

## Small Load VS Large Load Metered Services NOT Metered at Padmount Transformer

### Single Phase Metered Services

Small Load = All services equal to or under 350A \*\*Self-contained (SC) services\*\*

Large Load = All services over 350A \*\*Instrument Rated (IR) services\*\*

### Three Phase Metered Services

Small Load = All services equal to or under 225A \*\*Self-contained (SC) services\*\*

Large Load = All services over 225A \*\*Instrument Rated (IR) services\*\*

**\*\*NOTE: ALL Fire Pump services SHALL be instrument rated (IR) services.\*\***

### Primary Metered Services

Large Load = All services over 600V

## Small Load VS Large Load Metered Services Metered at Padmount Transformer

### Single Phase Metered Services

Small Load = All services equal to or under 350A \*\*Self-contained (SC) services\*\*

Large Load = All services over 350A \*\*Instrument Rated (IR) services\*\*

### Three Phase Metered Services

Small Load = All services equal to or under 225A \*\*Self-contained (SC) services\*\*

Large Load = All services over 225A \*\*Instrument Rated (IR) services\*\*

**\*\*NOTE: ALL Fire Pump services SHALL be instrument rated (IR) services.\*\***

### Primary Metered Services

Large Load = All services over 600V



# Electric Service Planning Application (ESPA)

Refer to the Austin Energy Design Criteria Manual

Clear Form

Fill out one ESPA per main disconnect or distribution enclosure. Review of this application may result in a request for additional information.

The form must be filled out completely. See instructions online at [Electric Service Design & Planning](#).

## I. Service Area

A map of the service areas and contacts can be found online at [Electric Distribution Contacts Map](#).

- a) All services equal to or under 350A single-phase or 225A three-phase.      b) All service over 350A single-phase or 225A three-phase      c) All services in downtown Network area

Complete ESPA and email to DAS.

For these sections (I.b & I.c) complete ESPA and submit online at [Distribution Design Intake](#).

☐ Development Assistance Support  
[aebspaesa@austinenenergy.com](mailto:aebspaesa@austinenenergy.com)

☐ North: Kramer Service Center  
Ph: 512-505-7181

☐ South: St. Elmo Service Center  
Ph: 512-505-7682

☐ Downtown Network  
Ph: 512-505-7682

Small Cell: Submit ESPA online at [Small Cell Web Form](#)      Distributed Generation (solar, etc.): [Use Distributed Generation Planning Application \(DGPA\)](#)

## II. Customer & Project Information

(a) Customer Information

Property Owner Name: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

(Austin Energy may request the property owner contact information of adjacent properties where AE work is required.)

Prop Owner Representative Name (if different): \_\_\_\_\_ Title: ☐ Elect Engineer ☐ Elect Contractor ☐ Other \_\_\_\_\_

Rep Phone: \_\_\_\_\_ Rep Fax: \_\_\_\_\_ Rep Email: \_\_\_\_\_

Date ESPA Submitted: \_\_\_\_\_

(b) Project Information:

Project Name: \_\_\_\_\_

911 Service Address: 4411 Meinardus Dr. (see attachment w/ highlighted unit #s)

Nearest Intersection: \_\_\_\_\_

Service Provider: ☐ Austin Energy ☐ Other \_\_\_\_\_

Address with unique identifier(s).  
☐ New Construction ☐ Remodel/Rebuild ☐ Traffic Signal  
☐ Dual Feed ☐ Small Cell

Estimated Service Need Date: \_\_\_\_\_

(d) Service Duration:

☐ Permanent Service ☐ Construction Power/Temporary Service (less than 24 months)

## III. Electrical Information

Refer to the appropriate table in the Austin Energy Criteria Manual for available electric services.

(a) Type of Service Requested:

- ☐ Overhead Service  
☐ Secondary Riser  
☐ Underground Service

Downtown Network Options:

- ☐ Network Transformer Vault  
☐ Network Underground

(b) Service Voltage Requested:

- ☐ 120/240 V, 1  $\phi$ , 3-Wire  
☐ 120/240 V, 3  $\phi$ , 4-Wire (Overhead or secondary riser only)  
☐ 120/208V, 3  $\phi$ , 4-Wire  
☐ 120/208V, 1  $\phi$ , 3-Wire  
☐ 277/480 V, 3  $\phi$ , 4-Wire  
☐ 7200/12470 V (Primary Meter)

(c) Additional Service & Electrical Load Information:

Building Use (Residential, Warehouse, Restaurant, Retail, Office, Mixed Use, etc.): \_\_\_\_\_

FT<sup>2</sup>/Average Unit: \_\_\_\_\_ # Units: \_\_\_\_\_  
1200 amps - 20 Units  
400 amps - 5 Units  
350 amps - House Panel

Total Building FT<sup>2</sup>: \_\_\_\_\_

Fuel Type: ☐ All Electric ☐ Gas & Electric

Total NEC-Calculated Load: \_\_\_\_\_ (amps)

Service Wire Type, Size, & Quantity: \_\_\_\_\_

Service Length: \_\_\_\_\_

Self-contained meters (SC).

☐ (interrupting device) or Distribution Enclosure size (total of all meters):

- ☐ 200 Amps ☐ 600 Amps ☐ 1600 Amps  
☐ 350 Amps ☐ 800 Amps ☐ 2000 Amps  
☐ 400 Amps ☐ 1200 Amps ☐ Other \_\_\_\_\_

Note: Austin Energy may size equipment based on \_\_\_\_\_

Number of meters when this service is energized.

(e) New Meter Size(s):

List revenue meters only. For DG meters (solar, etc.) use DGPA.

1. Meter Can Size SC (125) (amps) x # Meters 20 (Units)  
2. Meter Can Size SC (200) (amps) x # Meters 5 (Units)  
3. Meter Can Size SC (320) (amps) x # Meters 1 (HP)  
4. Meter Can Size \_\_\_\_\_ (amps) x # Meters \_\_\_\_\_

(For multiple meters attach a list of unit #'s.)

Number of existing meters: 0

Total number of meters after job is complete: 26

(f) Meter Enclosure(s):

Click here for list of approved [meter socket](#) and [meter hub](#) specifications and mfg #'s.

AE Metering Questions;  
[AEDistributionMetering@austinenenergy.com](mailto:AEDistributionMetering@austinenenergy.com)

For internal use only

☐ Design Required AE Work Request Number (WR#) \_\_\_\_\_

☐ Service Only

AE Rep: \_\_\_\_\_ Phone: \_\_\_\_\_ Date: \_\_\_\_\_

Comments: \_\_\_\_\_

Approval Stamp Verification

To conduct business online visit the AB+C Portal at <https://abc.austintexas.gov/web/permit>



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Clear Form

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<b>Complete ESPA and email to DAS.</b>		
For these sections (I.b & I.c) complete ESPA and submit online at <a href="#">Distribution Design Intake</a> .		
<input type="checkbox"/> Development Assistance Support <a href="mailto:aebspaesa@austinenenergy.com">aebspaesa@austinenenergy.com</a>	<input type="checkbox"/> North: Kramer Service Center Ph: 512-505-7181	<input type="checkbox"/> South: St. Elmo Service Center Ph: 512-505-7682
<input type="checkbox"/> Downtown Network Ph: 512-505-7682		
Small Cell: Submit ESPA online at <a href="#">Small Cell Web Form</a> Distributed Generation (solar, etc.): <a href="#">Use Distributed Generation Planning Application (DGPA)</a>		

## II. Customer & Project Information

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(Austin Energy may request the property owner contact information of adjacent properties where AE work is required.)  
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Rep Phone: \_\_\_\_\_ Rep Fax: \_\_\_\_\_ Rep Email: \_\_\_\_\_  
Date ESPA Submitted: \_\_\_\_\_

### (b) Project Information:

Project Name: \_\_\_\_\_  
911 Service Address: 4411 Meinardus Dr. (see attachment w/ highlighted unit #s)  
Nearest Intersection: \_\_\_\_\_  
Service Provider: ☐ Austin Energy ☐ Other \_\_\_\_\_  
Estimated Service Need Date: \_\_\_\_\_

### (d) Service Duration:

☐ Permanent Service ☐ Construction Power/Temporary Service (less than 24 months)

## III. Electrical Information

Refer to the appropriate table in the Austin Energy Criteria Manual for available electric services.

<b>(a) Type of Service Requested:</b> <input type="checkbox"/> Overhead Service <input type="checkbox"/> Secondary Riser <input type="checkbox"/> Underground Service <b>Downtown Network Options:</b> <input type="checkbox"/> Network Transformer Vault <input type="checkbox"/> Network Underground <b>Secondary:</b> <input type="checkbox"/> Network Transformer Vault <input type="checkbox"/> Network Underground <b>Instrument rated meters (IR).</b>	<b>(b) Service Voltage Requested:</b> <input type="checkbox"/> 120/240 V, 1 $\phi$ , 3-Wire <input type="checkbox"/> 120/240 V, 3 $\phi$ , 4-Wire (Overhead or secondary riser only) <input type="checkbox"/> 120/240 V, 3 $\phi$ , 4-Wire (Overhead or secondary riser only) <input type="checkbox"/> 120/240 V, 3 $\phi$ , 4-Wire <input type="checkbox"/> 277/480 V, 3 $\phi$ , 4-Wire <input type="checkbox"/> 7200/12470 V (Primary Meter) <b>Unit load information.</b>	<b>(c) Additional Service &amp; Electrical Load Information:</b> Building Use (Residential, Warehouse, Restaurant, Retail, Office, Mixed Use, etc.): _____ FT <sup>2</sup> /Average Unit: _____ # Units: _____ Total Building FT <sup>2</sup> : _____ Fuel Type: <input type="checkbox"/> All Electric <input type="checkbox"/> Gas & Electric Total NEC-Calculated Load: _____ (amps) Service Wire Type, Size, & Quantity: _____ Service Length: _____ 400 amps - Leasing 1200 amps - MSA 146 - Fire pump	<b>(e) New Meter Size(s):</b> <b>List revenue meters only. For DG meters (solar, etc.) use DGPA.</b> 1. Meter Can Size <u>IR (400)</u> (amps) x # Meters <u>1</u> (Leasing) 2. Meter Can Size <u>IR (1200)</u> (amps) x # Meters <u>1</u> (MSA) 3. Meter Can Size <u>IR (146)</u> (amps) x # Meters <u>1</u> (FP) 4. Meter Can Size _____ (amps) x # Meters _____ (For multiple meters attach a list of unit #'s.) Number of existing meters: <u>0</u> Total number of meters after job is complete: <u>3</u>	<b>(f) Meter Enclosure(s):</b> Click here for list of approved <a href="#">meter socket</a> and <a href="#">meter hub</a> specifications and mfg #'s. <b>AE Metering Questions;</b> <a href="mailto:AEDistributionMetering@austinenenergy.com">AEDistributionMetering@austinenenergy.com</a>
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-----For internal use only-----

<input type="checkbox"/> Design Required AE Work Request Number (WR#) _____ <input type="checkbox"/> Service Only AE Rep: _____ Phone: _____ Date: _____ Comments: _____	Approval Stamp Verification
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