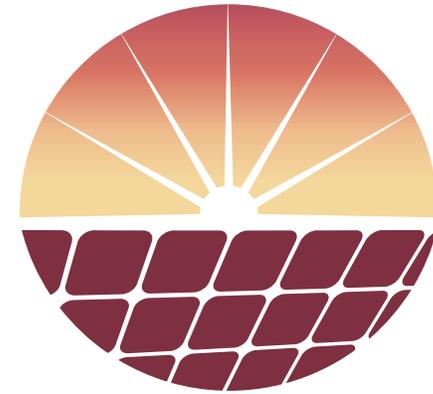


Lindsey Pever

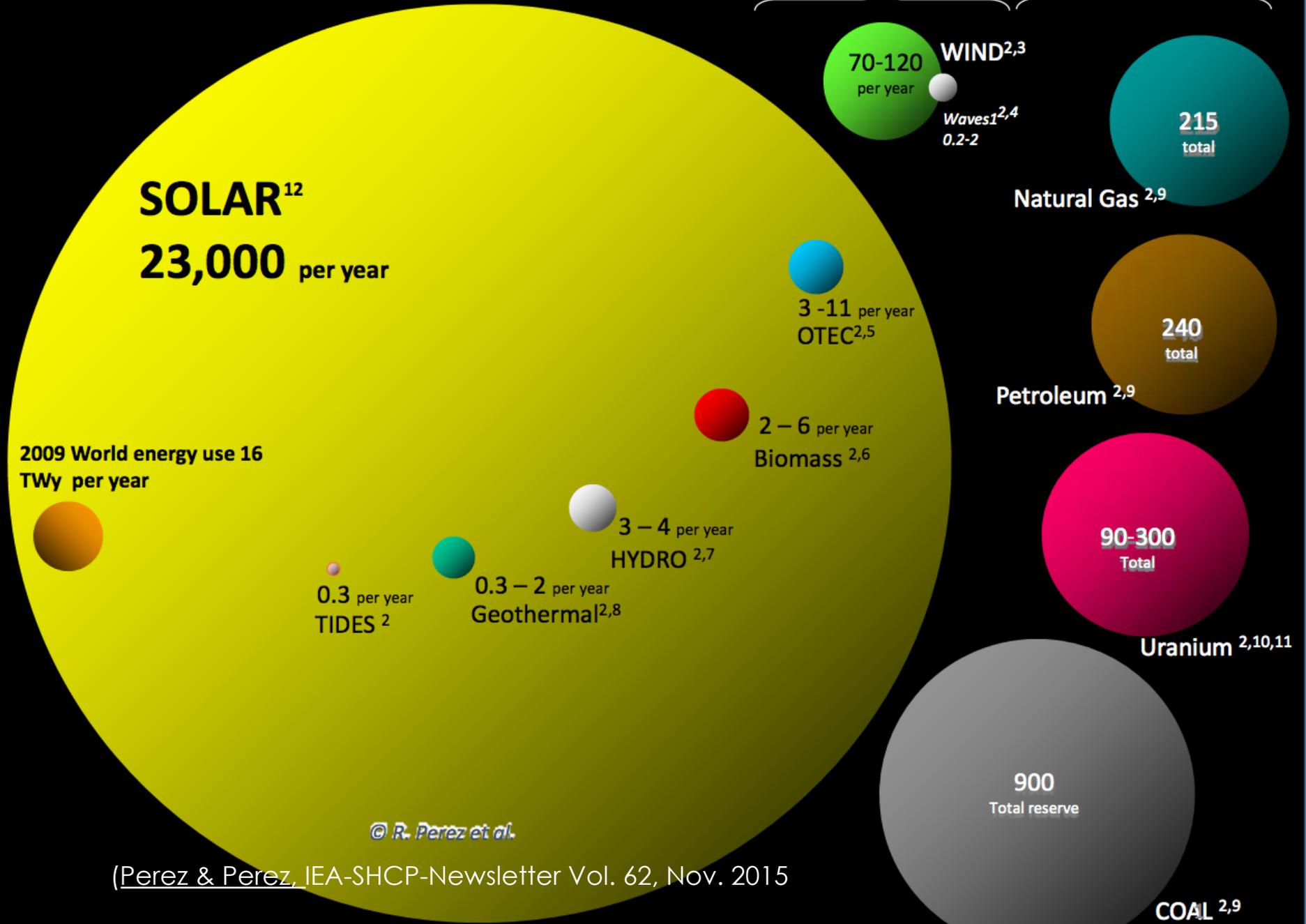
*Oklahoma Solar
Association*

&

A New Energy, LLC



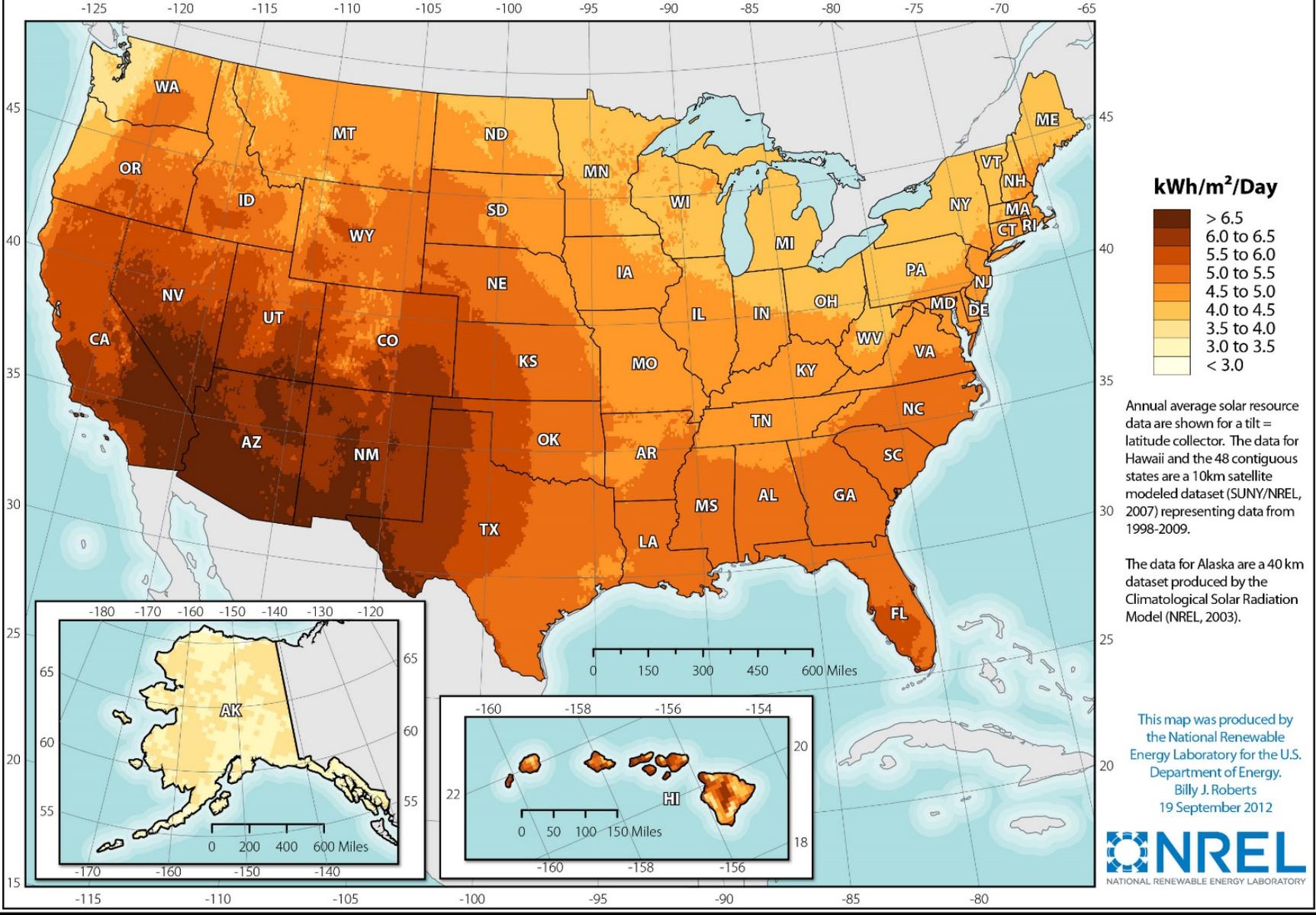
OKLAHOMA
SOLAR ASSOCIATION



© R. Perez et al.

(Perez & Perez, IEA-SHCP-Newsletter Vol. 62, Nov. 2015)

Photovoltaic Solar Resource of the United States



Benefits of Solar Power

- PROVIDES INDIVIDUAL FREEDOM TO CHOOSE ENERGY SOURCE
- OFFERS SECURITY/RESILIENCE (MILITARY, GOVERNMENT, HOSPITALS)
- MORE ABUNDANT, LESS VOLATILE THAN FOSSIL FUEL SOURCES
- ATTRACTS NEW INVESTMENT
- DELIVERS ELECTRICITY DURING PEAK DEMAND
- AFFORDS COST SAVINGS FOR CUSTOMERS
- FORESTALLS THE NEED TO BUILD NEW, COSTLY POWER PLANTS, AND EVENTUALLY TRANSMISSION

Benefits of Solar Powered-Schools

- PROVIDES COST SAVINGS
- OFFERS HEDGE AGAINST FUEL/UTILITY PRICE INCREASES
- BUILT-IN STEM EDUCATION (literally)
- NUMEROUS FREE RESOURCES
- ADDITIONAL INCOME OPPORTUNITIES ON SCHOOL-OWNED LAND

Impediments to Solar



STATUTORY:
TITLE 17



REGULATORY:
OCC



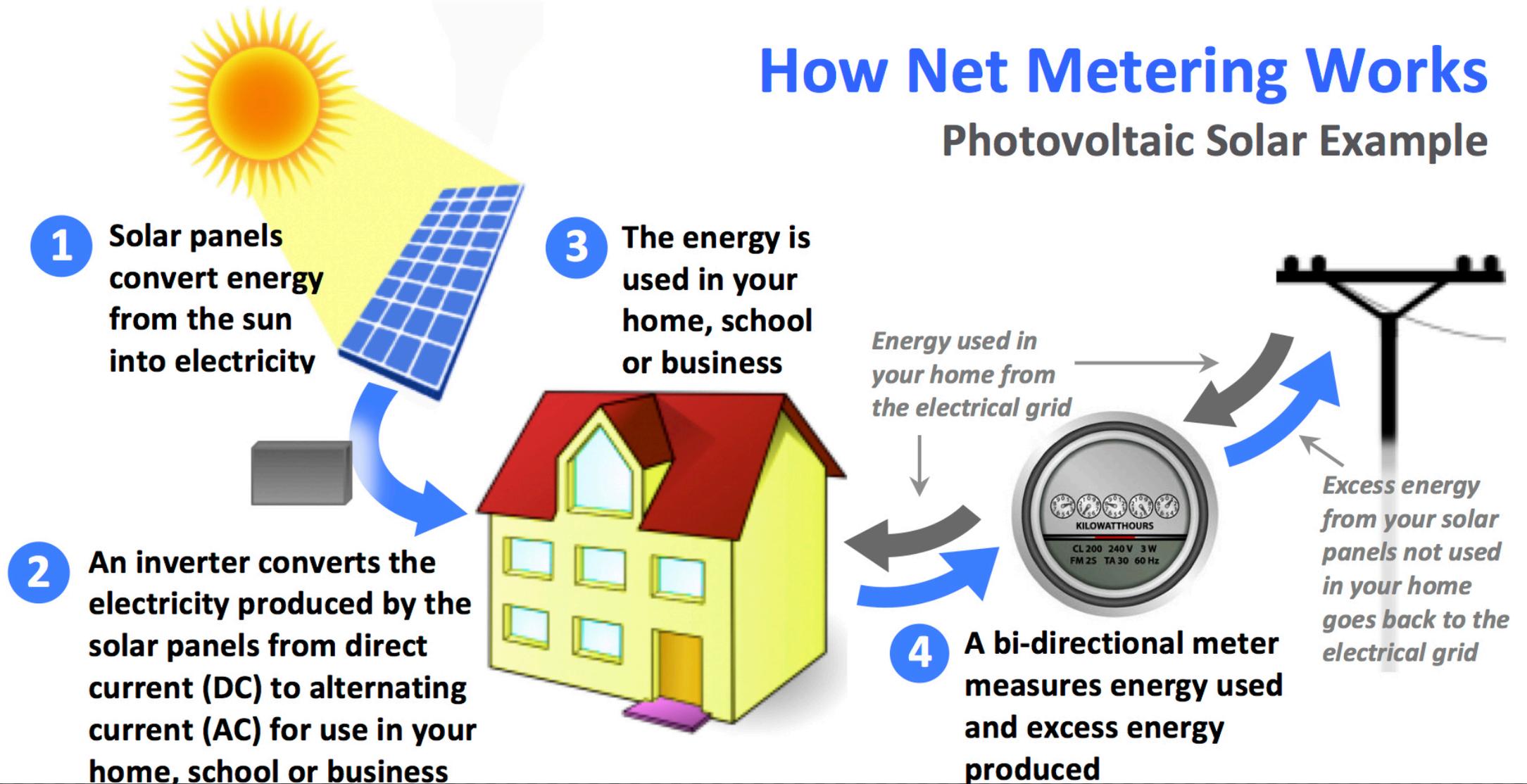
COMMERCIAL:
FINANCING

S.B. 1456

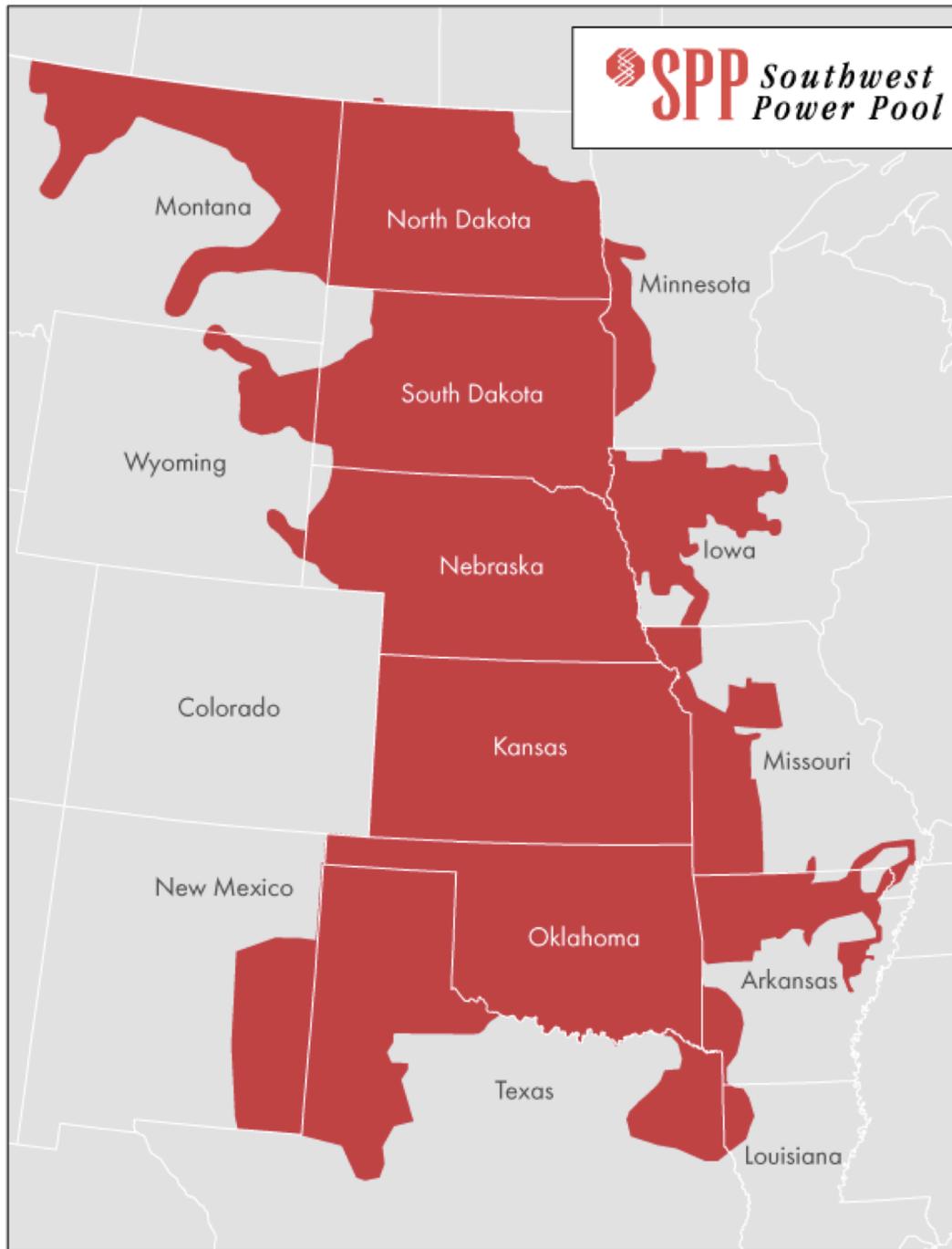
B. ~~No public utility~~ retail electric supplier shall increase rates charged or enforce a surcharge ~~on the basis of the use or installation of a solar energy device by a consumer~~ above that required to recover the full costs necessary to serve customers who install distributed generation on the customer side of the meter after the effective date of this act.

How Net Metering Works

Photovoltaic Solar Example



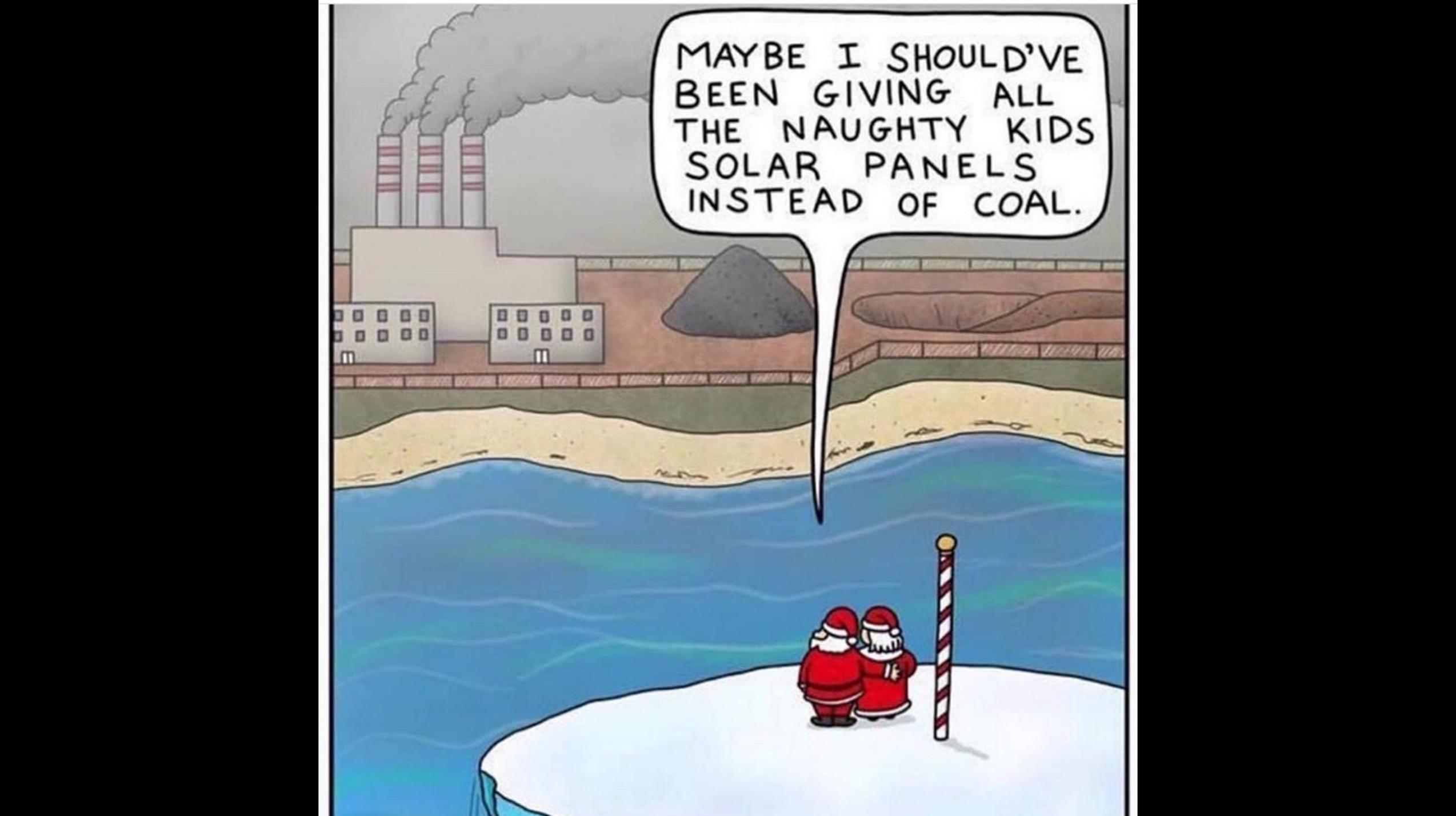
| | Third-Party PPA (Power Purchase Agreement) | Third-Party Lease | Customer-Owned PV System |
|------------------------|--|----------------------|-----------------------------|
| Incorporated Area | Allowed | Allowed | Allowed |
| Unincorporated Area | Disallowed | Allowed | Allowed |



The Electrification of Almost Everything



Courtesy: Chairman Hochschild, California Energy Commission

A cartoon illustration of two Santa Claus figures standing on a small, white ice floe in the middle of a blue body of water. To their right is a tall, thin, red-and-white striped pole with a yellow ball on top. In the background, a large industrial factory with several smokestacks is emitting thick grey smoke. A large pile of dark grey coal sits on the ground near the factory. The scene is set against a grey, overcast sky.

MAYBE I SHOULD'VE
BEEN GIVING ALL
THE NAUGHTY KIDS
SOLAR PANELS
INSTEAD OF COAL.

SUNNY OPTIMISM FOR THE FUTURE



CREDIT: Inside Climate News; Lincoln Barbour