

# *RMA Clearances Guide*

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## *RMA Clearances*

- The Renewable Meter Adapter (RMA) was developed to simplify the interconnection process for residential rooftop solar PV systems.
- Most electrical panels meet all necessary clearances and are suitable for the RMA.
- Some electrical panels do not have necessary physical clearances and the RMA is not suitable in these cases.
  - Refer to the following slides for examples

These panels have acceptable physical clearances for the RMA



## ACCEPTABLE

Most panels can accommodate the RMA.

*Approximately 70% of panels*



The conduit exits the RMA collar at the 12 o'clock position

## ACCEPTABLE

A revised RMA is available for panels with a section above the meter socket.

*Approximately 25% of panels*



The conduit exits the RMA collar at the 9 o'clock position

These panels have **unacceptable** physical clearances for the RMA (approximately 5%)

**Smaller overhead/underground fed panels**



No room to install Polaris Adapter



**GE panel with metal divider**

Identified by General Electric stamped and hinges on panel door (panel with lip is OK)

General Electric stamped panel



With metal hinges under the meter



Metal divider



Internal metal divider prevents installation of the RMA

These panels have unacceptable physical clearances for the RMA

### Overhead to Underground Conversions

Meyers  
OH/UG  
Conversion  
Panels



Stand  
Alone  
Meters

### Insufficient Space for RMA Disconnect Box

Panels on  
Service  
Poles



Panels with  
Multiple  
Meters

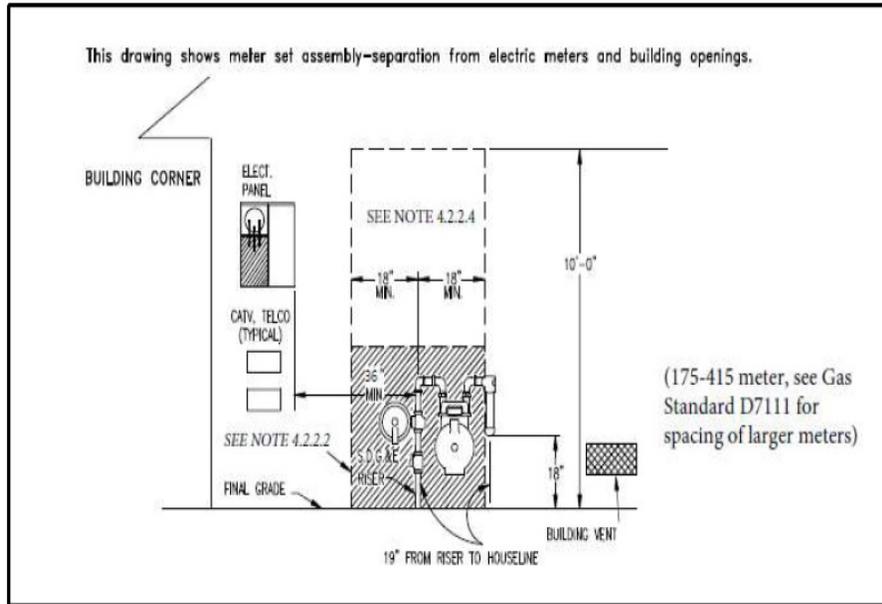


Necessary RMA equipment cannot be installed in these cases.

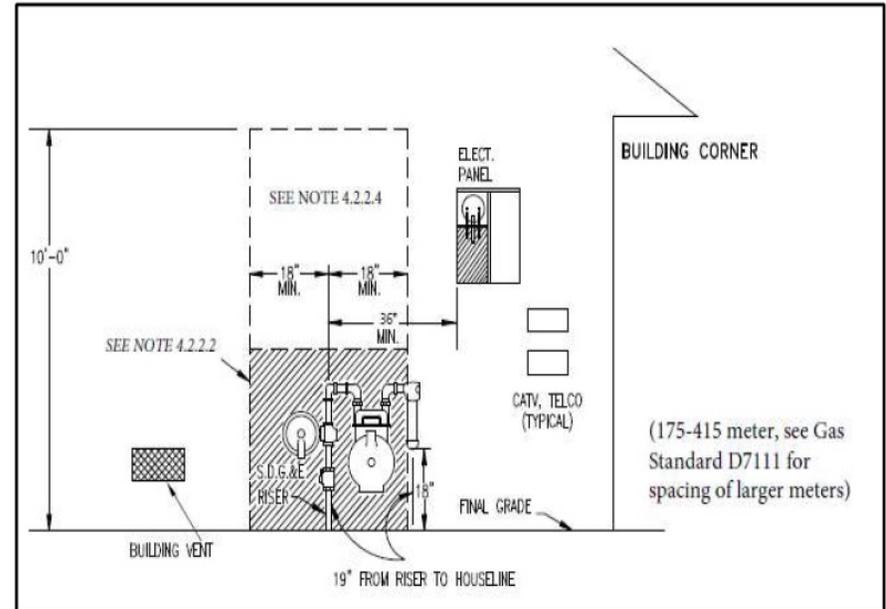
# SDG&E® Gas Standards must be maintained:



Please refer to the **Electric Service Standards & Guide Manual**



Drawing shows the existing MSA with respect to Electrical panel clearance to the left of the Gas riser.



Drawing shows the existing MSA with respect to Electrical panel clearance to the right of the houseline.

**\*\*Note the gas requirements have changed from 24" to 36" on either side of the SDG&E gas riser. \*\***

**NOTES:**

1. SIZE AND DIMENSIONS OF PANELS WILL VARY. DRAWINGS ARE NOT TO SCALE.
2. WALL AREA (SHADED AREA) BEHIND METER SET ASSEMBLY INCLUDING HEADERS, MUST BE FREE OF ANY OBSTRUCTIONS SUCH AS WATER PIPES, HOSE BIBS, SEWER CLEAN OUTS, DRAIN SPOUTS, ELECTRIC CONDUITS, ETC.
3. MAINTAIN 3 FEET CLEAR AND LEVEL WORKING SPACE IN FRONT OF GAS AND ELECTRIC METERS.
4. NO BUILDING VENT, WINDOW, CATV, TELCO, OR OTHER OPENINGS COVERED OR UNCOVERED ARE ALLOWED WITHIN 3 FEET (36") FROM THE SDG&E GAS RISER, AND FROM FINAL GRADE TO A HEIGHT OF 10 FEET. FIXED WINDOWS ARE ACCEPTABLE. WIRING METHODS, EQUIPMENT AND DEVICES DESIGNED FOR CLASS 1, DIVISION 1, NATURAL GAS LOCATIONS ARE PERMITTED WITHIN THE UPPER 5 TO 10 FOOT AREA ABOVE THE GAS METER ASSEMBLY.
5. ELECTRIC BONDING TO OR USE OF SDG&E GAS SERVICE PIPING, GAS RISERS OR METER FACILITIES FOR ELECTRIC GROUNDING IS NOT PERMITTED.

## Dial 811 Before You Dig



- Gas pipelines can be located anywhere — under streets, sidewalks or even your yard. Damaging a pipeline can cause a dangerous break or leak that results in injury or expense.
- Dial 811 or submit a location request at [www.call811.com](http://www.call811.com) at least two business days in advance.
  - *Even if you've hired a contractor, make sure the contractor calls 811 to have lines marked.*
  - SDG&E will mark the location of buried utility-owned gas pipelines and other lines, free of charge.
  - Only use hand tools to dig within 24 inches of marked gas lines.
- Notify us immediately if you damage a pipeline
  - Call 1-800-411-7343 immediately. No damage is too small to report. Even a slight gouge, scrape or dent could impair pipeline function or lead to a leak.