

Field Services

Tom Hoerig



De-Rates

- Waiting for the inspector
- Web-ex inspections
- Missing or incorrect parts
- Volume of De-rates

Crew	Shift	06:00	08:00	10:00	12:00	14:00	16:00	18:00
(Planned)	02-11-2020 07:00AM		EX SLRD	EX	P5 EX	L SLRD EX	EX P5	IN EX
(Planned)	02-11-2020 07:00AM		P5 EX	EX SLRD	EX P5 P5 P5	L P5	IN IN	IN IN IN IN B2
(Planned)	02-11-2020 07:00AM							
(Planned)	02-11-2020 07:00AM		IN SLRD SLRD	SLRD IN	L EX SLRD	EX	EX P5 EX P5 P5	
(Planned)	02-11-2020 07:00AM		P IN SLR	SLR E	IN L E E E	IN IN	E E IN E E P	
(Planned)	02-11-2020 07:00AM		SLRDF EX	SLRDF	SLRDF L EX P5 EX	EX P0 EX	EX	
(Planned)	02-11-2020 07:00AM		IN	P5 P5 EX	P5 P5 P5 L P5 EX	P5 EX EX	EX P5	
(Planned)	02-11-2020 07:00AM		EX P5 P5	EX EX	L M	EX	P5 EX P5 P5 EX	
(Planned)	02-11-2020 07:00AM							
(Planned)	02-11-2020 07:00AM		SLRD SLRD SLRD	L SLRD	SLRD SLRD EX P0 EX EX EX	EX EX	EX IN IN	
(Planned)	02-11-2020 07:00AM		M EX M	EX EX EX EX	L EX EX EX EX EX EX	B2	IN B2	
(Planned)	02-11-2020 07:00AM		P P P P P P P P P P	P P P P P P P P P P	P P P P P P P P P P	P P P P P P P P P P	P P P P P P P P P P	
(Planned)	02-11-2020 07:00AM		EX SLRD	SLRD EX	EX P5 L EX	P5 P5 P5 P5	EX P5	IN EX

Line Side Tap



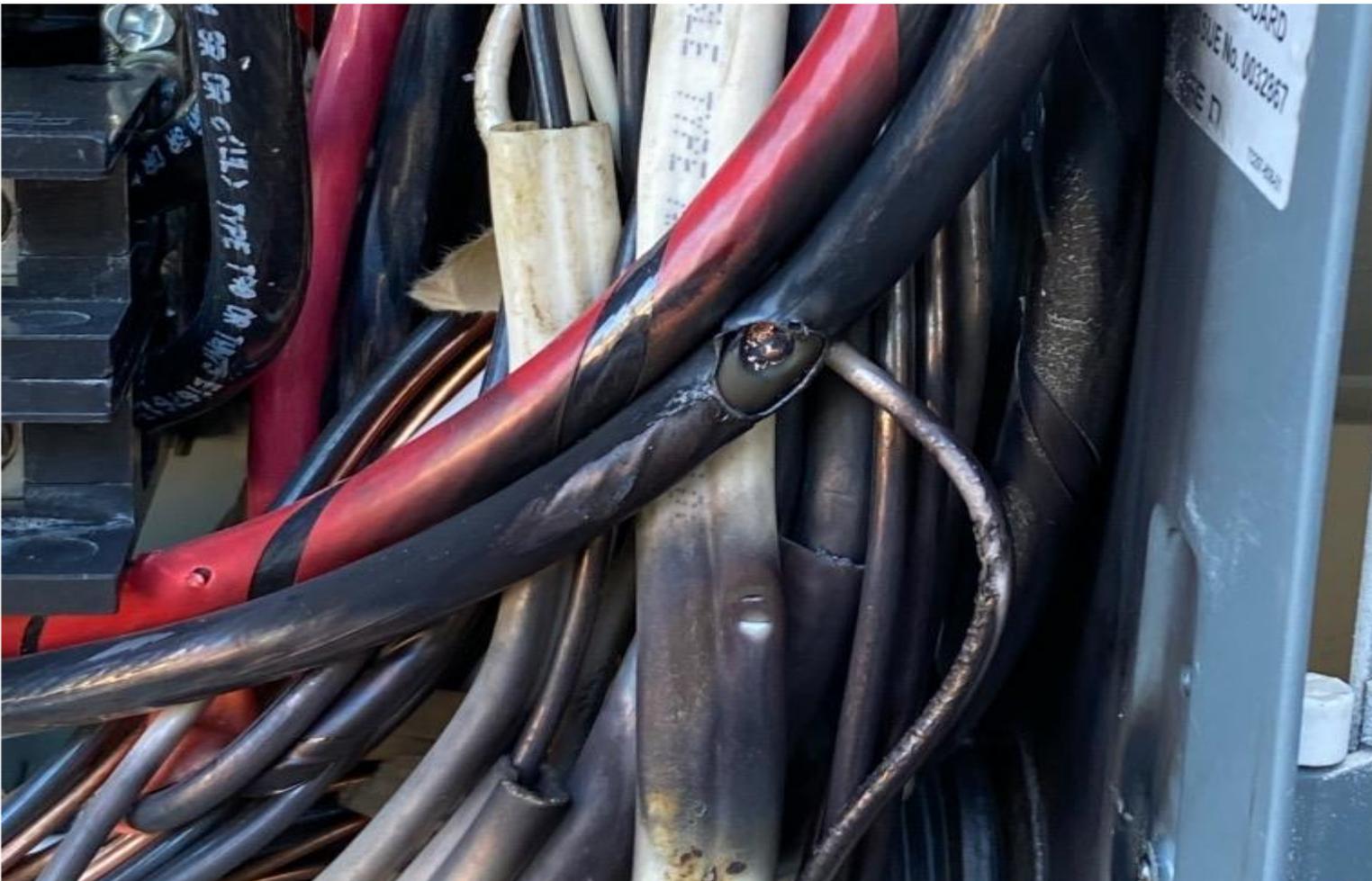
Wire Connector 25003480





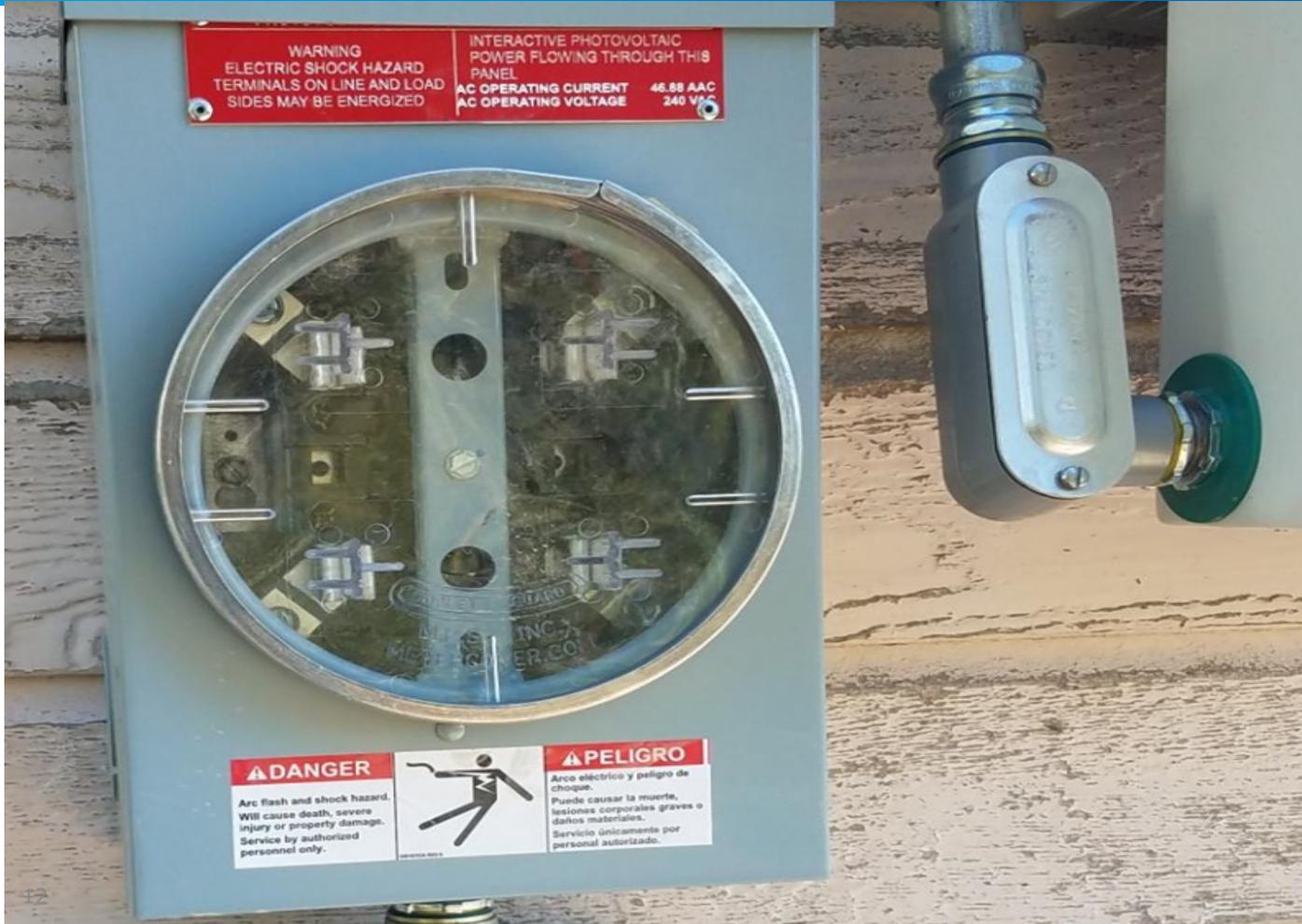
Meter Set Failures

- Labeling is one of the most common reasons for a solar system to fail for meter sets.
- We require production sockets and disconnects to be labeled clear and concise.
- Line side tap labeling.
- Wiring meter sockets and the UDS.

















SG TYPE BI-DIRECTIONAL PRODUCTION METER



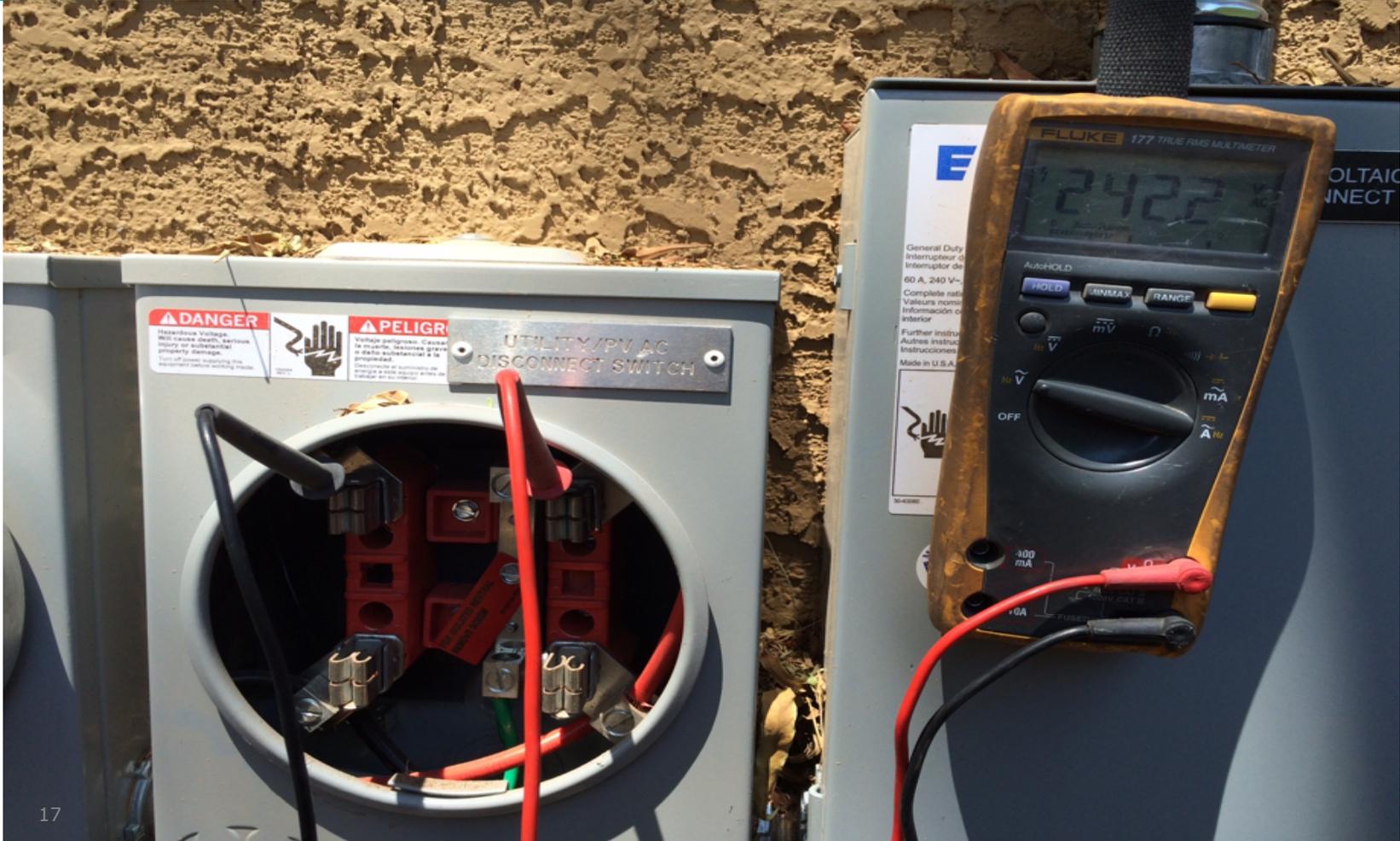
MONO-DIRECTIONAL PRODUCTION METER



PHOTOVOLTAIC SYSTEM DEDICATED KWH METER

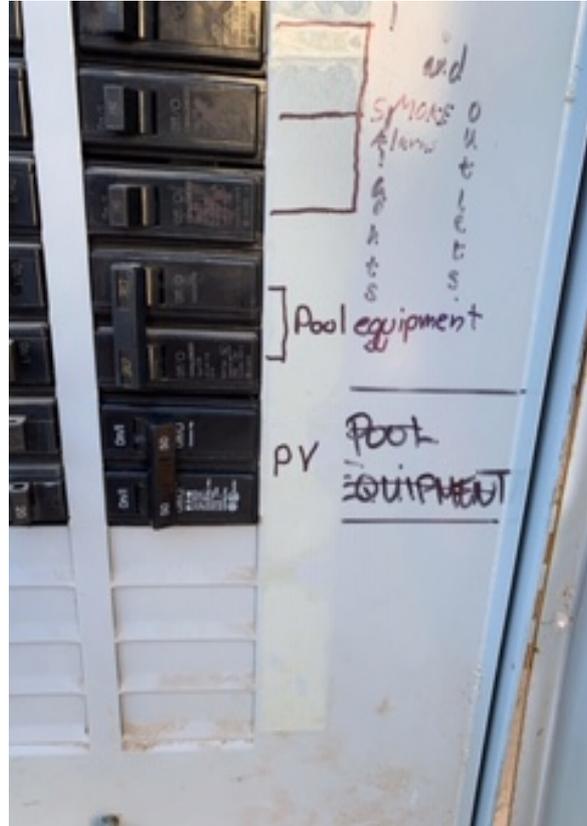
APS OWNED
ENERGY STORAGE SYSTEM
BI-DIRECTIONAL kWh METER (1 OF 2)

APS OWNED
BACKED-UP LOADS
UNI-DIRECTIONAL kWh METER (2 OF 2)













Serviceman Feedback

- De-Rate employees are not properly trained for changing out customers main breaker.
- Learn as you go training.
- Solar tech unable to re-secure new main breaker.

Wasted Truck Rolls

- Cost
- Customer Expectation
- Lost Production
- Missing/ Wrong Parts
- Incomplete Installation

Questions?