# Electric Service Guide Street Lighting & Miscellaneous





## Contact MID's Electric Engineering Department (electric.standards@mid.org) with any questions about this Service Guide.

Check MID's website (<u>www.mid.org</u>) "Electric Service Guide" for the most current version of this Service Guide.

If you have any suggestions about improving this Service Guide, please complete the form on the last page of this Guide and return it to MID's Electric Engineering Department.

#### **USE CAUTION WHEN DIGGING TO AVOID BURIED ELECTRICAL CABLES**

BEFORE DIGGING CALL
USA (Underground Service Alert)
1 (800) 227-2600 or 811

#### **Electric Service Guide**

#### **Table of Contents**

A.	Frequently Asked Questions	1
В.	Procedures for Obtaining a Lighting Service	2
	1. Street Light Service	2
	2. Dusk-to-Dawn Lights	2
C.	Project Scheduling Table	3
D.	Local Governing Authorities Within MID's Service Area	4
E.	MID Contact Information	4
Lis	st of Attachments	
Dra	awing MISC-001.0: Non-Residential Service Pedestals	5
	awing MISC-002.0: Non-Residential Service Pedestals, continued	
San	mple 1: Street Light	7
San	mple 2: Dusk-to-Dawn Light	7
San	mple 3: Application for Non-Residential Electric Service(s)	8
San	mple 4: Commercial Load Information Form	9
San	mple 5: Dusk-to-Dawn Application	10
For	rm 1: Application for Non-Residential Electric Service(s)	11
For	rm 2: Commercial Load Information Form	12
For	rm 3: Dusk-to-Dawn Application	13
For	rm 4: Area Map	14
For	rm 5: Service Guide Customer Input Form	15

#### A. Frequently Asked Questions

#### 1. What is a Lighting Service?

MID offers two types of lighting services. We offer a "Street Light" service and a "Dusk-to-Dawn Light" service.

<u>Street Light Service</u> (see page 7 for photo) is only utilized for any governing agency in charge of a city, county, or home owners association. The typical home owner cannot apply for a street light service; however they can apply for a dusk-to-dawn light service.

<u>Dusk-to-Dawn Light Service</u> (see page 7 for photo) can be used for residential customers or business customers on private property. Dusk-to-dawn lights are only allowed for those customers for whom there is existing overhead service available. Dusk-to-dawn lights can be installed on existing poles if available, or they can be installed on new poles (monthly service rate is slightly higher).

Refer to the Electric Rate Schedule SL (Lighting) for our current Rates (www.mid.org/tariffs/).

#### 2. Does MID offer decorative lighting?

No, MID does not offer decorative lighting. Homeowners can purchase their own private lights from home improvement stores or other stores that sell lights. These lights are typically installed, operated, and maintained by private electricians or homeowners and do not require approvals or inspections by MID. Private lights are not allowed to be installed on MID-owned poles.

#### 3. Does MID offer flat rate services?

As of the date of the publication of this Guide, MID does not offer any flat rate services.

#### 4. How are monthly fees or rates calculated?

Existing street lights are calculated by time of use for each light. Refer to the Electric Rate Schedule SL (Lighting) for our current Rates (<a href="www.mid.org/tariffs/">www.mid.org/tariffs/</a>). For new street light installations after January 1, 2015, all street lights will be metered. See Drawing MISC-001.0 and Drawing MISC-002.0 (pages 5 and 6) for a typical metered pedestal.

All agencies (and/or their qualified contractors) who have been authorized to install facilities must have a signed "Pole Attachment Agreement" on file with the District's Board Secretary. Contact your designated Engineering Technician (see map on page 14).

#### 5. How do I obtain one of the above services?

See Section B.

#### B. Procedures for Obtaining a Lighting Service

Contact an MID Engineering Technician to apply for service. Use the Area Map on page 14 for the number to call.

Street light services will require final approval by your local governing authority (see a list of authorities on page 4).

#### 1. Street Light Service

- a) The customer must submit a completed "Application for Non-Residential Electric Service(s)" (see page 8 for sample) to MID.
- b) The customer must obtain approval from the MID Engineering Department to attach any street light to MID solely-owned wood poles.
- c) The customer must have a signed "Pole Attachment Agreement" on file as described in Rule 2 (<a href="https://www.mid.org/tariffs/">www.mid.org/tariffs/</a>).
- d) After the completed submittal has been received, an MID Engineering Technician will review the plans to determine point of connection(s). These plans will be sent back to the customer.
- e) Upon inspection by the local governing authority, the project will be sent for service connection.

#### 2. Dusk-to-Dawn Lights

- a) The customer must submit a completed Dusk-to-Dawn Light application (see page 10 for sample) to the MID Electrical Engineering Department for processing and review.
- b) The customer will be contacted by an Engineering Technician should further information be required.
- c) After the Electrical Engineering Department review, an Engineering Technician will process the paperwork for service installation.
- d) Lighting options include:
  - 200 W HPS or LED equivalent light output
  - 100 W HPS or LED equivalent light output

An Engineering Technician should be contacted to properly size the dusk-to-dawn lights.

- e) MID reserves the right to install **standard** shields on the fixture in the event there is a complaint of light reflection.
- f) MID installs the dusk-to-dawn light fixture.

g) MID maintains the dusk-to-dawn lights.

### C. Project Scheduling Table

Step	Party	Typical Time Required by MID	Action
1	Customer		Send final set of site plans to MID's Electrical Engineering Department for review and design.
2	MID	7 business days	Engineering Technician designs the electric layout and sends the installation agreement and one marked-up copy of site plan to the Customer.
3	Customer		Pay any charges, return a signed installation agreement, and return completed Commercial Load Information Form with all relevant dates regarding construction and service requirements. Both must be returned to MID. Obtain all necessary permits from the local governing authority.
4	MID	7 business days	Engineering Technician designs engineering drawing(s), materializes and assembles the work order.
5	Customer		Call USA to locate underground utilities, install conduit and substructures, return Application for Electric Services to the Customer Service Department, request MID and local governing authority to inspect conduit, substructure, transformer pad, and electric facilities. Close trench, pull service conductors to agreed location, connect conductors to panel. Local governing authority inspects electric facilities. Your facilities pass inspection and you request service.
6	MID	7 business days pending weather and scope of project	MID construction installs transformer, primary cables and secondary cables where needed. MID reviews the local governing authority inspection tag to verify equipment conformance; if the equipment passes, the meter is set and the panel is energized.

#### D. Local Governing Authorities Within MID's Service Area

#### **City of Modesto Building Department**

1010 Tenth St. 3rd Floor Modesto, CA 95353 Phone: 209-577-5232

#### **Stanislaus County Building Department**

1010 Tenth St. Suite 3500 Modesto, CA 95354 Phone: 209-525-6557 Fax: 209-525-7759

#### **San Joaquin County Building Department**

1810 Hazelton Ave. Stockton, CA 95205 Phone: 209-468-3121

#### **City of Riverbank Building Department**

6617 3rd St.

Riverbank, CA 95367 Phone: 209-863-7128

#### **City of Ripon Building Department**

259 N. Wilma Ave. Ripon, CA 95366 Phone: 209-599-2613

Fax: 209-599-2183

#### **City of Waterford Building Division**

101 E St.

Waterford, CA 95386 Phone: 209-874-2328 Fax: 209-874-9656

#### **City of Oakdale Community Development**

455 S. Fifth Ave. Oakdale, CA 95361 Phone: 209-845-3625 Fax: 209-848-4344

#### **City of Escalon Building Department**

2060 McHenry Ave. Escalon, CA 95320 Phone: 209-691-7460 Fax: 209-691-7439

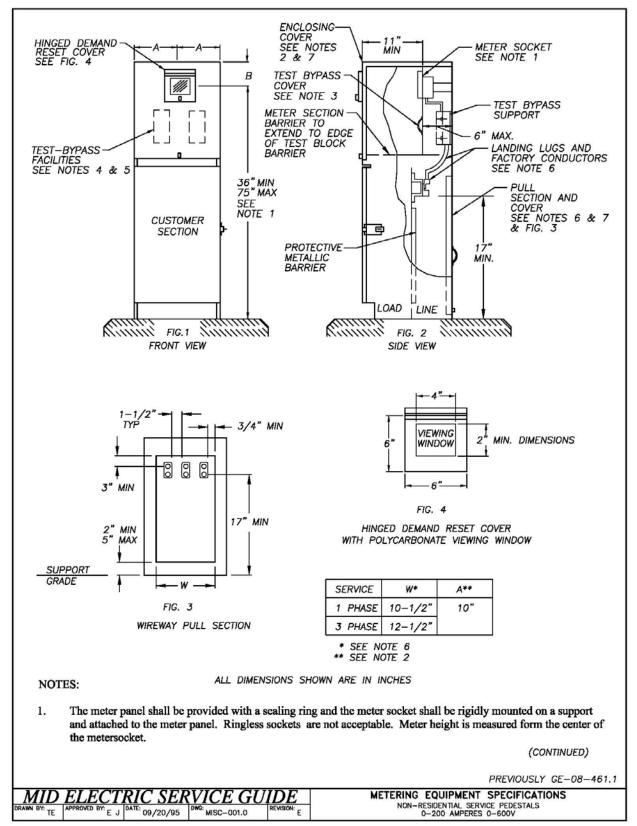
#### E. MID Contact Information

#### **Modesto Irrigation District**

1231 Eleventh Street (P.O. Box 4060) Modesto, CA 95354 (Modesto, CA 95352) Electrical Engineering Department<sup>1</sup>

Phone: 209-526-7468 Fax: 209-526-7357

<sup>&</sup>lt;sup>1</sup> Contact the MID Engineering Technician assigned to the area (see map on page 14).



Drawing MISC-001.0: Non-Residential Service Pedestals

June 1, 2019 5

#### **Electric Service Guide**

NOTES: (CONTINUED)

- 2. The meter shall be enclosed and the enclosing cover shall be:
  - a. Hinged to allow the top and front to be rotated back as one unit to expose the metering compartment. The "A" dimension applies when the meter compartment side panels are fixed in place and obstruct the meter socket side clearence. The lifting force required to open the cover shall not exceed 25 pounds.
  - b. Equipped with a lifting handle.
  - c. Sealable and lockable with a padlock having a 5/16 inch lockshaft.
  - d. Provided with a demand reset cover with a viewing window (See Fig. 3). The reset cover shall be sealable and lockable with a padlock having 5/16 inch lockshaft.
- Test-bypass compartment covers shall be sealable and fitted with a lifting handle-cover exceeding 16 inches in width shall require two lifting handles.
- 4. Test-bypass blocks with rigid barriers shall be furnished, installed and wired or bussed to the meter socket by the manufacturer. Connection sequences shall be <u>LINE-LOAD</u> from left to right and clearly identified by 3/4 inch minimum block letter labeling. See dwgs. GE-08-463.0 and GE-08-465.0 for test-bypass block details.
- Test-bypass shall be installed with the following clearances:
  - a. 3-inches of vertical clearance from the upper test connector stud to the upper compartment access opening and
     3 inches from the center of the cable terminal screw to the lower compartment access opening.
  - b. 1-1/2 inches of side clearance from the rigid insulating barriers to the compartment sides and 1 inch to the compartment access openings.
- 6. The terminating pull section shall:
  - a. Comply with the minimum dimensions shown in table 1 (the "W" dimension is measured between the access opening return flanges), accept a minimum 3 inch conduit, and the cover shall be equipped with a lifting handle.
  - b. Be equipped with aluminum-bodied, pressure-type lugs, with a range of No. 2 AWG through 350 KCMIL, for termination of the service conductors. Insulated cable or bus shall be installed between the termination lugs and the test-bypass facilities.
  - c. Have a protective metallic barrier (16 gauge minimum) provided between the pull section and the customer distribution section. There shall be a 1/4 inch minimum clearance between the customer section wall and the barrier to prevent screws and bolts from protruding into the pull section.
- Utility compartments covers (i.e., meter cover, demand reset cover, and pull section) shall be sealable and lockable with a padlock having a 5/16 inch lockshaft.
- Internal equipment attached to the outer walls of the enclosure shall be secured in place with devices that may not be loosened from the outside. Screws or bolts requiring special tools for installation or removal are not acceptable.
- 9. For structural mounting and support of the pedestal, consult a M.I.D. Engineering Technician.

PREVIOUSLY GE-08-461.2

MID ELECTRIC SERVICE GUIDE

DRAWN BY: TE | APPROVED BY: E J | DATE: 09/20/95 | DWG: MISC-002.0 | REMSION: D

METERING EQUIPMENT SPECIFICATIONS

NON-RESIDENTIAL SERVICE PEDESTALS
0-200 AMPERES 0-600V

Drawing MISC-002.0: Non-Residential Service Pedestals, continued



Sample 1: Street Light



Sample 2: Dusk-to-Dawn Light



MODESTO IRRIGATION DISTRICT
1231 Eleventh Street, PO Box 4060, Modesto, CA 95352
Customer Service Phone: (209) 526-7337 Fax: (209) 526-7359

Email address: CSCommercial@MID.org

#### ADDITION FOR NON-DESIDENTIAL ELECTRIC SERVICE/SY

	□ Equivalent □ Cha	ange in svc    New construc	ion Franchise District:	Tax District:
ccount #:	Anticipated Load:	-	Rate:	Reactive Meter:
06 Dt #*	NAICS Code:		Voltage:	Yes No
ovc Pt #: Deposit Amount/Reason for waiving:	Map grid seg #:		Class 1 Code:	
		5.1		
S Approved by: Dat	e: Mktg Approved by:	Date:	Engr Approved by:	Date:
	npletely, and attach supporting docu Regulations, a <u>minimum</u> deposit of			
oday's date	Service start	date: 12/1/2015	Po	wer On? Yes No
Type of Service: Cor	nmercial 🔲 Industrial	Lighting	Ag Pump – hors	epower: 50
lew construction: ☐ Yes	□ No Square footage of	of building or work ar	ea:	
n sa 1970anna 11.	ohn Doe	-		
r. Legar billing frame	9-09-5-2 - 2-9-0-4-1-76:			
2. Doing business as (DB/	A): Business Name	- Full	7	
3. Service address: 1234	Name of Organization  1 Sample Drive	TOT CHULY	Modesto	95352
	Street		City Modesto	Zip Code <b>95352</b>
I. Mailing address: PO I	Street		City	Zip Code
i. Type of business: Distr	ibution/Trucking Company		Fran	chisee? Yes No
6. Number of years in bus	Complete description of goods or	services rendered phone: 209-123-4567		er: 209-456-7890
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Sample 3: Application for Non-Residential Electric Service(s)

		Co	mmer	ial Loa	ad Information F	orm			
Modesto Irrigation ATTN: Electrical E PO Box 4060 1231 11 <sup>th</sup> Street Modesto, Californi Fax: (209) 526-735	ngineerir ia 95352								
						Date:			
Project:	Sample	e Wareh	ouse Exp	ansion					
Location (Street):	1234 S	ample W	ay, Mode	esto, CA	95353				
Owner (Name):	John D	)oe				lephone:	(209) 5	55-4444	
			a Madan	t- CAO		repriorie.			
Address:			e, Modes	to, CA S					
Engineer (Name):	David	Doe			Те	lephone:	(209) 5	66-5664	
Address:	7896 S	ample C	t., Modes	to, CA 9	5352				
Estimated Date Re	ady for S	ervice:	9-15-20	15	Pre-Construction	Meeting	Date:		
		THE PERSON NAMED IN			Begin Rough		_		
					begin rougi	Grauing	Date.		
<u>General Informati</u>	<u>on</u>								
Approximate Squa	re Foota	ge: <u>85</u>	28		Type of Business:	Ware	house		
Electric Load Infor	mation								
	Initial		Future			Initial		Future	
Lighting	3.4	kW		kW	Receptacles	1.0	kW		(W
Water Heater	1.5	kW		kW	Duct Air Heaters		kW	k	(W
Unit Air Heaters		kW		kW	1Ø Air Conditioners		HP/Ton		HP/Ton
Cooking Unito	<b>├</b>	kW		kW	3Ø Air Conditioners	20	HP/Ton		HP/Ton
		kW		kW	1Ø Heat Pump		HP/Ton		HP/Ton
X-Ray (input)				kW	3Ø Heat Pump	1	HP/Ton		HP/Ton
X-Ray (input) Welders		kW							
X-Ray (input) Welders Aux. Strip Heater		kW		kW	1Ø Misc. Motors	-	HP/Ton		HP/Ton
Cooking Units X-Ray (input) Welders Aux. Strip Heater 3Ø Motors Total Initial Conne	ected Ele	kW HP etrical Loa	ad:	HP kV	Largest 3Ø Motor  Size Main		HP/Ton	H	HP/Ton HP/Ton mps
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Sample 4: Commercial Load Information Form

June 1, 2019 9



#### MODESTO IRRIGATION DISTRICT

1231 Eleventh Street, PO Box 4060, Modesto, CA 95352 Customer Service Phone: (209) 526-7337 Fax: (209) 526-7359

#### **DUSK TO DAWN LIGHT APPLICATION**

All night outdoor area lighting service supplied from an existing, overhead, 120 volt source, where the lighting facilities are installed, owned, and maintained by the District. Terms and rates for light installation are summarized below; services provided as specified in Electric Rate. Schedule SL Section 2. In accordance with MID Rules, a deposit of \$30 per light may be required to activate service.

#### Terms

- A) Lamp and Fixture on Existing Pole (pole installed for purpose other than lighting; i.e. power pole)
  - 12 continuous months and thereafter until cancelled. Service to lamps here under is continuous and temporary disconnection shall not be made.
- B) Lamp and Fixture with Pole (pole installed specifically for the purpose of lighting)
- 36 continuous months and thereafter until cancelled. Service to lamps hereunder are continuous and temporary disconnection shall not be made.

#### C) Service Period

If service is cancelled prior to the expiration of the initial 12- or 36-month period, the customer pays the District the monthly charges for the remaining portion of the period.

#### Map for New Light Service Placement

#### Customer Information

- Ä -	Date 6/24/2014	
*	New Account # (Separate Acct) 123456789	
	Account # (Existing Acct) 987654321	
11th ST	Customer name Modesto Irrigation District	
	Location 1231 11th St.	
	City Modesto	Zip Ca
	Phone 209-526-7373	
	Mailing address: 1231 11th St.	
	Description of purpose: Install one Dusk to Dawn light on existing	pole #( ) S/W of property
O (EXISTNO POLE)	Customer signature	
*	Applicant is: Owner ⊠ Tenant □	
- NEW LIGHT	Property owner signature	
	Property owner phone number 209-526-7373	
	Go to http://www.i	mid.org/forms/
	*** MID Use Only *** for the most currer	
dumber of Lighte 4 upo	925110 Incand   925110 Incan	

Sample 5: Dusk-to-Dawn Application



#### **MODESTO IRRIGATION DISTRICT**

1231 Eleventh Street, PO Box 4060, Modesto, CA 95352 Customer Service Phone: (209) 526-7337 Fax: (209) 526-7359

Email address: CSCommercial@MID.org

#### APPLICATION FOR NON-RESIDENTIAL ELECTRIC SERVICE(S)

	MID USE ONLY	
CSR Name	Equivalent Change in svc New construction	Franchise District: Tax District:
Account #:	Anticipated Load:	Rate: Reactive Meter:
Svc Pt #:	NAICS Code:	Voltage:
Deposit Amount/Reason for waiving:	Map grid seq #:	Class 1 Code:
CS Approved by: Date:	Mktg Approved by: Date:	Engr Approved by: Date:
Please fill out the application completely, and atta In accordance with MID Rules & Regulations, a m		MID in the office, by fax or email. st monthly bill, may be required to activate service.
Today's date	Service start date:	Power On? Yes No
Type of Service: Commercial	Industrial Lighting	Ag Pump – horsepower:
New construction: Yes No So	quare footage of building or work area:	
Legal billing name:		
2. Doing business as (DBA):		
Service address:	Name of Organization or Entity	
	Street	City Zip Code
	Street	City Zip Code
5. Type of business:	escription of goods or services rendered	Franchisee? Yes No
		Fax number:
7. Type of ownership: Sole Proprietor	Partnership  LLC  LLP	Corporation Public Agency Other
8. If corporation, LLP or LLC list state w	/here filed:	Year filed:
9. Taxpayer ID number (EIN or SSN): _	Copy of documents required	
		Copy of license required
10. If business name is legal billing name	e, fictitious name file number:	Filing date:
11. Address of corporate office or reside	nce address if sole proprietor:	
12. Name and information for all corpora	te officers, partners, or sole owners:	
	· · · · · · · · · · · · · · · · · · ·	
Name Title	Phone D	river's License & State Date of Birth
Name Title	Phone D	river's License & State Date of Birth
Name Title	Phone D	river's License & State Date of Birth
13. Contact for billing inquiries:		overall address
Name  14. Name of person completing form:	Title Ph	one email address
ame of percent completing form.	Name Title	Telephone
Signature (required):		
	orporate Officer Driver's License nu	imber & State Date of Birth
Print Name	Title	Date

#### **Commercial Load Information Form**

ATTN: Electrical Engineering PO Box 4060 1231 11<sup>th</sup> Street Modesto, California 95352 Fax: (209) 526-7357 Date: Project: Location (Street): Owner (Name): Telephone: Address: Telephone: Engineer (Name): Address: Estimated Date Ready for Service: Pre-Construction Meeting Date: Begin Rough Grading Date: \_\_\_\_\_ **General Information** Approximate Square Footage: Type of Business: **Electric Load Information Future** Initial **Future** Initial kW Receptacles kW Lighting kW kW Water Heater kW kW **Duct Air Heaters** kW kW **Unit Air Heaters** kW kW 1Ø Air Conditioners HP/Ton HP/Ton kW kW 3Ø Air Conditioners HP/Ton HP/Ton **Cooking Units** X-Ray (input) kW kW 1Ø Heat Pump HP/Ton HP/Ton Welders kW kW 3Ø Heat Pump HP/Ton HP/Ton Aux. Strip Heater kW kW 1Ø Misc. Motors HP/Ton HP/Ton 3Ø Motors ΗP ΗP Largest 3Ø Motor HP/Ton HP/Ton Total Initial Connected Electrical Load: kW Size Main Fused Switch: Amps Estimated Date of Future Load: Total Future Connected Electrical Load: kW Type of Service Desired: (circle one) Overhead Underground Voltage: Wires: Estimated Initial Date: Phase: Site Plan: ( ) One site plan in dfx or Autocad format on a CD ( ) One sepia or two reproducible hard copies of the site plan; scaled ( ) Emailed electronic file to electric.standards@mid.org Signature of Applicant Office Use Only Application Checked By: \_\_\_\_\_\_ Date: \_\_\_\_\_ □ Yes Complete If no, explain: □ No

**Modesto Irrigation District** 



#### **MODESTO IRRIGATION DISTRICT**

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Fax: (209) 526-7359

#### **DUSK TO DAWN LIGHT APPLICATION**

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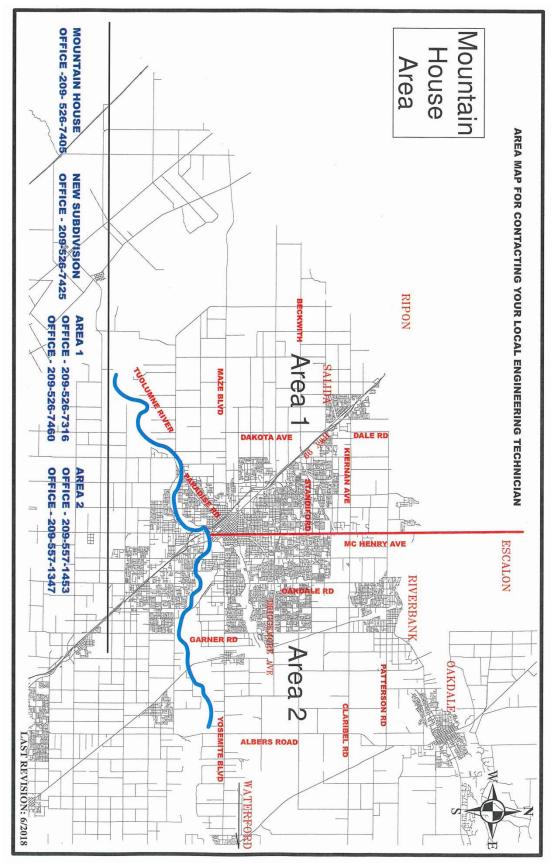
#### C) Service Period

If service is cancelled prior to the expiration of the initial 12- or 36-month period, the customer pays the District the monthly charges for the remaining portion of the period.

#### Map for New Light Service Placement

#### **Customer Information**

N	Date	
5	New Account # (Separate Acct)	
	Account # (Existing Acct)	
	Customer name	
	Location	
	City	Zip
	Phone	—
	Mailing address:	
	Description of purpose:	
	Customer signature	
	Applicant is: Owner Tenant Tenant	
	Property owner signature	
	Property owner phone number	
T 005440   D.O	*** MID Use Only ***	
	HP Sodium Vapor 925110 Incandescent NAICS	
Pole Needed: ® Yes ® No Number	Completed By — Date Completed — Authorized By	



Form 4: Area Map



#### **Service Guide Customer Input Form**

The Modesto Irrigation District strives to provide excellent customer service. In an effort to improve our Service Guides, this form is provided so you can share your comments and suggestions. Please fill out this form and submit it with along with your comments. Please be as specific as possible. Once the form is complete, email the form to our Standards Department at <a href="mailto:electric.standards@mid.org">electric.standards@mid.org</a>, or mail the form to the Modesto Irrigation District office, attention Electrical Standards.

Modesto Irrigation District Attn: Electrical Standards PO Box 4060 Modesto CA, 95352-4060

Name:		Date:				
Phone Number:		Email:				
Indicate which Service Guide you	r comments	pertain to:				
<ul><li>☐ Residential</li><li>☐ Agricultural</li><li>☐ Commercial and Indust</li><li>☐ Temporary</li></ul>	<ul><li>☐ Solar Photovoltaic</li><li>☐ Electric Vehicle</li><li>☐ Residential Subdivision</li><li>☐ Street Lighting and Miscellaneous</li></ul>					
	Not Effective	Somewhat Effective	Effective	Very Effective	N/A	
Organization of Service Guide						
Requirements Were Clear						
Effectiveness of Sample Forms						
Effectiveness of Drawings						
Effectiveness of Service Guide						
Comments:						

