



**Meter Equipment Group – Approved Meter Enclosures**

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# Mission Statement

- Duke Energy adopted the Meter Equipment Group (MEG) approved meter enclosure list to standardize self-contained meter enclosures across the Duke Energy enterprise to ensure that such equipment is safe and reliable.

# Background

- Duke Energy has different yet similar specifications for enclosures across the enterprise.
- When enclosure issues arise they are handled on a case by case basis with each jurisdiction handling the situation differently.
- Some enclosures have been grandfathered into acceptance without a formal review.
- As incidents arise products need to be reevaluated.

# Motivation

- In order to ensure the company is operating safely and consistently all areas shall comply with a single overarching specification.
- Manufacturers:
  - A single standard will simplify the required stock.
- Contractors:
  - A published unified approval list will ensure the correct enclosure is installed.

# MEG Organization

- Multiple utilities have joined the MEG because the approved list provides a thorough review process ensuring safe equipment.
- Governing Participants:
  - Duke Energy
  - Florida Power & Light
  - Gulf Power Company
  - Oklahoma Gas & Electric
  - Tampa Electric

# Specifications

- The MEG specifications cover:
  - Construction material
  - Spacing
  - Wiring
  - Grounding
  - Socket jaws
  - Terminal connectors
  - Manual lever bypass
  - Knockouts/hubs
  - Sealing/tampering
  - Markings

# Approved Manufacturers

- Manufacturers:
  - Durham
  - Eaton B-Line
  - Eaton-Cutler Hammer
  - Elec.Prod.
  - Emerson
  - General Electric
  - Landis & Gyr/Talon
  - Midwest
  - Milbank
  - Murray
  - Siemens
  - Square D



# Sample of Approved List Section



Participants: DUKE, FPL, GULF, OGE, TECO

## Approved Metering Equipment Enclosure List

Revised  
2/5/2016

Manufacturer	Amps	Catalog Number		Phase	Service	Pos	Term	Bypass	Config
Milbank	125	UAP3506-XL-TG-HSP		3	Ov/Un	1	7	Y	4 AI
Milbank	125	UAP8435-XL-TG-HSP		1	Ov/Un	1	4/5	N	1,2 AI
Milbank	150	U123y-X-HSP	(y=2-6)	1	Ov/Un	2-6	4/5	N	1,2
Milbank	150	U3312-XL-TG-HSP		1	Ov/Un	1	4/5	N	1,2
Milbank	150	U513y-O-150P-FMG	(y=6-7)	1	Under	1-2	4/5	N	1,2
Milbank	150	U513y-O-150S-FMG	(y=6-7)	1	Under	1-2	4/5	N	1,2
Milbank	150	U5842-RL-150-HSP		1	Over	1	4	N	1
Milbank	150	U6266-XTL-150-HSP		1	Ov/Un	1	4/5	N	1,2
Milbank	150	UAP123y-X-HSP	(y=2-3)	1	Ov/Un	2-3	4/5	N	1,2 AI
Milbank	200	CP3B52519R22SSSGSP1		3	Un-Ped	1	7	Y	4 SS

# Scope

- The MEG requirement will be applicable to all new self-contained meter enclosure installations.
- If a repair requires the meter enclosure to be changed, then an MEG approved enclosure is required.
- If a service repair is performed without interfering with the existing meter enclosure it is not required to replace the existing enclosure with an MEG approved enclosure.

# Temporary Services

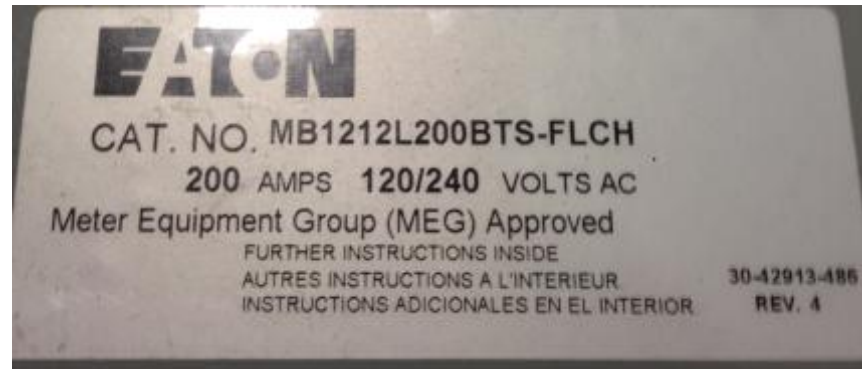
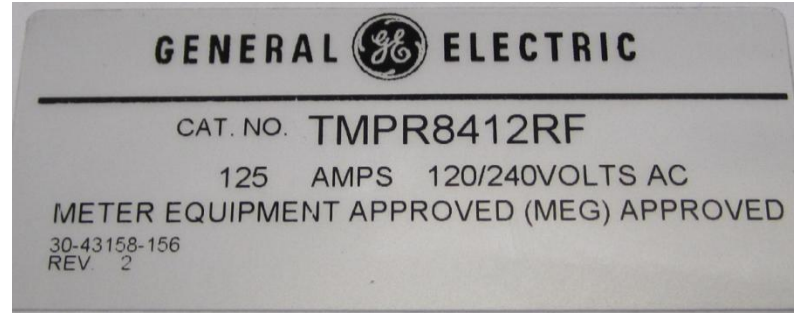
- Meter sockets currently installed on existing temporary service poles or boards used for temporary construction services can continue to be used.
- Newly constructed temporary construction service poles or boards should be built with MEG approved sockets.

# Locating Approved List

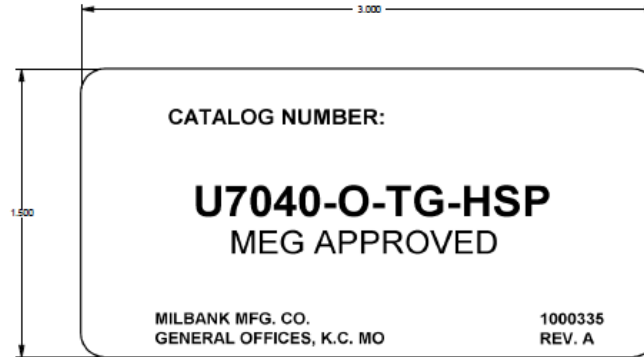
- To review the latest MEG approved equipment list take the following steps:
  - Visit [www.duke-energy.com](http://www.duke-energy.com)
  - Enter “approved enclosure” in the search box
  - Click the search result titled “[PDF] Enclosure List: Approved Meter Equipment”

<http://www.duke-energy.com/pdfs/MEG-Approved-Sockets.pdf>

# Sample MEG Labels



# Sample MEG Labels



# Timeline

Date	Event
Jul-2001	The MEG (FMG at the time) formed with three utilities.
Jan-2015	Duke Energy became a member of the MEG.
Jul-2016	Duke Energy field performers will begin rejecting meter enclosures that are not on the approved list.

# Our Commitment

- **We understand...**
  - that this requirement will take a certain degree of change management.
- **We believe...**
  - the long term benefits to customers and electric delivery personnel of using standardized meter enclosures (that have been inspected by utility personnel and field tested for safety and ease of use) far outweigh the short term difficulties.
- **We appreciate...**
  - your understanding and cooperation.



**ANY QUESTIONS?**