental agencies, including law enforcement, fire departments and other first responders

**7.08.020.2(C)** Disaster shelters

**7.08.020.2(D)** Main line feeders, tap circuits, and other areas where large groups of customers can be put back into service at the same time

**7.08.020.2(E)** Individual services

**7.08.030 Scheduled Interruptions** The District may suspend the delivery of electric service for the purpose of making repairs or improvements to its system. The District will attempt to provide reasonable advance notice of such suspension to affected customers. Repairs or improvements that can be scheduled will be scheduled, when feasible, at such time as to minimize impact to District Customers. The District will have final determination on the timing of planned outages. In making repairs and improvements to the District's electrical system, the District will do so with diligence and complete them as soon as reasonably practicable in accordance with prudent utility practice.

**7.08.040 Apportionment of Supply** During periods of electrical shortage, the District shall apportion its available supply among its customers as required by existing state and federal laws. Otherwise, it will apportion its supply in the manner that appears most equitable under the circumstances then prevailing, with due regard to public health and safety.

## CHAPTER 7.12

### APPLICATION FOR SERVICE – NEW CONSTRUCTION & UPGRADES

#### Sections:

<b>7.12.010</b>	<b>General</b>
<b>7.12.020</b>	<b>Change in Customer's Equipment or Operations</b>
<b>7.12.030</b>	<b>New Construction and Upgrades</b>
<b>7.12.040</b>	<b>As-built Drawing Procedure</b>

**7.12.010 General** Each applicant for electric service shall complete the necessary application and shall pay to the District the required fees as determined by the District.

**7.12.010.1** Each applicant will be required to show identification when he or she signs the District's application.

**7.12.010.2** The application for service is a written request for service and does not bind the applicant to accept service, nor does the application require that the District actually

provide electric service. It does, however, bind the applicant to be governed by all rules and regulations of the District in case service is rendered.

**7.12.010.3** The District shall render service when it has determined that the applicant has complied with the following provisions:

**7.12.010.3(A)** The applicant has received a valid building permit from the Town of Truckee or the appropriate agency governing where the property is located.

**7.12.010.3(B)** All written agreements between the applicant and the District have been evaluated by staff, fully executed by the parties and if applicable, approved by the Board of Directors. Please refer to the District's Development Agreement Guidelines for new developments.

**7.12.010.3(C)** The applicant has demonstrated that they have acceptable credit and paid all appropriate fees and charges.

**7.12.010.3(D)** The applicant has installed the necessary service facilities.

**7.12.020 Change in Customer's Equipment or Operations** In the event a customer desires to make a material change in the amount of consumption or in the size, character, or extent of the equipment and facilities providing electric service to them, they shall immediately file with the District an amendment of the application for service, pay all charges required thereby and obtain approval of the District prior to accepting such service. Customer may also be required to obtain approval of service changes from the Town of Truckee Building Department or the State of California.

**7.12.030 New Construction and Upgrades**

**7.12.030.1** Applications for new construction and upgrades shall be processed as outlined below:

Line Extension or Facility Upgrade	Administrative Action Required		Type of Agreement Required
	General Manager	Board of Directors	
Under \$400,000	X		Development Agreement
Over \$400,000		X	Development Agreement
Note: The dollar amounts refer to the total value of on-site improvements being installed by the developer to be conveyed to the District for ownership operation and maintenance. This does not apply to existing panel upgrades.			

**7.12.030.2** The applicant shall be responsible for the costs of trenching, backfilling, conduit and other costs as may be outlined in individual development agreements in order to provide electric service for an electrical project.

**7.12.030.3** The General Manager shall develop operational methods for staff use to implement the intent of this policy.



**7.12.040 As-built Drawing Procedure** See also Section 5.01.027 regarding project documentation deposit and Appendix B for District Policy Regarding As-built Drawings.

## CHAPTER 7.16

### OWNERSHIP OF FACILITIES AND RIGHT OF ACCESS

#### Sections:

<b>7.16.010</b>	<b>General</b>
<b>7.16.020</b>	<b>Customer Responsibility for District Facilities</b>
<b>7.16.030</b>	<b>Customer Responsibility for Customer Facilities</b>
<b>7.16.040</b>	<b>Rights of Way, Rights of Access, Easements</b>
<b>7.16.050</b>	<b>Tree Trimming and Removal</b>

**7.16.010 General** All electric facilities installed on a customer's premises, including but not limited to conductors, transformers, poles, meters, etc., which are furnished by the District in order to render electric service, shall remain the sole property of the District. The customer shall record appropriate utility easements as required. The District shall have the right of access to the customer's premises without payment of any charge or rent, therefore at all reasonable hours for any purpose related to the furnishing of electric service, including but not limited to meter reading, testing, inspection, construction, maintenance, and repair of facilities. In the event a recorded easement does not exist, easements by prescription, also called prescriptive easements, still exist, and under California Law give the District the same rights as recorded easements for access to District Owned Property. Upon termination of access to the customer's premises, the District shall remove its facilities installed thereon.

**7.16.020 Customer Responsibility for District Facilities** The customer shall exercise reasonable care to prevent District facilities installed on their premises from being damaged or destroyed and shall refrain from tampering with such facilities. If any defect is discovered by the customer, they shall promptly notify the District.

**7.16.030 Customer Responsibility for Customer Facilities** The customer shall, at their sole risk and expense, furnish, install, inspect and keep in good and safe condition all electrical facilities required for receiving electric energy from the District, regardless of the location of the transformers, meters, or other equipment of the District. The customer shall be solely responsible for the transmission and delivery of all electrical energy over or through customer's wires and equipment, and for utilizing such energy, including all necessary protective devices, and the District shall not be responsible for any loss or damage occasioned thereby. All service switches and similar devices required in connection with a service and meter installation on customer's premises shall be furnished, installed and maintained by the customer in accordance with District specifications.

**7.16.040 Rights of Way, Rights of Access, Easements** The District shall be granted, at no cost, all rights-of-way, rights of access, and easements necessary to serve the customer for the installation, maintenance, repair, replacement, removal or use of any or all equipment or materials used to supply and deliver electric services including tree trimming and removal to the customer. The customer shall provide, at their expense, the appropriate legal easements to the District as required.

**7.16.040.1** In addition, the following shall apply:

**7.16.040.1(A)** No structures of any kind shall be constructed or permitted to be constructed, including landscaping features which could impede District access, within, over, or upon the easement area without written approval of the General Manager of the District.

**7.16.040.1(B)** The District shall have the right to enter a customer's property during reasonable hours to perform necessary functions such as meter reading, inspection, maintenance, repairs, testing, installation, or removal of the District's property. The customer shall be required to provide safe and timely access to the District.

**7.16.040.1(C)** When meters are located inside a building or "meter room", the room shall have a doorway that opens to the outside of the building. Meter rooms without direct access to the outside of a building are unacceptable. Meter rooms may be locked so long as the customer provides the District with independent access to the room. Consequently, the meter room shall be locked in one of the following ways:

- Using a double-lock arrangement, provided by the customer, with one lock for the customer and one lock for the District.
- Using a lock box, provided and installed by the District, to hold the customer's key. Customer shall be charged for the lock box.)

**7.16.040.1(D)** When access to any of the District's facilities is impaired by the customer's actions, animals, trees, shrubs, changes of grades, fences, locked doors or other obstructions, the District will notify the customer and/or property owner of the impairment to access. The customer is responsible for safely resolving the impairment or eliminating the interference preventing timely access to the District's facilities.

**7.16.050 Tree Trimming and Removal** The District shall be granted all necessary rights-of-way and rights of access to perform removal and trimming of trees, shrubs, vines or other vegetation it deems prudent to maintain proper clearances and accessibility for the maintenance and operation of all electric utility services, or as may be required by standard safe utility practices. The decision to trim or clear around District facilities shall be the exclusive right of the District. Refer to Tree Trimming Operating Procedures for detailed procedures.

## CHAPTER 7.20

### TEMPORARY SERVICE

#### Section:

#### 7.20.010 Conditions

#### 7.20.010 Conditions

**7.20.010.1** The District will supply temporary service to customers under the following conditions:

**7.20.010.1(A)** Where temporary service is not intended to transfer to that of a permanent status, the applicant will be required to pay to the District in advance, the estimated cost of installing and removing the facilities required, as determined by the District. The applicant shall be required to place a deposit in accordance with the District's rules and regulations.

**7.20.010.1(B)** Where temporary service is for the purpose of construction and the service will ultimately transfer to permanent single phase, the customer shall be required to pay applicable connection and facilities fees for permanent service.

**7.20.010.1(C)** Where temporary service is for the purpose of construction and the service will ultimately transfer to permanent three phase, the customer shall be required to pay applicable connection and facilities fees for temporary service. In order to establish permanent service, the customer will be required to pay the actual cost for the permanent service connection and facilities fees as established by the District.

**7.20.010.2** Temporary services existing for longer than one year will be required to pay applicable facilities fees. At a later date, if the temporary service becomes permanent, those facilities fees will be considered paid. Additional fees will be charged if the panel size increases.

**7.20.010.3** Temporary services existing for longer than five years must be transferred to permanent service.

**7.20.010.4** Temporary services that are requested to remain once the permanent service has been installed will require an additional account. There shall be a new account set up fee billed and additional material and labor costs may be charged pursuant to the Miscellaneous Fee Schedule.

#### CHAPTER 7.24 - Moved to Section 5.09

## CHAPTER 7.28

### REFUSAL TO SERVE

#### Sections:

<b>7.28.010</b>	<b>Conditions</b>
<b>7.28.020</b>	<b>Notification</b>

**7.28.010 Conditions** The District may refuse to provide electric service under the following conditions:

**7.28.010.1** If the applicant, customer, or owner of serviced premises fails to comply with any of the District's rules and regulations.

**7.28.010.2** If the intended use of the service is of such a nature that it will be detrimental or injurious to the District's electric distribution system, its customers, or the general public.

**7.28.010.3** If, in the judgment of the District, the applicant's installation of wiring for utilizing the service is unsafe, hazardous, or of such nature that satisfactory service cannot be rendered.

**7.28.010.4** Where service has previously been disconnected to such applicant for fraudulent use.

**7.28.010.5** If the service sought to be provided would result in a sub-standard supply of electricity or voltage, as determined by the District.

**7.28.020 Notification** When an applicant has been refused service under the provisions of this rule, the District shall notify such applicant promptly of the reasons for the refusal to serve and the corrective action to be taken by such applicant before service will be provided.

## CHAPTER 7.32

### CUSTOMER GENERATION

#### Sections:

<b>7.32.010</b>	<b>General</b>
<b>7.32.020</b>	<b>Standby Generation (Non-Parallel Operation)</b>
<b>7.32.030</b>	<b>Net Metering (Parallel Operation)</b>
<b>7.32.040</b>	<b>Cogeneration (Parallel Operation)</b>

**7.32.010 General** The following requirements apply to customer generation facilities designed to operate isolated from the District's system (non-parallel operation) and

directly connected to the District's electrical system (parallel operation). Detailed requirements and specifications for various types and sizes of customer facilities shall be obtained from the District prior to installation.

**7.32.020 Standby Generation (Non-Parallel Operation)** The Customer may install a standby generator to supply all or part of their load in the event of a service interruption. The customer's wiring shall be arranged so as to prohibit the parallel connection of the customer's alternate source of supply with the District's system. This shall require the installation of a double-throw switch or its equivalent which prevents interconnection to the District's system. The customer must notify the District and provide electrical details of generator installation and isolation from the District's system prior to construction and installation work. The District shall inspect customer facilities prior to use by the customer. The installation of a closed transition switch will require prior approval by the District.

**7.32.030 Net Metering (Parallel Operation)** Prior to the installation of any auxiliary generation facilities (e.g. wind turbine, solar panel, etc.) for net-metering, the customer shall notify the District to obtain approval. The customer shall be required to enter into an agreement for net metering. Additional information and requirements can be found in the District's "Ordinance No. 2008 – 06 Adopting Schedule NM, - Net Metering" and "Interconnection Agreement for Net Energy Metering" documents.

**7.32.040 Cogeneration (Parallel Operation)** Cogenerators are defined as facilities that produce electrical energy and utilize the heat energy by-product for other purposes (e.g., heating or cooling). The customer shall notify the District prior to the installation of this equipment in order to provide design information and obtain approval for connection of the equipment to the District's facilities.

## CHAPTER 7.40

### RESALE OF ELECTRICITY

#### Section:

#### 7.40.010 Resale of Electricity

#### 7.40.010 Resale of Electricity

**7.40.010.1** Customers shall not resell any of the electricity received from the District unless there is advance written permission from the General Manager.

**7.40.010.2** Customers shall not deliver electricity to premises other than those specified in the customer's application for service, unless written permission of the District is obtained in advance.

## CHAPTER 7.44

### POWER POLES

#### Section:

#### 7.44.010 Signs/advertising on Power Poles

**7.44.010 Signs/advertising on Power Poles** It is a misdemeanor for any person to place or maintain any signs or other advertising upon the power poles within the District.

(Penal Code 556.1)

## CHAPTER 7.45

### ELECTRIC SYSTEM MASTER PLAN

#### Sections:

- 7.45.010 General
- 7.45.020 Facility Construction
- 7.45.030 Facility Fees

**7.45.010 General** In order to be in a state of readiness to serve electric energy to customers of the District, the District shall prepare and maintain an Electric System Master Plan which shall analyze growth trends, zoning, land uses, approved subdivisions and projects, existing electric system facilities and the need for improvements to the electric system. The Master Plan also serves as a blueprint for the orderly expansion of the District's electric system to accommodate growth and development of areas served by the District. The General Manager shall cause such a Master Plan to be prepared and reviewed every five years and shall submit said plan to the Board of Directors for review, discussion, modification and formal adoption.

**7.45.020 Facility Construction** Based on the adopted Electric System Master Plan, the District shall construct, within the limits of funding sources available and as approved by the Board of Directors, the basic backbone facilities required to serve electric energy to the customers of the District. Backbone system facilities shall include substations, main feeder lines and tie lines that have as their purpose to provide adequate capacity and service reliability.

**7.45.030 Facility Fees** Master Plans shall be used as the basis to evaluate the District's electric Facility Fees. The Facility Fee is an implementation of California Government Code 66000 et seq., commonly referred to as AB1600. This Government Code section provides the mechanism by which the District shall establish fees on new development for electric system improvements attributable to new development. The General Manager shall review and modify Facility Fees in accordance with the Master Plan and shall submit said fees to the Board of Directors for review, discussion, modification and formal adoption.

## CHAPTER 7.46

### ELECTRIC SYSTEM LINE EXTENSIONS

#### Sections:

<b>7.46.010</b>	<b>General</b>
<b>7.46.020</b>	<b>Conditions</b>
<b>7.46.030</b>	<b>Cost Sharing</b>

**7.46.010 General** A Line Extension is an addition or modification of electrical equipment and/or an increase in the size or length of the District's existing electrical facilities to serve new customer electric load within the District's service area. Facilities will be extended to provide service in accordance with District's Policies and Electric System Construction Standards. Each line extension shall be subject to evaluation as to feasibility, permanence, and compatibility with the District's system. Final determination as to specific conditions applicable to the extension, including type of construction, availability of voltage and phase, route, equipment location and other design details shall be made solely by the District. Customer compliance with District's Policies and Electric System Construction Standards are a condition of service. The Customer is required to sign a Development Agreement for any proposed Line Extension and pay all applicable Fees.

**7.46.020 Conditions** Any person or firm who is developing property within the service territory of the District, where an extension of the District's distribution tap lines or backbone system is required, shall make application for such electric system extension to the District Electric Department.

**7.46.020.1** The applicant shall enter into a Development Agreement with the District which shall outline the terms and conditions specific to the project.

**7.46.020.2** All costs associated with the extension of electric service shall be at the expense of the applicant and shall be in accordance with the Development Agreement. These costs include District labor, materials and fees. Costs also include those costs associated with construction and installation of trenches, conduits, vaults, roads and other civil improvements necessary for receiving and installing electric facilities. All electric facilities installed, hereunder, shall be and remain the property of the District.

**7.46.020.3** New Construction of the District's electric system shall be built only along roads or highways and upon private lands across which satisfactory easements, encroachment permits and/or rights of way have been obtained for the benefit of the District.

**7.46.020.4** The installation of a line extension does not alleviate the applicant from payment of Facilities Fees or Connection Fees.

**7.46.030 Cost Sharing** When a customer/developer has contributed to the construction of the District's electric system facilities and subsequent development is connected to or benefits from said facilities, the costs shall be shared based on benefits and the amount realized shall be collected from said subsequent development, subject to the following:

**7.46.030.1.** This condition shall remain in effect for a period of ten years from the date of acceptance of the facilities by the District. For projects where the total amount eligible for reimbursement is less than \$5,000, no reimbursement agreement will be executed.

**7.46.030.2.** Cost shares shall be calculated based on that portion of the line to be used by the additional Customer and on the resulting total number of Customers served by the line segment in question. For overhead lines, cost sharing shall be on a per-pole basis; for underground lines, sharing shall be on a per-foot basis. Sharing of monies collected shall be based on the number of users of each segment of line who are still eligible for cost sharing refunds.

**7.46.030.3.** Cost subject to sharing includes monies paid to the District for District construction labor and materials per the executed Electric Development Agreement. No adjustments to the amount eligible for reimbursement shall be made for the effects of inflation (or deflation).

**7.46.030.4** Upon completion of the construction, the District shall provide final documentation to the applicant of the total amount eligible for reimbursement. When subsequent parties who owe money through reimbursement request service from the District, the amount owed shall be paid to the District. The District shall then pay the appropriate amount to the individuals who are the owners of record of the project APN on the date that the subsequent parties are connected. Each subsequent party shall be subject to an administrative charge to cover administrative duties associated with the reimbursement.

## **CHAPTER 7.48**

### **ELECTRIC SYSTEM CONSTRUCTION STANDARDS**

#### **Sections:**

- 7.48.010      Underground Facilities Policy**
- 7.48.020      Underground Electric Supply (GO 128)**
- 7.48.030      Overhead Electric Lines (GO 95)**
- 7.48.040      Construction Information Booklets**
- 7.48.050      District-Owned Plug-In Electric Vehicle (PEV)  
Public Access Charging Stations**

**7.48.010 Underground Facilities Policy** It shall be the policy of the District to require all new or rebuild construction to be placed underground. Special circumstances may dictate undergrounding is not practical and the District reserves the right to make the final determination. The installation of overhead secondary electrical facilities to serve single-



family dwellings, within an existing overhead subdivision, shall be permitted. All multi-family dwellings, commercial buildings and land parcels that are to be divided into four or more individual lots, shall require the installation of underground facilities regardless of location. It is the customer/developer responsibility to comply with respective City, Town, County or other governing agencies that may have more stringent standards regarding underground utility installations.

#### **7.48.020 Underground Electric Supply**

**7.48.020.1** General Order No. 128 of the Public Utilities Commission of the State of California, promulgating and providing rules for underground electric line construction, as amended, is hereby declared to be the minimum and standard requirement for all underground electric line construction and reconstruction hereafter done by, for, or on behalf of the District, as well as for any such construction hereafter accepted or to be accepted into the District system.

**7.48.020.2** The adoption of General Order No. 128 shall apply in the future to any and all amendments as may hereafter be ordered by the Public Utilities Commission, and an up-to-date, true and correct copy of said order and rules, with future amendments, shall be kept at the District office at all times.

**7.48.020.3** The requirements of said General Order No. 128 shall hereafter be referred to in all bids, plans, specifications and contracts for work done by, for, or on behalf of the District, as well as to construction or reconstruction hereafter to be accepted into the District system.

#### **7.48.030 Overhead Electric Lines**

**7.48.030.1** General Order No. 95 of the Public Utilities Commission of the State of California contains the minimum and standard requirements for all overhead electric line construction and reconstruction hereafter done by or on behalf of the District, as well as for any such construction hereafter to be accepted in the District system.

**7.48.030.2** The adoption of General Order No. 95 shall apply in the future to any and all amendments as may hereafter be ordered by the Public Utilities Commission, and an up-to-date, true and correct copy of said order and rules, with future amendments, shall be kept at the District office at all times.

**7.48.030.3** The requirements of said General Order No. 95 shall hereafter be referred to in all bids, plans, specifications and contracts for work done by, for, or on behalf of the District, as well as to construction or reconstruction hereafter to be accepted in the District system.

#### **7.48.040 Overhead Optical Communications Cable**

**7.48.040.1** The National Safety Electric Code (NESC) provides the minimum and standard requirements for the installation and construction of District owned and maintained optical communication cable located in the electric (supply) space of overhead electric distribution lines. The NESC is published by the Institute of Electrical

and Electronics Engineers (IEEE) and is also a recognized American National Standards Institute (ANSI) standard.

**7.48.040.2** The adoption of the NESC shall apply in the future to any and all amendments and revisions as may hereafter be ordered by IEEE and/or ANSI, and an up-to-date, true and correct copy of said standard shall be kept at the District office at all times.

**7.48.040.3** The requirements of said NESC shall be referred to in all bids, plans, specifications and contracts for work done by, for or on behalf of the District, as well as to construction or reconstruction hereafter to be accepted in the District system regarding District owned optical communication cable located in the electric (supply) space of overhead electric distribution lines.

**7.48.040.4** Third-party entities are specifically restricted from installing or constructing optical communication cable in the electric or supply space of the District's overhead electric distribution lines. The requirements of General Order No. 95 shall apply to any and all optical communication cable and/or any other type of communication cable not owned or maintained by the District.

**7.48.040.5** **Construction Information Booklets** The District shall periodically update its Contractor Construction Specifications and its New Construction Information Booklet. Copies of these booklets shall be made available for public review at the District offices or on the District's website [www.tdpud.org](http://www.tdpud.org).

**7.48.040.5** **District-Owned Plug-In Electric Vehicle (PEV) Public Access Charging Stations** These facilities shall be designed and constructed per District Code and industry standards.

## CHAPTER 7.52

### STREET AND SECURITY LIGHT SERVICE

#### Sections:

- 7.52.010 Definitions
- 7.52.010 Rates

#### 7.52.010 **Definitions**

**7.52.010.1** **Street lights** Street lights are those lighting systems installed along public and governmental corridors.

**7.52.010.2** **Security lights** Security lights are those lighting systems installed on private and commercial property.

#### 7.52.020 **Rates**

**7.52.020.1** The unmetered street/security light rate is listed in the Miscellaneous Fees Schedule. Street and security lights of the same wattage are charged the same rate.

**7.52.020.1(A)** All new street lights shall be metered.

**7.52.020.1(B)** The District shall no longer install new security lights.

**7.52.020.1(C)** The District intends to research and locate customers and owners of record for each street/security light and assign appropriate billing. If there is no corresponding customer or owner of record, the street/security light may be removed.

## **CHAPTER 7.56**

### **SERVICE CONNECTIONS**

#### **Sections:**

<b>7.56.010</b>	<b>General</b>
<b>7.56.020</b>	<b>Underground Services</b>
<b>7.56.030</b>	<b>Overhead Services</b>
<b>7.56.040</b>	<b>Meter Requirements</b>
<b>7.56.050</b>	<b>Primary Voltage Supply</b>

#### **7.56.010 General**

**7.56.010.1** A Customer, before proceeding with the wiring or installation of equipment, shall request a determination of the availability of electric service from the District. The District will advise the Customer of the most suitable phase and voltage available on established circuits. Nominal secondary delivery voltages supplied by the District are as listed in Section 7.04 of these Regulations.

**7.56.010.2** The District will only energize service connections after it has been determined that District's Electric System Construction Standards have been complied with and the Customer's electrical equipment/installation has been approved by the Town of Truckee or other county or state Electrical Inspectors.

**7.56.010.3** For specific construction information, customer should reference District's Electric System Construction Standards (See Section 7.48).

**7.56.010.4** The District is not obligated to serve any customer who fails to implement and complete all of the District's requirements for service.

**7.56.010.5** If District personnel see that a meter socket and/or service are in need of repair and not being repaired, then the District shall inform the customer of the problem, and a time limit of 30 days shall be given to the customer to make corrections.

**7.56.010.5(A)** If the problem is not corrected within the time limit, the customer may be

disconnected.

**7.56.010.5(B)** The District reserves the right to shorten this time period if a safety problem exists.

### **7.56.020 Underground Services**

**7.56.020.1** Underground service facilities at secondary voltages:

In areas supplied by the District's overhead facilities, where the District's existing distribution pole line is located, and at a distance not to exceed 125 feet to the customer's premises, the District will furnish and install into the customer's trench and conduit, cable from the existing distribution pole line to the customer's service entrance. Service connections of District installed cable shall be made by District personnel. For distances over 125 feet or for commercial services, the customer shall be charged actual costs for materials and labor. The customer shall be charged a fee as specified in the District's established connection charges.

**7.56.020.2** At the time of application for electric service, the customer will provide the District with a set of plans for the project. District staff will indicate on the plans the approved placement of the electric panel. The District reserves the right to refuse service to any customer not complying with the approved location.

**7.56.020.2(A)** The trench, conduit and backfill shall be furnished by the customer at their expense from a place on the building designated by District personnel to a place on the pole or at the splice box also designated by District personnel. The District will provide, at the customer's expense, the secondary splice box should one be required.

**7.56.020.2(B)** All required trench clearances shall be maintained per California General Order No. 128, unless superseded herein.

**7.56.020.3** Service Conduit Requirements:

**7.56.020.3(A)** Refer to District's Electric Construction Standards for size and type of conduit.

**7.56.020.3(B)** Minimum size acceptable to the District of underground conduit shall be 3" for a single phase panel.

**7.56.020.3(C)** Water pipe or water pipe fittings are not permitted.

**7.56.020.3(D)** The conduit shall be one continuous length, with no sweeps or bends from the ground line to the meter socket.

**7.56.020.3(E)** The service conduit shall be supplied and installed by the customer.

**7.56.020.3(F)** Separate living units such as apartments, condos, townhouses, etc. located on the same premises shall be served by a maximum of one conduit from any

one of the District's poles. In no case shall there be more than two electric conduits on any one of the District's poles.

**7.56.020.3(G)** The District may elect to provide one conduit on the pole, connected to a splice box located on the property line of two adjacent lots. In this instance, customers of affected lands must make conduit runs to the splice box and not the pole.

**7.56.020.4** If a pole is needed as a result of not being able to trench, bore, or obtain the necessary permits for a road crossing, the District will install the riser pole and necessary hardware and anchors. The customer shall pay to the District all actual costs for the District to install the pole to include the cost of the pole, hardware, anchors, labor and overheads. The District will be responsible for the riser on the pole (with the exception of the first 10 feet) and the span of secondary conductor between the distribution system and the riser pole if within the 125 foot limit as referenced in Section 7.56.020.1. If the customer's service entrance is greater than 125 feet from the distribution system, the customer will pay to the District, in addition to the charges referenced in this section, the fee for additional footage as referenced in Section 7.56.020.1.

**7.56.020.4(A)** Said pole shall be of sufficient height to provide the District's conductors a legal clearance above the roadway.

### **7.56.030 Overhead Services**

**7.56.030.1** Overhead service facilities, at secondary voltage, 480 volts or less:

In areas supplied by the District's overhead facilities, where the District's distribution pole line is located on a street, highway, lane, alley, or private easement immediately contiguous and at a distance not to exceed 200 feet to the customer's premises the District will, in accordance with the established service connection charges, furnish and install a service drop from its pole line to a point of attachment determined by District personnel, on the customer's building or other permanent support; said support shall be provided by customer. Connection made at the weatherhead connecting the District's service line to the customer's service line shall be made by District personnel. For distances over 200 feet, the customer shall be charged actual costs for labor and materials.

**7.56.030.1(A)** At the time of application for electric service, the customer will provide the District with a set of plans for the project. District staff will indicate on the plans the approved placement of the electric panel. The District reserves the right to refuse service to any customer not complying with the approved location.

**7.56.030.2** Permanent Overhead Service Requirements:

**7.56.030.2(A)** No periscope of service conduit through roof will be permitted with the following possible exceptions:

**7.56.030.2(A)(1)** A round or octagonal shaped building with a corresponding shaped roof.

**7.56.030.2(A)(2)** A building with a flat roof designed to roll water and carry the weight of snow.

**7.56.030.2(A)(3)** It is the customer's responsibility to check first and obtain written approval of any exceptions to this rule.

**7.56.030.2(B)** The required ground clearances for conductors shall be maintained per District Standard.

**7.56.030.2(C)** Customer shall furnish and install an approved rain-tight service or weatherhead at a point suitable for connecting the customer's service entrance conductors to the District's conductors.

**7.56.030.2(D)** The point of attachment must be located as designated by District personnel.

**7.56.030.2(E)** Eye bolts or equally secured means are required for the support of the service drop. Eye bolts or clevises will be supplied by the District, but must be installed through a minimum of 2" x 4" backing. Lag screws are not permissible.

**7.56.030.2(F)** Customer shall leave a minimum of 18" of conductor protruding beyond the weatherhead of an overhead service.

#### **7.56.040 Meter Requirements**

**7.56.040.1** The Customer shall be required to supply, install, and maintain meter mounting equipment of a type acceptable to the District. Requirements for meter equipment, clearances, and locations are contained in Section 7.72 of these Regulations and the District's Electric System Construction Standards.

#### **7.56.050 Primary Voltage Supply**

**7.56.050.1** Primary voltage supply to customer's premises:

By means of underground facilities wherever in the District's judgment it is practicable to do so, the District, at customer's expense, will construct a primary voltage supply line from its distribution facilities to a termination point installed on the customer's premises in accordance with Section 7.46 of these Regulations.

**7.56.050.1(A)** Notwithstanding the provisions of Section 7.72.060, if the District initiates the rebuild of a portion of existing overhead distribution facilities by placing said facilities underground, resulting in the requirement to modify the service panels of the customers served thereby, the District may, based on special circumstances present, pay for all or a portion of the costs of modification of the customer service panels and related equipment.

**7.56.050.1(B)** The General Manager of the District shall have the sole authority to authorize payment on the part of the District for conversion of customer service panels and related equipment under Section 7.56.050.1(A). The General Manager's approval

concluding that unique circumstances are present in this matter such that it is in the public interest and benefits the District to pay for all or a portion of the cost of conversion of the customer service panels and related equipment.

**7.56.050.1(C)** In judging whether there are unique circumstances present which justify a finding that it is in the public interest and serves the public good for the District to pay for all or a portion of the cost of converting customer service panels and related equipment, the General Manager may consider matters relating to public safety, historic preservation, District operation and maintenance costs, and any other matter that the General Manager deems appropriate.

## **CHAPTER 7.60**

### **HAZARDOUS MATERIALS**

#### **Section:**

#### **7.60.010 Handling Hazardous Materials**

**7.60.010** Please refer to the District Safety Manual for procedures for handling Hazardous Materials.

## **CHAPTER 7.64**

### **NET METERING**

#### **Sections:**

#### **7.64.010 Net Metering Applicability, Territory, Rates**

#### **7.64.020 Net Metering Special Conditions**

#### **7.64.010 Net Metering Applicability, Territory, Rates**

**7.64.010.1** Applicable to residential or commercial customers eligible for service where a part or all of the electrical requirements of the customer can be supplied from a solar or wind power production source owned and operated by the customer, where such source is connected for parallel operation with the service of the District and where such source is located on the customers premises and is intended to offset part or all of the customers electrical requirements.

**7.64.010.1(A)** This schedule provides rates, terms and conditions for the sale of energy by the District. Prices, terms and conditions for the purchase of net energy transmitted by the customer to the District are included herein for reference only. Such prices, terms and conditions and the terms of inter-connection and parallel operation are outlined in the generation agreement required for service under this tariff. The purpose of this tariff is to facilitate terms of service to customers with solar or wind power production systems of

not more than one megawatt.

**7.64.010.1(B)** Applicability of this tariff does not extend to customers whose solar or wind power production source exceeds 1000 kilowatts or one megawatt.

**7.64.010.2 Territory** The entire area served by the District's electric system.

### **7.64.010.3 Rates**

**7.64.010.3(A)** Customer charge-Same as applicable residential or commercial customer charge.

**7.64.010.3(B)** Energy charge-On the residential or commercial energy rate applicable to that customer.

**7.64.010.3 (C)** Net energy credit-All kilowatt-hours, per kilowatt-hour — the net energy credit will be computed at a rate for payment equal to the monthly average non-firm energy price the District pays during the applicable billing month.

### **7.64.020 Net Metering Special Conditions**

**7.64.020.1 Generation Agreement** A generation agreement with the customer is required for service under the schedule.

**7.64.020.2** For eligible residential and small commercial customer-generators, the net energy metering calculation shall be made by measuring the difference between the electricity supplied to the eligible customer-generator and the electricity generated by the eligible customer-generator and fed back to the electric grid over a 12-month period. The following rules shall apply to the annualized net metering calculation:

**7.64.020.3(A)** The eligible customer-generator account shall, at the end of the 12-month period following the date of final interconnection of the customer-generator's system with the District, and at each anniversary month thereafter, be evaluated and reconciled for electricity used or generated during that period. The District will determine if the customer-generator was a net consumer or a net producer of electricity during that period.

**7.64.020.3(B)** This evaluation and reconciliation for electricity used or generated may be standardized by the District for the 12 month billing period ending with the March billing, rather than using each customer's respective anniversary month.

**7.64.020.3(C)** At the end of each 12-month period, where the electricity supplied during the period by the District exceeds the electricity generated by the customer-generator during that same period, the customer-generator is a net electricity consumer and the District shall be owed compensation for the customer-generator's net kilowatt-hour consumption over that same period. The compensation owed for the customer-generator shall be calculated as follows:



The net balance of moneys owed to the District shall be paid in accordance with the normal billing cycle. If the customer-generator is a net producer over a normal billing cycle, any excess kilowatt-hours generated during the billing cycle shall be carried over to the following billing period as kilowatt-hour credits according to the procedures set forth in this section, and appear as a credit on the customer-generator's account. This credit may be utilized in the following billing cycle if the customer is a net consumer during that cycle. If the customer is a net generator at the end of each 12-month period, then (3) of schedule D-NM: Domestic-Net Metering in Appendix D shall apply.

**7.64.020.3(D)** At the end of each 12-month period, where the electricity generated by the customer-generator during that 12-month period exceeds the electricity supplied during that same period, the customer-generator is a net electricity producer and the District shall retain any excess kilowatt-hours generated during the prior 12-month period. The customer-generator shall be compensated by the District for the excess kilowatt-hours generated at its annual average non-firm energy price the District pays during the prior 12-month period.

**7.64.020.3(E)** If a customer-generator terminates the customer relationship with the District; the District shall reconcile the customer-generator's consumption and production of electricity during any part of a 12-month period following the last reconciliation and shall apply only the months since the most recent 12-month reconciliation.

## CHAPTER 7.68

### ILLEGAL USE OR DIVERSION OF ELECTRICITY

#### Section:

#### **7.68.010     Illegal Use or Diversion of Electricity**

#### **7.68.010     Illegal Use or Diversion of Electricity**

**7.68.010.1** When the General Manager determines that a customer or other person or entity has received unmetered electric service, or when the General Manager determines that a customer or other person or entity has caused electric service to be improperly or inaccurately metered, the District shall render bills for such service, including administrative costs, based upon its reasonable estimate of the service actually furnished for the full period during which the service was unmetered or improperly metered.

**7.68.010.2** The customer will be held liable for District's facilities located on their property which are tampered with regardless of who did the tampering.

**7.68.010.3** The District may disconnect service without notice or refuse service, if the customer's actions or the condition of his/her premises is such as to indicate intent to defraud the District.

**7.68.010.4** In the event electric service is disconnected due to illegal use or diversion of electricity, all costs associated with restoring electric service to a property will be the

responsibility of the customer or the party requesting to have the electric service restored.

**7.68.010.5** The customer is responsible to restore their service to its original state pursuant to the District's Policies and Electric System Construction Standards prior to the District reconnecting service. The customer may be required to have their service re-inspected by the Town of Truckee or the appropriate agency in which the property is located prior to reconnection. In addition, the District will perform its own inspection to verify the diversion has been corrected.

**7.68.010.6** When the General Manager determines that a violation of the California Penal and/or Civil Codes having to do with unauthorized use of electricity with intent to defraud, tampering with electric meter with intent to defraud, malicious interference or connection with electric line, or malicious interference or obstruction with electric line may have occurred, the General Manager shall contact the appropriate County Sheriff's Office, Town of Truckee Police Department or appropriate County District Attorney's Office, and inquire concerning the feasibility of filing criminal charges against the person or entity suspected of violating any of such Penal and/or Civil Code sections. If, after such inquiry, the General Manager determines that it is in the best interest of the District to file such criminal charges, and that there is a reasonable possibility of successful prosecution of any such person or entity, then the General Manager shall, on behalf of the District, file criminal charges with the appropriate District Attorney's Office.

## CHAPTER 7.72

### METERING

#### Sections:

<b>7.72.010</b>	<b>General</b>
<b>7.72.020</b>	<b>Number of Meters</b>
<b>7.72.030</b>	<b>Service and Meter Standards</b>
<b>7.72.040</b>	<b>Meter Panel and Meter Locations</b>
<b>7.72.050</b>	<b>Customer Responsibility for District Facilities</b>
<b>7.72.060</b>	<b>Customer Responsibility for Customer Facilities</b>
<b>7.72.070</b>	<b>Standard of Meter Accuracy</b>
<b>7.72.080</b>	<b>Meter Tests</b>
<b>7.72.090</b>	<b>Meter Errors</b>
<b>7.72.100</b>	<b>Non-registering Meters</b>

**7.72.010 General** All electricity supplied by the District shall be measured by wattmeter. Registration shall be in kilowatt-hours for general usage and billing, and kilowatts for demand billings. For billing purposes, all meters located on the customer's premises will be billed separately and the readings thereof shall not be combined unless the District determines that a combined reading will result in an operating convenience. The owner of the property shall be responsible for tenant disputes resulting from improperly marked services or revised wiring.

#### **7.72.020 Number of Meters**

**7.72.020.1** The cost of each meter installation shall be paid by the customer prior to installation according to the District's rate schedule.

**7.72.020.2** For a residence or business, one (1) meter per service or building shall be installed.

**7.72.020.3** For apartments, condominiums, townhouses, and other multiple dwelling units, one meter per unit, apartment, condominium, etc. shall be installed. Said meters shall be grouped together at one common location on the building per District standards.

**7.72.020.4** For multiple businesses, offices, or commercial buildings, the original installation shall be one meter per unit and the building(s) shall be so wired. Said meters shall be grouped together at one common location on the building per District standards.

Subsequent enlargement or restriction of the original area(s) which does affect the electrical metering shall be handled in one of the following ways:

**7.72.020.4(A)** Any subsequent remodeling of commercial buildings wherein complete unit(s) are added to a business, the customer/owner shall have the following options:

**7.72.020.4(A)(1)** The meter(s) for the additional unit(s) may be connected in the customer/owner's name. Section 7.72.010 shall prevail for the billing of each meter including separate minimums.

**7.72.020.4(A)(2)** The customer/owner may rewire, at their expense, so that the additional unit(s) are all combined under one meter.

**7.72.020.4(B)** Any subsequent remodeling of commercial buildings wherein unit(s) are divided and occupied by two or more customers, the customer(s) will be required to rewire, at their expense, so that the partial unit(s) are metered separately or combined with another meter serving the customer(s). Refer to Section 7.72.020.4(A)(2). **NO SPLIT BILLS WILL BE RENDERED BY THE DISTRICT.**

**7.72.020.5** For structures with mixed residential and commercial tenants, all residential units must be metered individually.

**7.72.020.6** For residential or commercial units that share electrical wiring such that usage for one unit is being metered through the meter for another, the District reserves the right to transfer the services for these units into the owner's name until such time as the problem is corrected and each unit is metered appropriately.

**7.72.020.7** The District is not obligated to serve any customer who builds with exceptions to Section 7.72.020.3 and/or 7.72.020.4 above unless the customer obtains written approval from the District prior to building.

**7.72.030 Service and Meter Standards** - The District has adopted for its own standards the standards set forth by the Electric Utility Service Equipment Requirements Committee (EUSERC), of which the District is a member in good standing.

**7.72.040 Meter Panel and Meter Locations**

**7.72.040.1** All meters shall be installed by the District upon the customer's premises in a location marked out and approved by the District and such location shall at all times be kept accessible for meter reading, testing, inspection, and meter connects and disconnects.

**7.72.040.2** If such location becomes inaccessible, the customer shall be asked in writing to correct the problem within a 30 day period. If the inaccessibility continues beyond this period the District may disconnect service to that customer until such time as the customer corrects the problem or meets the District's standards for service and/or meter locations.

**7.72.050 Customer Responsibility for District Facilities**

**7.72.050.1** Any and all meters and meter accessories located on the customer's premises remain the property of the District. Therefore, the customer shall exercise reasonable care to prevent such facilities from being damaged or destroyed and shall refrain from tampering with such facilities. If any defect therein is discovered by the customer, he shall promptly notify the District.

**7.72.050.2** The customer will be held liable and may be responsible for applicable fees for District's facilities located on their premises which are damaged or destroyed regardless of who did the damage or destruction.

**7.72.050.3** The customer will be held liable for District's facilities located on their premises which are tampered with regardless of who did the tampering.

**7.72.050.4** The District holds the integrity of its seals, meter ring and/or meter accessories in high esteem; therefore, any effort by any unauthorized person, whether qualified or not, to cut, remove, modify, distort, bend, or otherwise damage or destroy its seals, meter ring and/or meter accessories shall be viewed by the District as an attempt to tamper with the District's facilities.

**7.72.050.4(A)** On any service which Section 7.72.050.4 above is found to have taken place, the meter shall be removed and inspected and, if no further tampering is noted, the meter shall be returned to the socket and resealed. The customer shall then be notified of the condition as found and of the District's policies relating to meter seals, charges and meter tampering.

**7.72.050.4(B)** Subsequent discovery of the above conditions with the same customer at the same or a different location, shall result in the implementation of the Miscellaneous Fees Schedule.

**7.72.050.4(C)** If, during the removal and inspection as noted above, it is further discovered that the seal sealing the glass or polycarbonate cover to the meter base has been cut, removed, modified, distorted, bent or other wise damaged or destroyed, said meter will be removed from further service until tested and accuracy recalibrated. Another meter and a locking meter ring shall be installed. A fee as shown on the Miscellaneous Fees Schedule to cover the cost of testing and recalibration of the meter

may be charged to the customer.

**7.72.050.5** In the absence of a customer, Section 7.72.050 shall apply to the property owner.

**7.72.060 Customer Responsibility for Customer Facilities** The customer shall at their sole risk and expense furnish, install, inspect and keep in good and safe condition all electrical facilities required for receiving electric energy from the lines of the District, regardless of the location of the transformers, meters, or other equipment of the District, and for utilizing such energy, including all necessary protective devices and suitable housing thereof. The customer shall be solely responsible for the transmission and delivery of all electrical energy over or through the customer's wires and equipment. The District shall not be responsible for any loss or damage occasioned thereby.

All main switches, circuit breakers, fuses and similar devices required in connection with a service and meter installation on a customer's premises shall be furnished, installed and maintained by the Customer. Any of the aforementioned devices shall be Underwriter Laboratory approved.

**7.72.060.1** In the absence of a customer, Section 7.72.060 shall apply to the property owner.

**7.72.070 Standard of Meter Accuracy**

**7.72.070.1** The District recognizes the State of California approved minimum of 2% slow to a maximum of 2% fast before any recalculation of billing will take place.

**7.72.070.2** Meters tested and recalibrated in the District's facility shall leave that facility at the highest possible degree of accuracy the facility is capable of producing. However, in no case will a meter be less than 99.7% nor more than 100.3% when taken from the test bench.

**7.72.070.3** The District's meter standard(s) shall be tested annually by an Independent Contractor.

**7.72.070.4** All meters returned from service, regardless of the reason, shall be tested and recalibrated before being returned to service.

**7.72.080 Meter Tests**

**7.72.080.1** Any customer may request the District to test the meter serving their premises. Customer requested tests shall be performed as quickly as possible. No notice of time of testing will be sent to the customer unless he/she specifically requests such notice at the time of their original request for a test.

**7.72.080.2** All mechanical meters brought in for testing, trouble-shooting or high bill inquiries shall be replaced by digital meters. Digital meters shall have an accuracy of 0.1% or less on test runs.

**7.72.080.3** Any customer who requests a meter test shall be charged a fee to cover the reasonable cost of the test in accordance with the Miscellaneous Fees Schedule if the meter has been tested within the last three years. The fee is refundable if the meter test result is more than 2% fast.

**7.72.090 Meter Errors**

**7.72.090.1** Where, in the opinion of the District, appropriate tests reveal that a meter is registering more than two percent (2%) fast, the District will refund to the customer the amount of the overcharge based on corrected meter readings for the period the meter was in use, but in no instance exceeding six (6) months.

**7.72.090.2** Where, in the opinion of the District, appropriate tests reveal that a meter is registering more than two percent (2%) slow, the District may bill the customer for the amount of the undercharge based on corrected meter readings for the period the meter was in use, but in no instance exceeding six (6) months.

**7.72.090.3** If it is discovered that an error has been made in reading a customer's meter or there has been a malfunction in the metering equipment, the District may correct the error by recalculating the charges back to the date such error occurred. If the date the error occurred cannot be clearly identified, the recalculation period shall not exceed six (6) months. The customer's account shall then be charged or credited for the amount determined. If the calculation results in a charge to the customer, the customer shall be given a reasonable period of time to pay the amount owed.

**CHAPTER 7.80**

**REPAIRS AND MAINTENANCE**

**Section:**

**7.80.010 Current and Ordinary Repairs and Maintenance**

**7.80.010 Current and Ordinary Repairs and Maintenance** The District hereby construes the terms "all current and ordinary repairs" and "current and ordinary upkeep or maintenance," as contained in Public Contract Code Section 20205.2, to include the repair, upkeep and maintenance of the entire District water and electrical distribution systems, to allow for routine extension and expansion of District electrical and water facilities to meet the increased demand placed on such systems by the growing needs of District customers, and to include minor and routine work which District staff is capable of performing. Such work shall include, but shall not be limited to, the following:

**7.80.010.1** Reconductoring

**7.80.010.2** Pole relocation(s)

**7.80.010.3** Routine pole replacement of broken or deteriorated poles, or where a size or height increase is needed.

**7.80.010.4** Electrical work on energized lines.

**7.80.010.5** Pulling of underground cable in conduit systems, and installation of overhead conductors and poles and associated equipment.

**7.80.010.6** The making of underground electrical splices and terminations.

**7.80.010.7** The installation of transformers, switches, regulators, reclosers, and related equipment that is either provided by a customer at the customer's expense or acquired by the District by competitive bidding procedure.

**7.08.010.8** The installation and maintenance of District-Owned Plug-In Electric Vehicle (PEV) Public Access Charging Stations and associated equipment.

The list set forth herein is not exclusive, and the District may determine that other similar types of work are included within the terms "current and ordinary repairs" and "current and ordinary upkeep or maintenance" as contained in Public Contract Code Section 20205.2.

## CHAPTER 7.83

### RENEWABLE PORTFOLIO STANDARD

#### Sections:

<b>7.83.010</b>	<b>Background</b>
<b>7.83.020</b>	<b>Objectives</b>
<b>7.83.030</b>	<b>Qualified Resources</b>
<b>7.83.040</b>	<b>Target</b>
<b>7.83.050</b>	<b>Strategies for Meeting Objectives</b>
<b>7.83.060</b>	<b>Ongoing Review</b>

#### **7.83.010** Background

**7.83.010.1** The State of California has an existing California Renewables Portfolio Standard Program (RPS program) that is intended to increase the amount of electricity generated each year from eligible renewable energy resources.

**7.83.010.2** On April 12, 2011, the Governor of the State of California signed California Senate Bill 2 of the First Extraordinary Session (SBX1-2, Chapter 1, Statutes of 2011, First Extraordinary Session), known as the *California Renewable Energy Resources Act*.

**7.83.010.3** On September 9, 2011, the California Legislature ended the First Extraordinary Session.

**7.83.010.4** SBX1-2 became effective on December 10, 2011, ninety-one days after the end of the First Extraordinary Session.

**7.83.010.5** SBX1-2 states the intent of the Legislature that the amount of electricity generated per year from eligible renewable energy resources be increased to an amount that equals at least 20% of the total electricity sold to retail customers in California per year by December 31, 2013, and 33% by December 31, 2020.

**7.83.010.6** Pursuant to the provisions of Public Utilities Code section 399.30(a), the District must adopt and implement a renewable energy resources procurement plan (hereinafter referred to as the “RPS Procurement Plan”) to fulfill unmet long-term generation resource needs, that requires the District to procure a minimum quantity of electricity products from eligible renewable energy resources, including renewable energy credits, as a specified percentage of the total kilowatt-hours sold to the District’s retail end-use customers each compliance period, to achieve specified procurement targets.

### **7.83.020 Objectives**

The District’s RPS Objectives

- Meet the intent of SBX1-2 to encourage renewable resources.
- Maintain reliable overall energy supply portfolio.
- Minimize adverse impact of acquiring new renewable energy resources on customer electric rates.

### **7.83.030 Qualified Resources**

The District’s Electric Qualified RPS Resources

- Renewable resources are defined as non-fossil fueled electric generating resources. These include resources that meet the definition of “Eligible renewable” pursuant to section 398.4(h) of the California Public Utilities code, which sets forth the requirements for power content labels:

Eligible renewable energy resources pursuant to the California Renewables Portfolio Standard Program (Article 16 (commencing with Section 399.11)), including any of the following:

- Biomass and biowaste (includes landfill gas)
- Geothermal
- Eligible hydroelectric (small hydro)
- Solar
- Wind
- Other categories as determined by the Energy Commission.

**7.83.030.1** The District has adopted and implemented, or will adopt and implement an RPS Procurement Plan that will include eligible renewable energy resources, defined pursuant to Public Utilities Code section 399.30 (i).



**7.83.030.2** The provisions of Public Utilities Code section 399.30(i) apply to the District since the DISTRICT was in existence before January 1, 2009, provides retail electric service to 13,167 customer accounts as of December 2011, and is interconnected to a balancing authority that is located outside the state of California (NV Energy) but within the Western Electric Coordinating Council.

**7.83.030.3** The District has adopted and implemented, or will adopt and implement, an RPS Procurement Plan that includes the minimum procurement requirements (Procurement Requirements) of eligible renewable energy resource electricity products associated with contracts executed after June 1, 2010 for each Compliance Period, consistent with Public Utilities Code section 399.30(c)(3) and section 399.16.

#### **7.83.040 RPS Target**

- At such time that projected resources do not exceed projected demand, the District will strive to include qualifying resources to meet projected demand.

**7.83.040.1** The District has adopted and implemented, or will adopt and implement, an RPS Procurement Plan that includes compliance periods (Compliance Periods) pursuant to Public Utilities Code section 399.30(b). Such Compliance Periods shall be January 1, 2011 to December 31, 2013, inclusive (Compliance Period 1), January 1, 2014 to December 31, 2016, inclusive (Compliance Period 2), January 1, 2017 to December 31, 2020, inclusive (Compliance Period 3), and each calendar year after 2020.

**7.83.040.2** The District has adopted and implemented, or will adopt and implement, an RPS Procurement Plan that includes specified procurement targets (Procurement Targets) of renewable energy resources for each Compliance Period pursuant to Public Utilities Code section 399.30(c)(1) and (2). Procurement Targets must average twenty percent (20%) of retail sales for the period January 1, 2011 to December 31, 2013, must meet twenty-five percent (25%) of retail sales by December 31, 2016, must meet thirty-three percent (33%) of retail sales by December 31, 2020, and must meet thirty-three percent (33%) of retail sales for all years thereafter.

**7.83.040.3** The District has adopted and implemented, or will adopt and implement, an RPS Procurement Plan that includes provisions that address a demonstration of reasonable progress in 2014 and 2015 to ensure the twenty five percent (25%) RPS procurement requirement by 2016, and reasonable progress in each of 2017, 2018, and 2019 to ensure the thirty three percent (33%) RPS procurement requirement by 2020, pursuant to Public Utilities Code section 399.30(c)(2);

#### **7.83.050 Renewable Portfolio Standard Procurement Plan**

Strategies for meeting RPS objectives:

- Public benefit funds may be used to implement projects and may be used to supplement the production projects.

- The District will strive to acquire small hydro electric from WAPA within the NV Energy control area.
- In the future, the District may contract for geothermal generation, landfill gas and wind generation backed by natural gas that can be delivered reasonably to the District.

**7.83.050.1** The District has adopted and implemented, or will adopt and implement, an RPS Procurement Plan that provides a definition for contract or ownership agreements originally executed prior to June 1, 2010 (Grandfathered Resources) consistent with Public Utilities Code section 399.16(d). Grandfathered Resources shall include any contract or ownership agreement originally executed prior to June 1, 2010 for resources that were RPS eligible under the rules in place when the contract was executed, and for which any subsequent contract amendments or modifications occurring after June 1, 2010 do not increase the nameplate capacity for the facility or expected quantities of annual generation, or substitute a different renewable energy resource; the duration of the contract may be extended if the original contract specified a procurement commitment of fifteen (15) or more years.

**7.83.050.2** The District has adopted and implemented, or will adopt and implement, an RPS Procurement Plan that includes rules for application of excess procurement (Excess Procurement) of eligible renewable energy resource electricity from one Compliance Period to a subsequent Compliance Period consistent with Public Utilities Code section 399.30(d)(1) and in the same manner as section 399.13(a)(4)(B). Beginning January 1, 2011, Excess Procurement from one Compliance Period may be applied to a subsequent Compliance Period; to determine the quantity of Excess Procurement for the applicable Compliance Period.

**7.83.050.3** The District has adopted and implemented, or will adopt and implement, an RPS Procurement Plan that includes conditions for delaying timely compliance consistent with Public Utilities Code section 399.30(d)(2) and section 399.15(b). The District may approve a waiver of timely compliance (Waiver of Timely Compliance) in the event that there is inadequate transmission capacity (§ 399.15(b)(5)(A)), permitting, interconnection, or other factors that delay procurement, or insufficient supply (§ 399.15(b)(5)(B)), unanticipated curtailment are mandated to address needs of the balancing authority (§ 399.15(b)(5)(C)), or related factors existed;

**7.83.050.4** The District has adopted and implemented, or will adopt and implement, an RPS Procurement Plan that establishes procedures to employ in the event of an approval of a Waiver of Timely Compliance, which provisions require the District to establish additional reporting for intervening years to demonstrate that reasonable actions under the District's control are being taken (§ 399.15(b)(6)) and to demonstrate that all reasonable actions within the District's control have been taken to ensure compliance in the future (§ 399.15(b)(7)); in no event shall the deficit from prior compliance periods be added to subsequent compliance periods in the event of a Waiver of Timely Compliance (§ 399.15(b)(9));

#### **7.83.060 Ongoing Review**

**7.83.060.1** Annually, the General Manager of the District shall cause to be reviewed, the District's RPS Procurement Plan to determine compliance the RPS program;

**7.83.060.2** Annual review of the RPS Procurement Plan shall include consideration of each of the following elements:

**7.83.060.2(A)** By December 31, 2013 (end of Compliance Period 1):

- Verify that the District has met an average of twenty percent (20%) of retail sales with eligible renewable resources for the period January 1, 2011 to December 31, 2013.
  
- If targets are not met, the District must:
  - Ensure than any Waiver of Timely Compliance was compliant with the provisions in the RPS Procurement Plan,
  - Review the applicability and appropriateness of excusing performance based on the Cost Limitations on Expenditures provisions of the RPS Procurement Plan.

**7.83.060.2(B)** By December 31, 2014:

- Ensure that the District is making reasonable progress toward meeting the December 31, 2016 compliance obligation of twenty-five percent (25%) of retail sales with eligible renewable resources, consistent with the RPS Procurement Plan.

**7.83.060.2(C)** By December 31, 2015:

- Ensure that the District is making reasonable progress toward meeting the December 31, 2016 compliance obligation of twenty-five percent (25%) of retail sales with eligible renewable resources, consistent with the RPS Procurement Plan.

**7.83.060.2(D)** December 31, 2016 (end of Compliance Period 2):

- Verify that the District has met twenty-five percent (25%) of retail sales with eligible renewable resources for the period ending December 31, 2016;
  
- If targets are not met, the District must:
  - Review the applicability of applying Excess Procurement from Compliance Period 1 consistent with the provisions of the RPS Procurement Plan,
  - Ensure than any Waiver of Timely Compliance was compliant with the provisions in the RPS Procurement Plan,
  - Review applicability and appropriateness of excusing performance based on the Cost Limitations on Expenditures provisions of the RPS Procurement Plan.

**7.83.060.2(E)** By December 31, 2017:

- Ensure that the District is making reasonable progress toward meeting the December 31, 2020 compliance obligation of thirty-three percent (33%) renewable resources electricity, consistent with the RPS Procurement Plan.

**7.83.060.2(F)** By December 31, 2018:

- Ensure that the District is making reasonable progress toward meeting the December 31, 2020 compliance obligation of thirty-three percent (33%) renewable resources electricity, consistent with the RPS Procurement Plan.

**7.83.060.2(G)** By December 31, 2019:

- Ensure that the District is making reasonable progress toward meeting the December 31, 2020 compliance obligation of thirty three percent (33%) renewable resources electricity, consistent with the RPS Procurement Plan.

**7.83.060.2(H)** December 31, 2020 (end of Compliance Period 3), and annually thereafter,

- Verify that that the District met thirty-three percent (33%) of retail sales with eligible renewable resources consistent with the RPS Procurement Plan;
- If targets are not met, the District must:
  - Review the applicability of applying Excess Procurement from a previous Compliance Period consistent with the provisions of the RPS Procurement Plan,
  - Ensure than any Waiver of Timely Compliance was compliant with the provisions in the RPS Procurement Plan,
  - Review applicability and appropriateness of excusing performance based on the Cost Limitations on Expenditures provisions of the RPS Procurement Plan.

**7.83.060.3** If it is determined that the District has failed to comply with the provisions of its RPS Procurement Plan, the Board of Directors shall take steps to correct any untimely compliance, including:

**7.83.060.3(A)** Review the District's RPS Procurement Plan to determine what changes, if any, are necessary to ensure compliance in the next Compliance Period;

**7.83.060.3(B)** Report quarterly to the Board of Directors regarding the progress being made toward meeting the compliance obligation for the next Compliance Period;

**7.83.060.3(C)** Report to the Board of Directors regarding the status of meeting subsequent compliance targets, and all steps being taken to ensure that the obligation is timely met.

Res2014-07 (5/21/14)