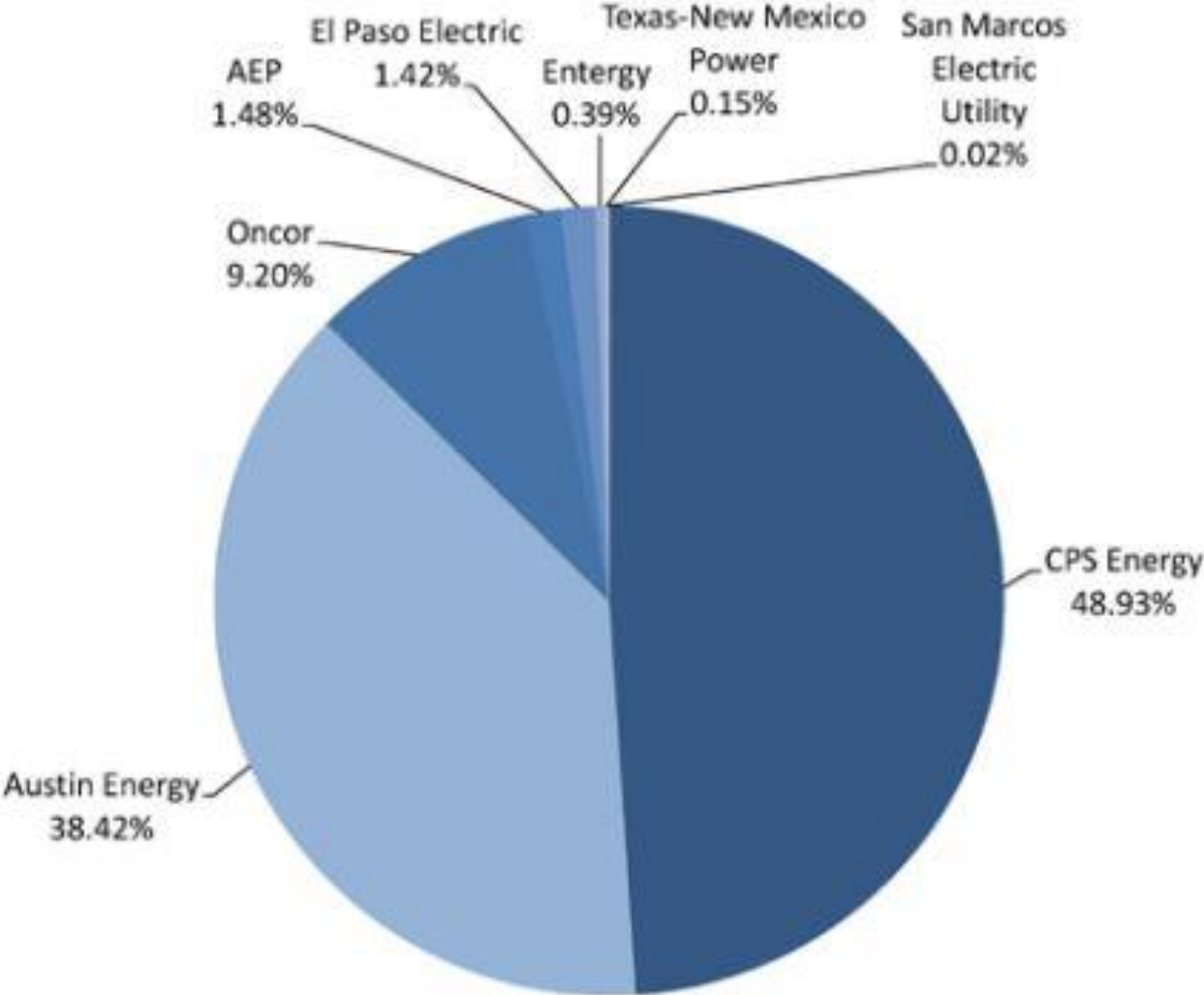


Setting a bold new goal for solar in San Antonio

Luke Metzger
Director, Environment Texas



San Antonio leads on solar in Texas...



...and nationally

City	State	Total Solar PV Installed (MW-DC)	Total Solar PV Rank	Per Capita Solar PV Installed (Watts-DC/Person)	Per Capita Rank
Honolulu	HI	96	6	276	1
Indianapolis	IN	107	4	127	2
San Jose	CA	105	5	110	3
San Diego	CA	149	2	110	4
Wilmington	DE	7	28	101	5
New Orleans	LA	36	10	94	6
Denver	CO	58	8	89	7
Newark	NJ	22	16	78	8
Phoenix	AZ	115	3	76	9
San Antonio	TX	88	7	63	10
Raleigh	NC	27	13	62	11
Sacramento	CA	25	14	53	12
Salt Lake City	UT	10	24	50	13
Albuquerque	NM	28	12	50	14

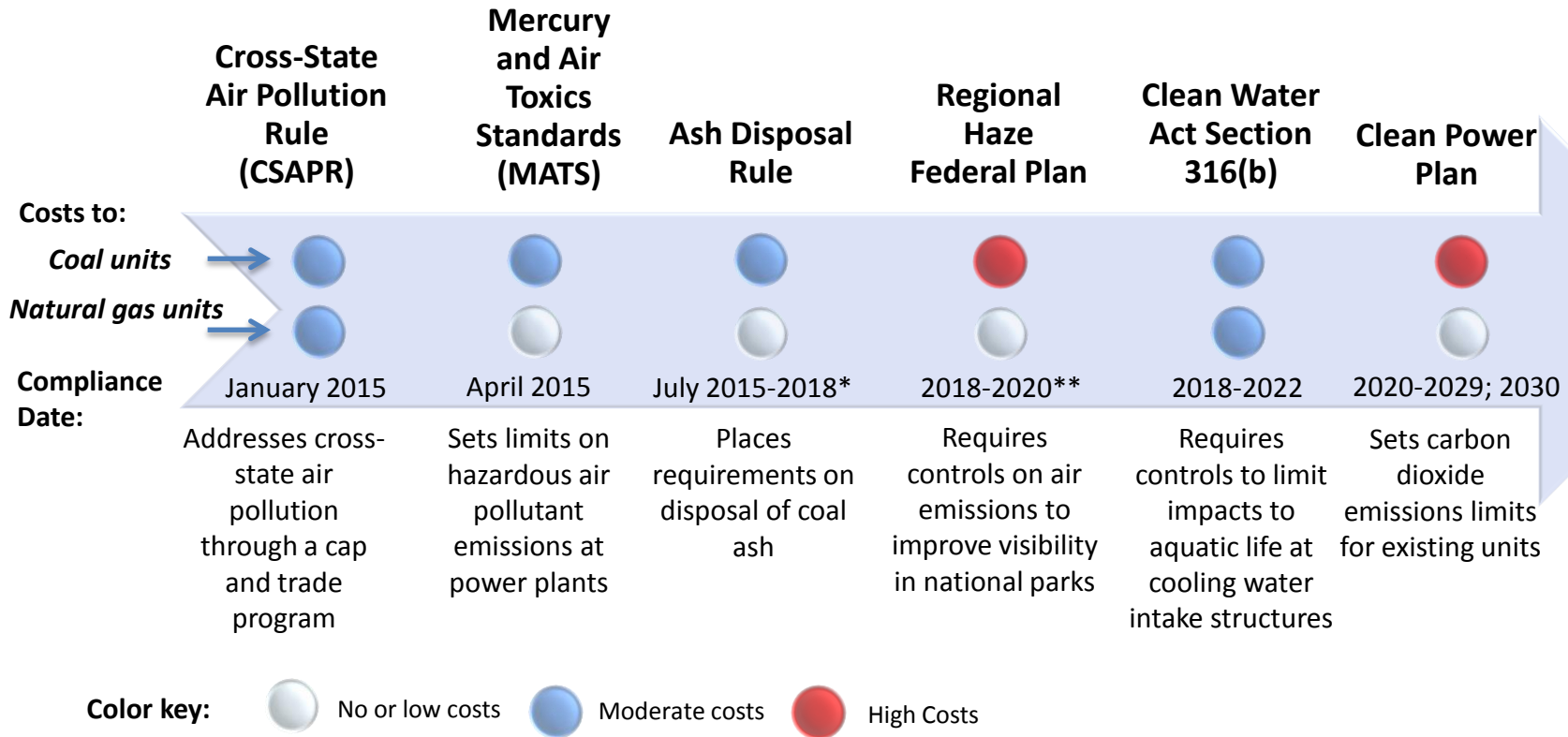
7000 solar jobs in Texas



But we need to do more



Environmental regulations will require cleaner energy



*Longer timeframes for facilities required to close. Does not include the proposed Steam Electric Effluent Limitation Guidelines (ELG) rule.

**Subject to timing of final rule

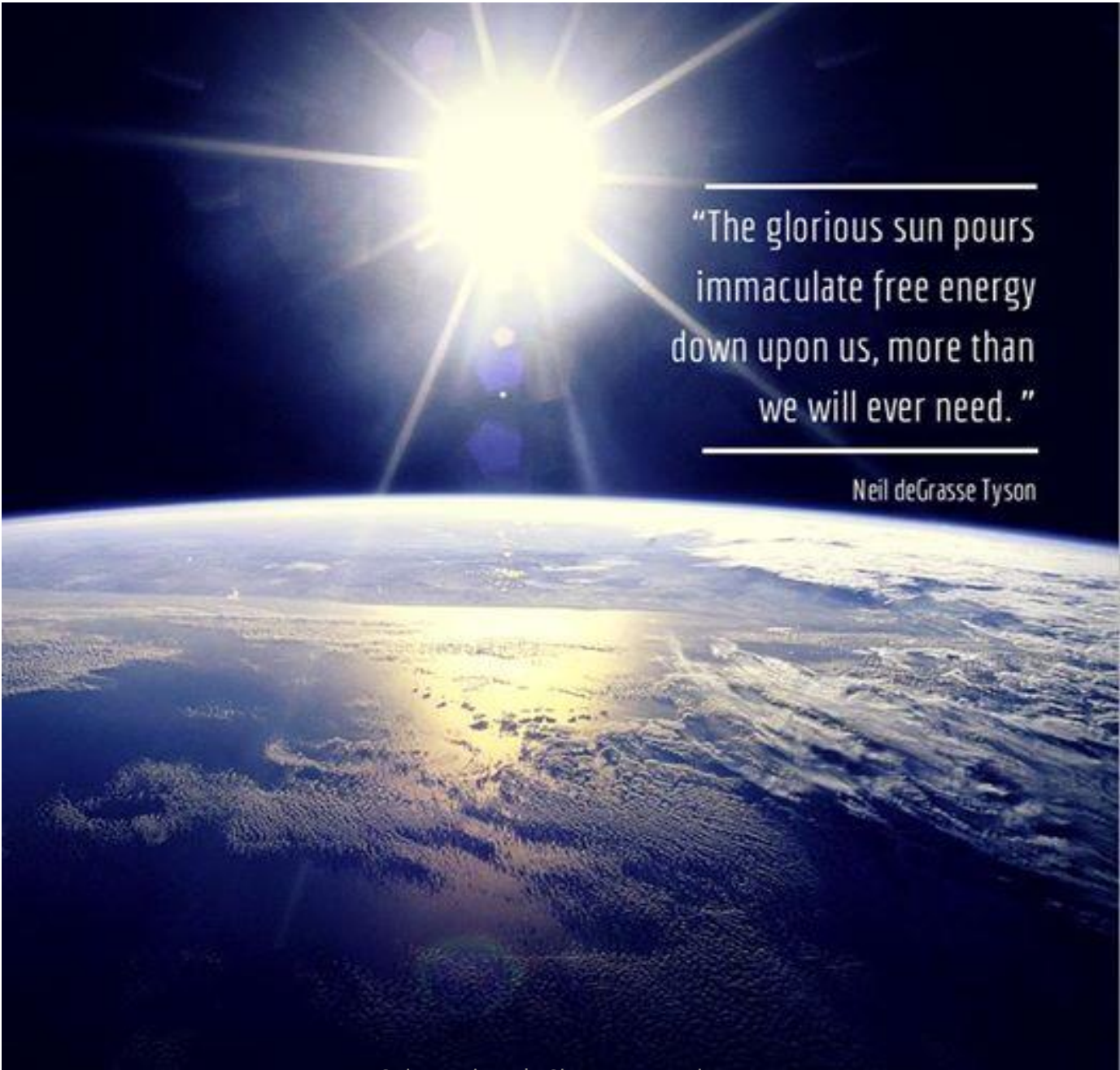
And San Antonio's solar leadership is not secure



**Austin Raises Solar Goal To 950
MW By 2025**

The Dallas Morning News

**Georgetown to go 100% renewable
energy, first in state, city says**

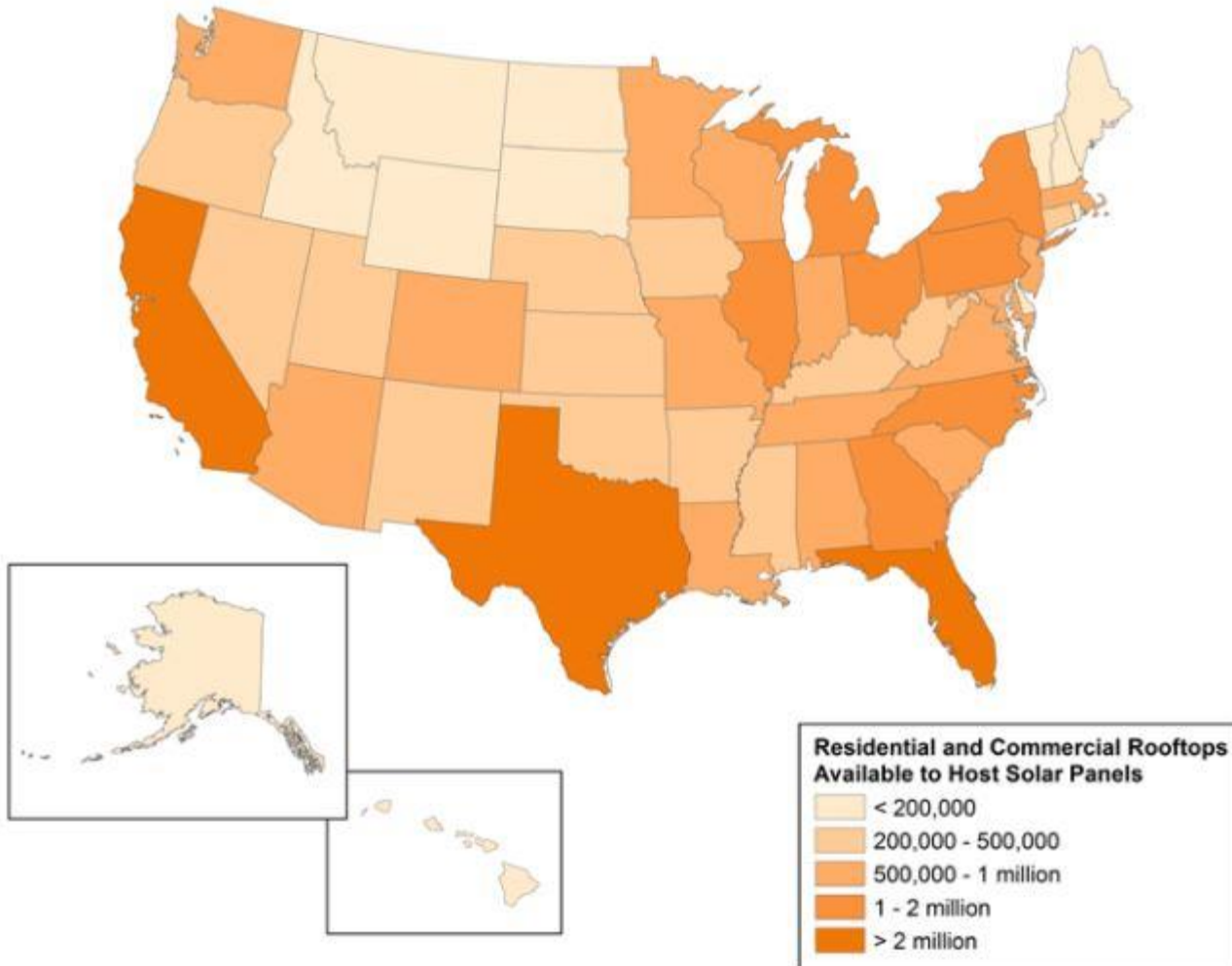


“The glorious sun pours
immaculate free energy
down upon us, more than
we will ever need.”

Neil deGrasse Tyson

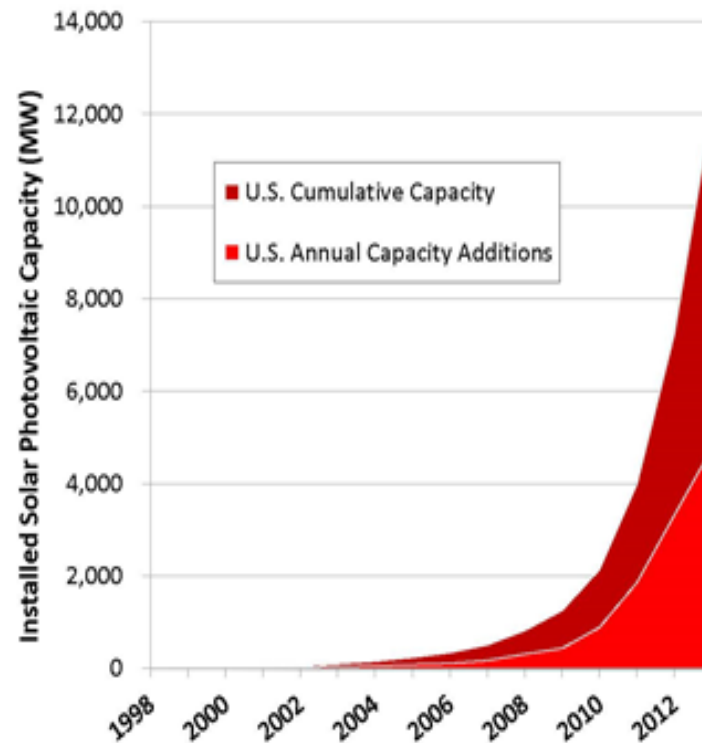
Solar and EPA's Clean Power Plan -
Environment America @ PV America

Texas has 3 million rooftops suitable for solar

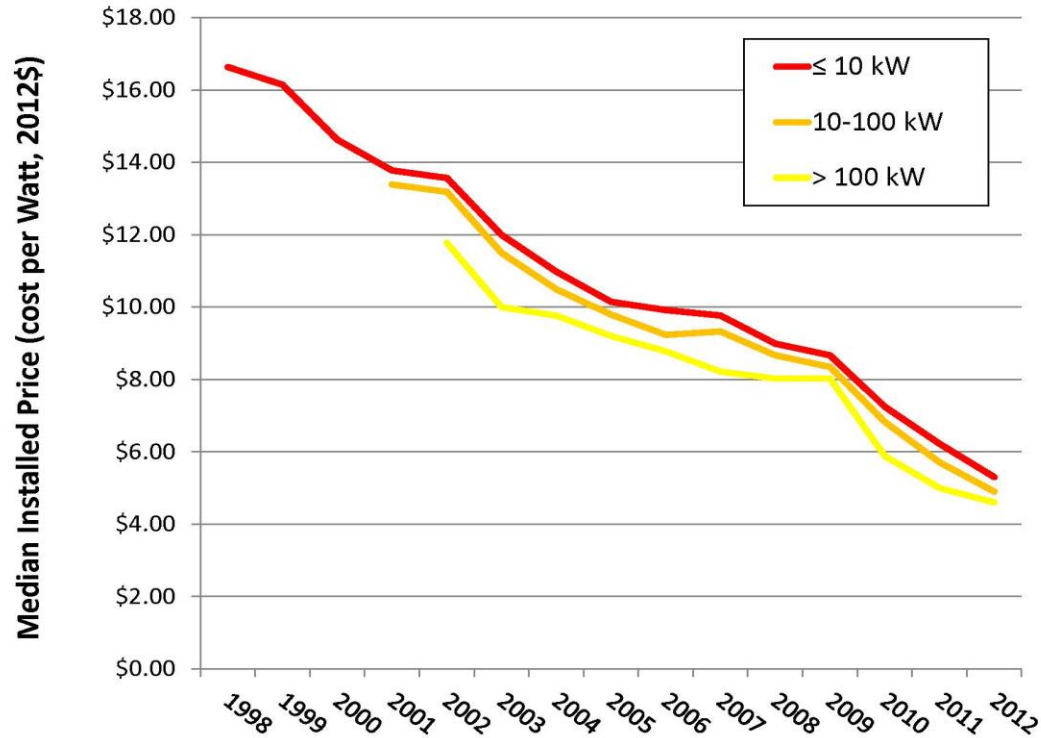


Solar on the Rise

- 120-fold increase in 10 years
- 74% of all new installed electric capacity in first quarter of 2014.
- 3-fold increase in last 2 years



Costs are declining



Median Installed Price of Residential and Commercial Solar Photovoltaic Systems by Size , NREL, Tracking the Sun IV, 2013

And will continue to

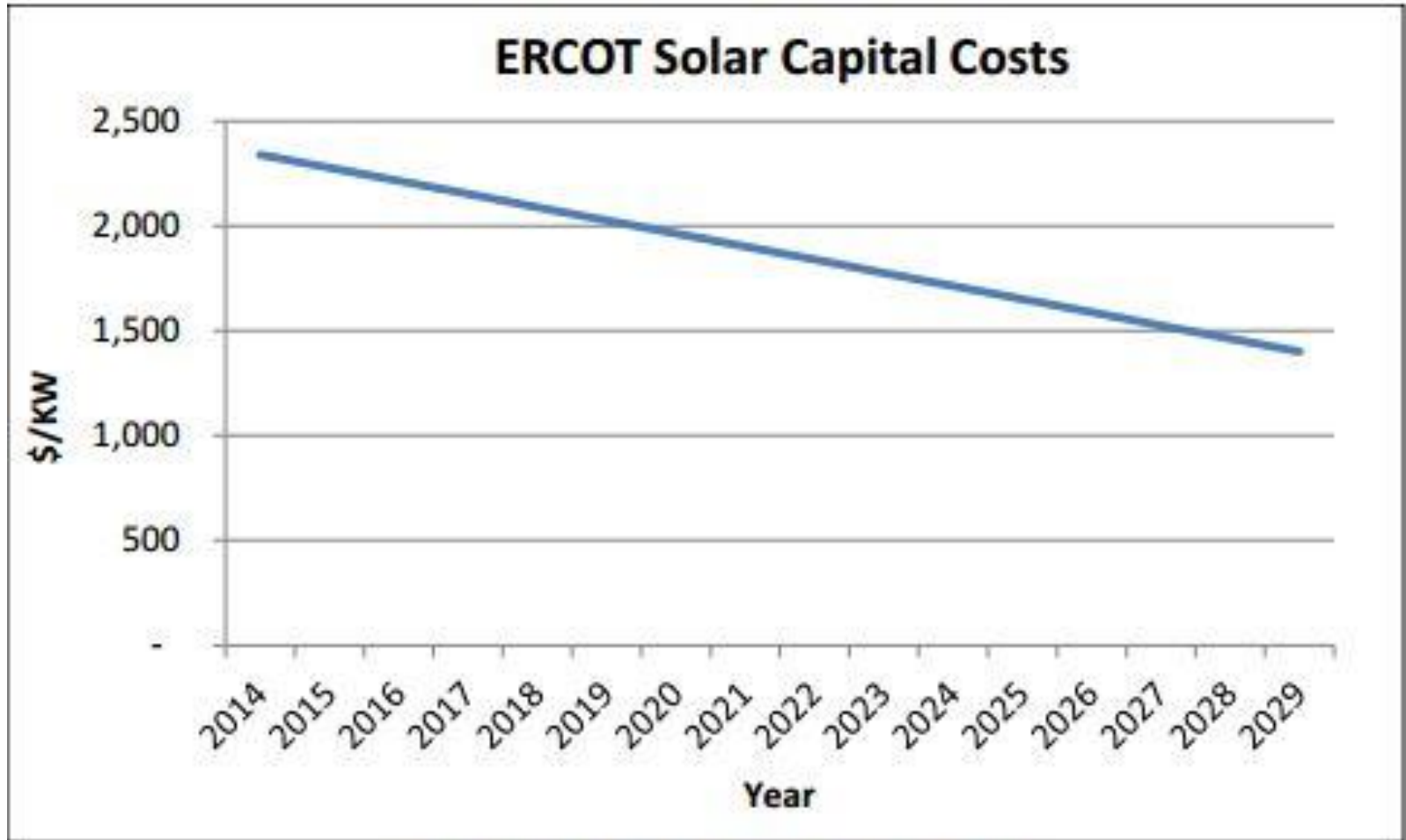
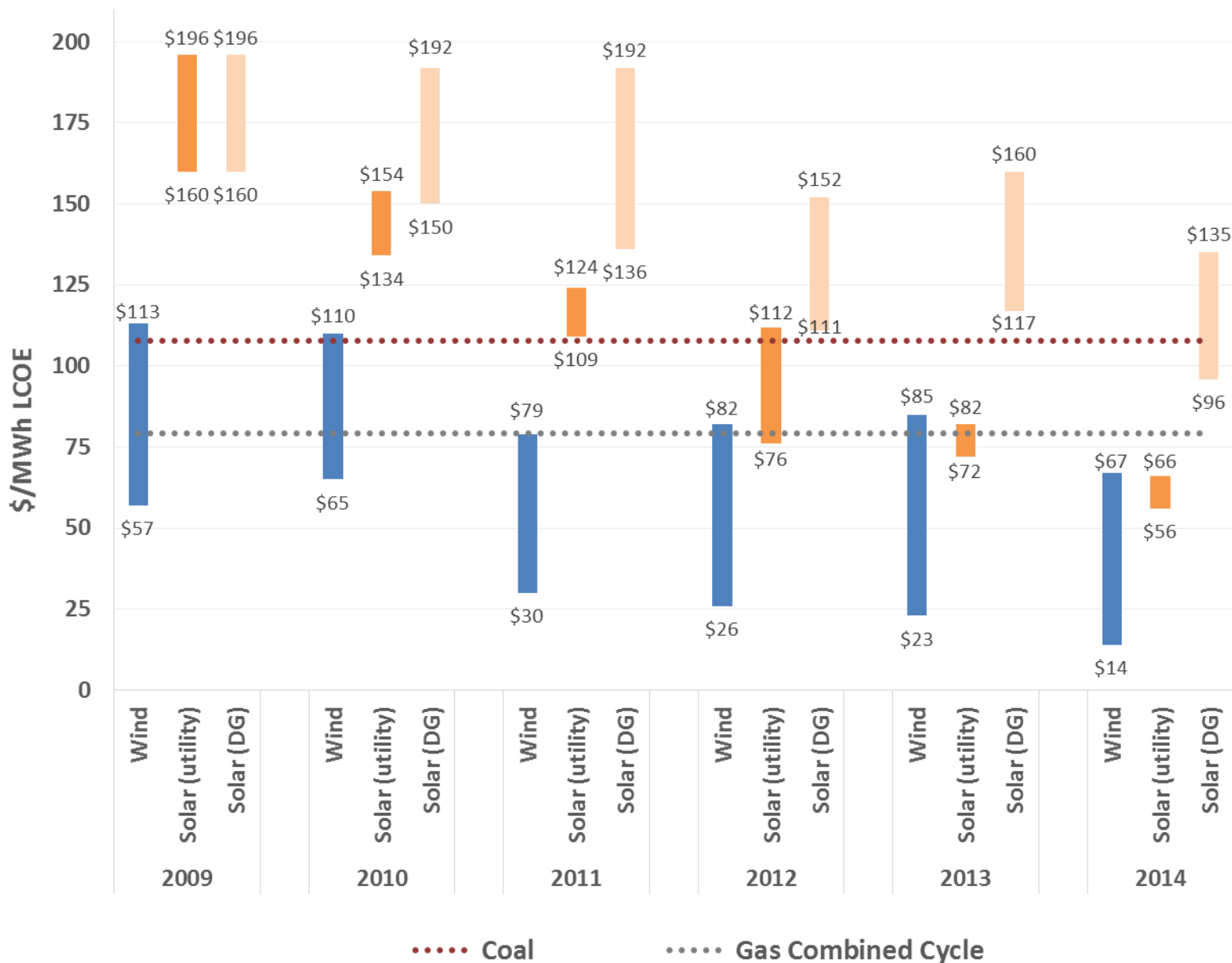


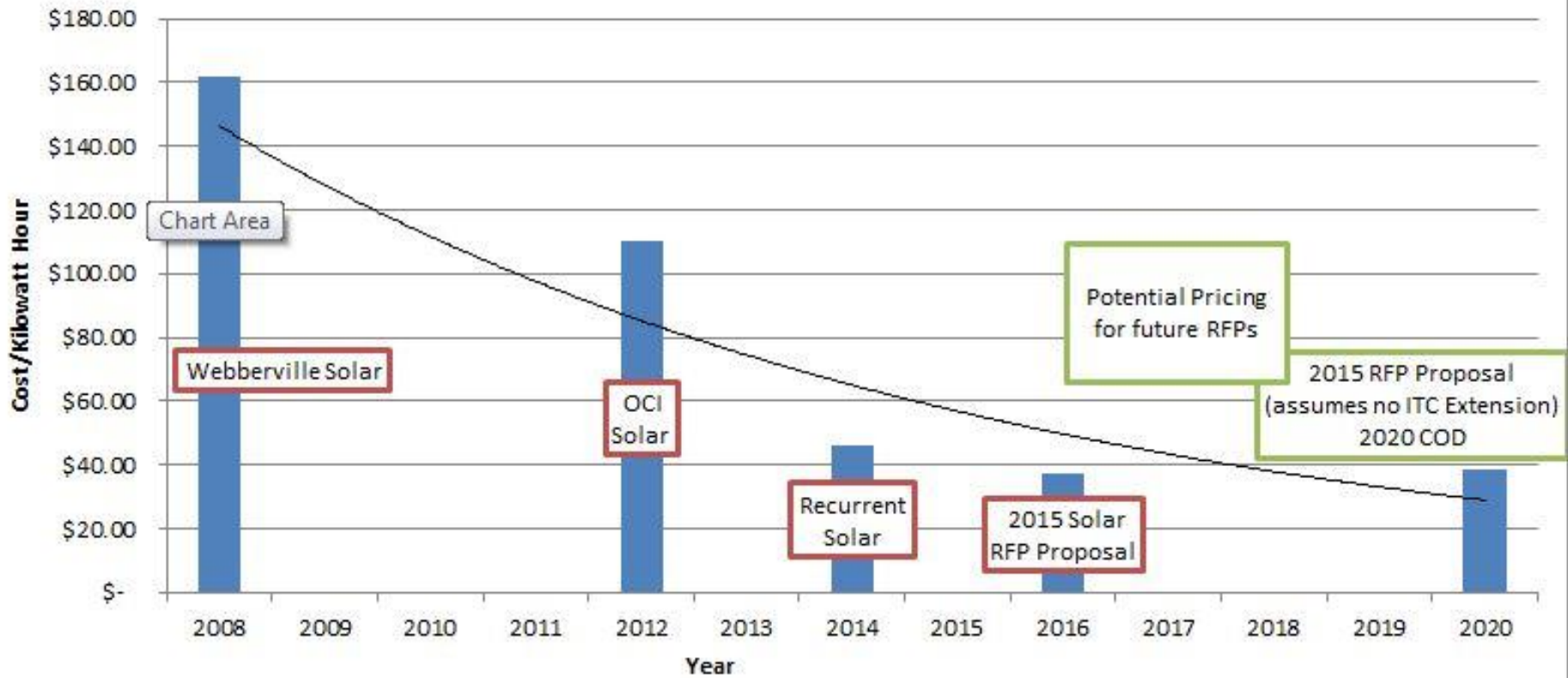
Figure 2: ERCOT Solar Capital Costs

Levelized Cost of Electricity Trends



Source: Lazard LCOE Analysis, 2009-2014.

Dropping Solar Prices



ERCOT projects 6-8% solar

Table 5: Generation Mix in 2029 (% of MWh)

Fuel Type	Baseline	CO ₂ Limit	CO ₂ \$20/ton	CO ₂ \$25/ton
Natural Gas (%)	45	53	53	55
Coal (%)	29	16	16	13
Wind (%)	11	14	14	14
Solar (%)	6	7	7	8
Nuclear (%)	9	9	9	9
Other (%)	< 1	< 1	< 1	< 1

Solar capacity in TX increased 84 percent per year from 2010 to 2013.

If solar grows 61 percent annually between 2013 and 2025, ***Texas would have enough solar energy to generate 20 percent of its electricity.***

CPS Energy is currently developing
their Beyond 2020 strategy

Now is the time to go big on solar