

# THE EASY CONNECTION ACT

*True Net Metering & Simple  
Interconnection for Renewables in  
Missouri*

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Renew Missouri

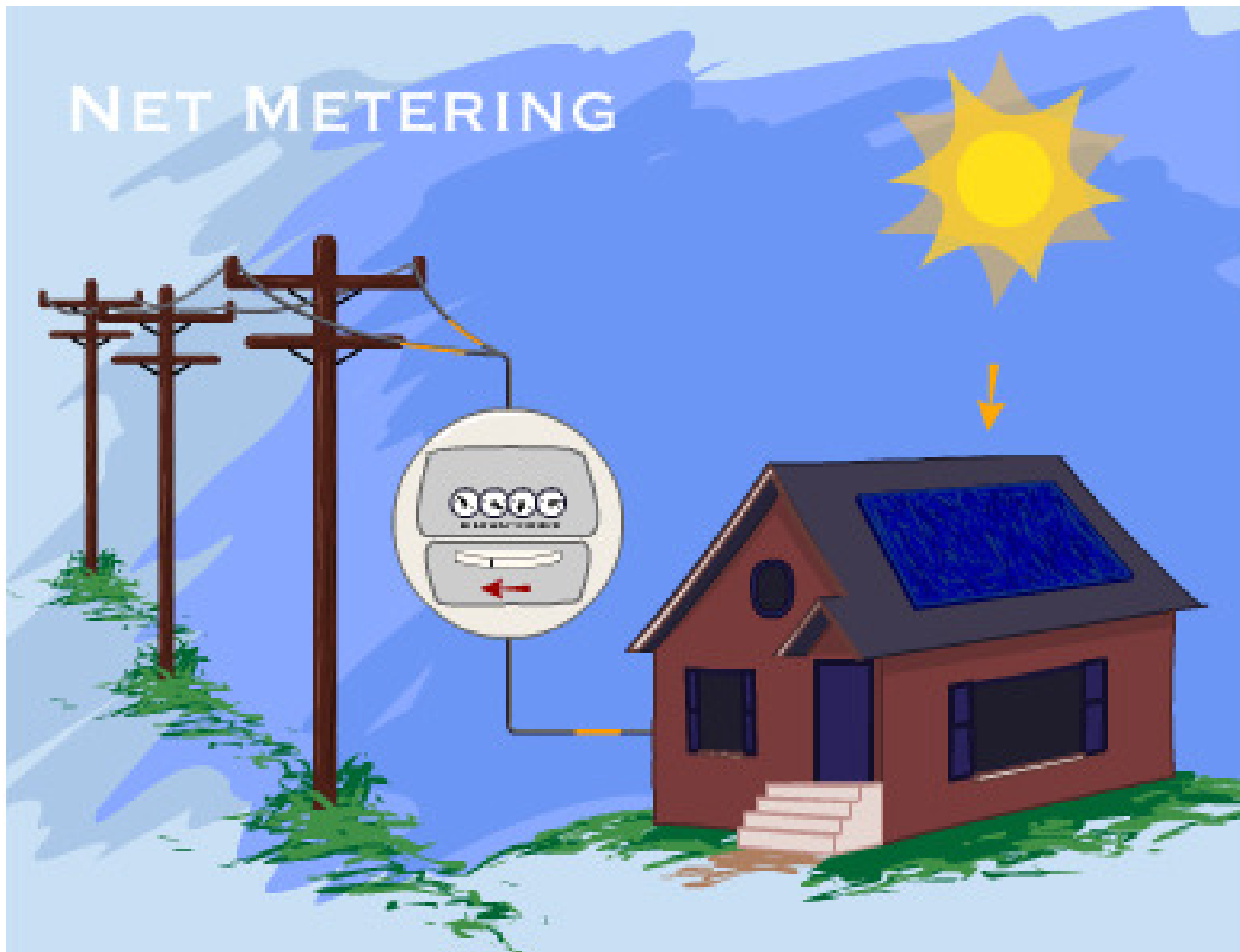
USGBC-St. Louis

July 17<sup>th</sup>, 2007

# Net Metering: What is it?

- Net
  - Total in ( minus ) total out = Net
  - One-For-One
- Metering
  - Electricity is traditionally measured with individual meters on each house / building / apartment
  - Best Practices is “One Meter”, which spins both ways

# Net Metering Animated



# Simple Interconnection

## What Is It?

- Application Process
- Required Paperwork
- Timeframe for Interconnection
- Insurance Requirements
- Safety Requirements

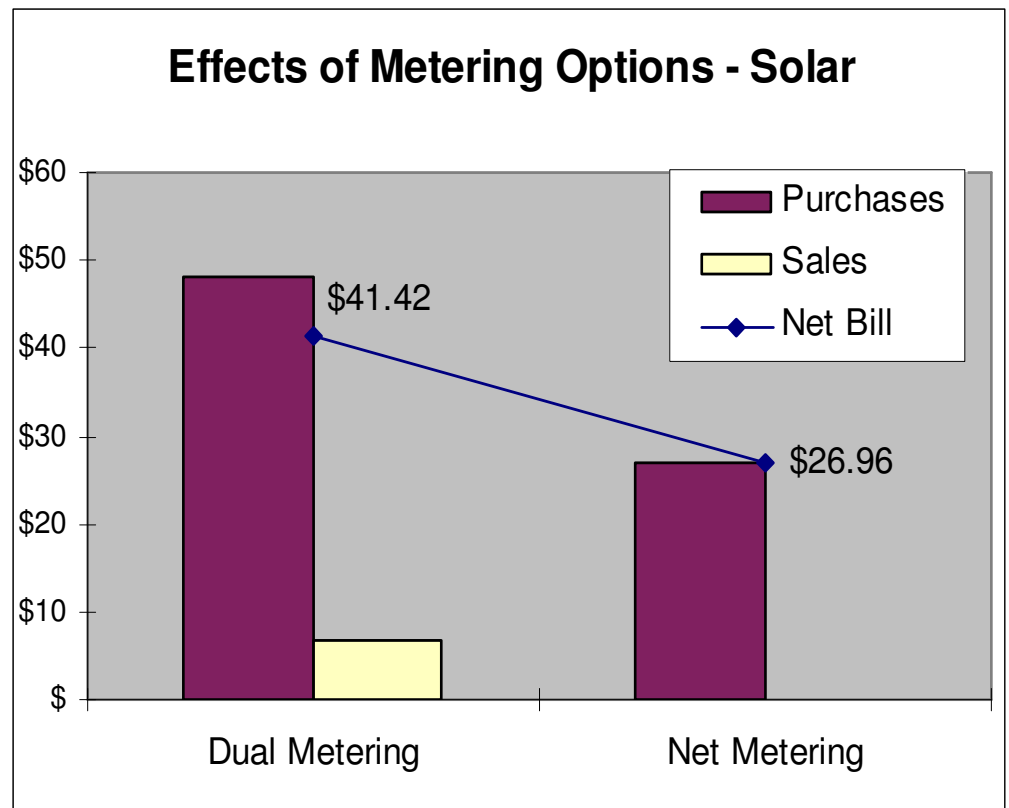
- Applications that benefit from new legislation
  - Homeowners
  - Business Owners
  - Anyone who uses electricity!

- Things are better now (how?)
  - Easier
  - Quicker
  - More Economical
  - Less Insurance
  - Practically all Obstacles Removed

# Effects on Utility Bill w/ Solar PV

## Assumptions:

- 2 kWp solar PV System
- PV system generates 263 kWh/month
- Residence uses 600 kWh/month
- Retail price: \$0.08/kWh
- “Avoided cost” price is \$0.025/kWh



Source: Tom Starrs

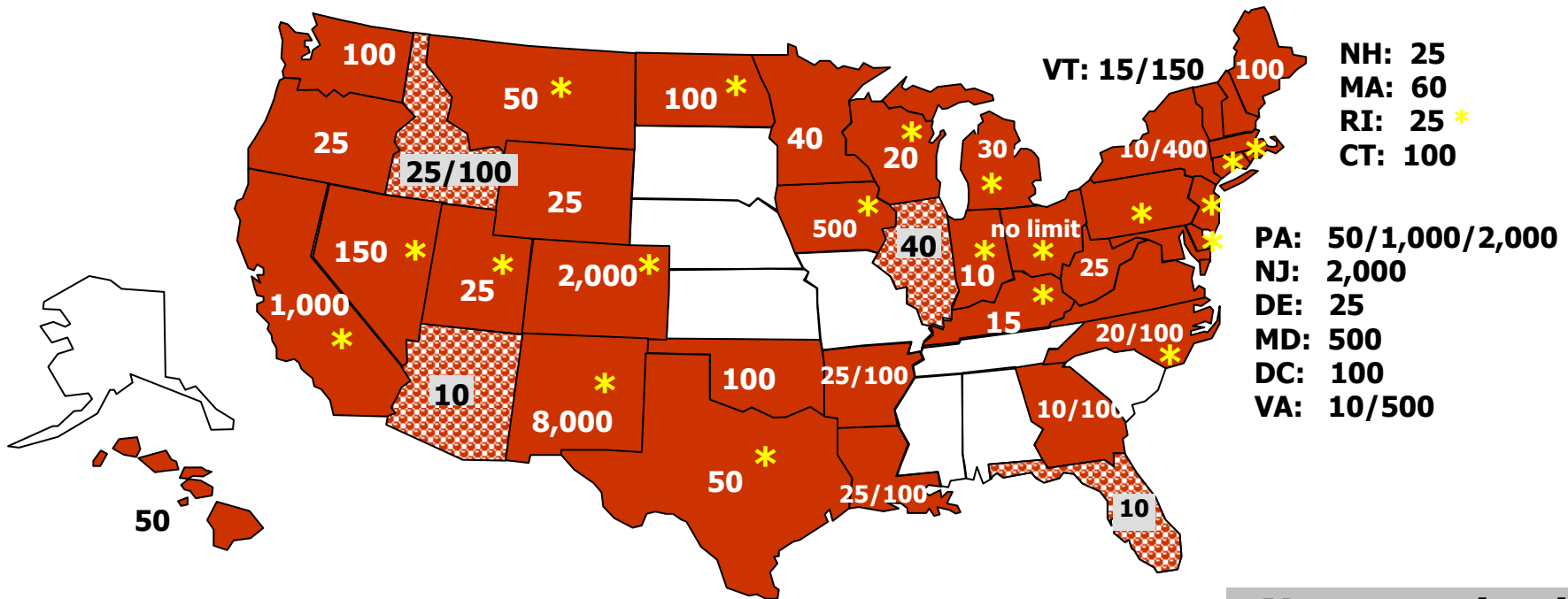
# 2 Tiers Explained

	0 → 10 kW	10 → 100 kW
Interconnection Fee	\$0	TBD by PSC
Application Paperwork	1 Page, Simple	TBD by PSC
Insurance Requirements	None	TBD by PSC
Monthly Fee	\$0	\$0
Meters Required	1 Bi-Directional or 2	1 Bi-Directional or 2
Necessary Upgrades to Utility Equipment	None	Normally None - TBD by Utility

# Unique & Noteworthy Aspects of Approach

- Approach: State Legislation
  - Uniform for all utilities
    - Investor-Owned (Ameren, KCP&L, Empire)
    - Associated Electric Cooperatives
    - Municipal-Owned Utilities
  - The only approach that works in the USA
    - Federal attempts have failed
    - City attempts are rare (Columbia MO, Austin TX)
    - 42 states now have some form of “true” net metering

# Net Metering

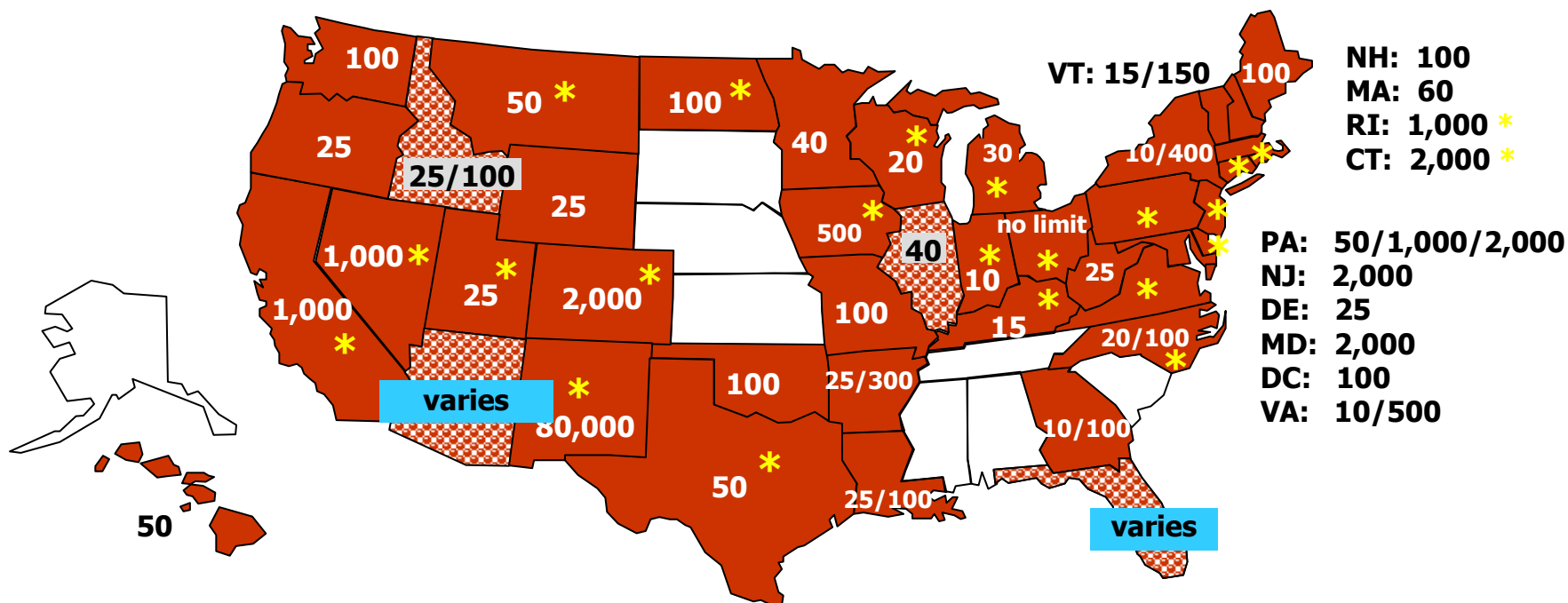


- State-wide net metering for all utility types
- \* State-wide net metering for certain utility types (e.g., IOUs only)
- Net metering offered by one or more individual utilities

#s indicate system size limit (kW); in some cases limits are different for residential and commercial as shown

**Net metering is available in 41 states + D.C.**

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