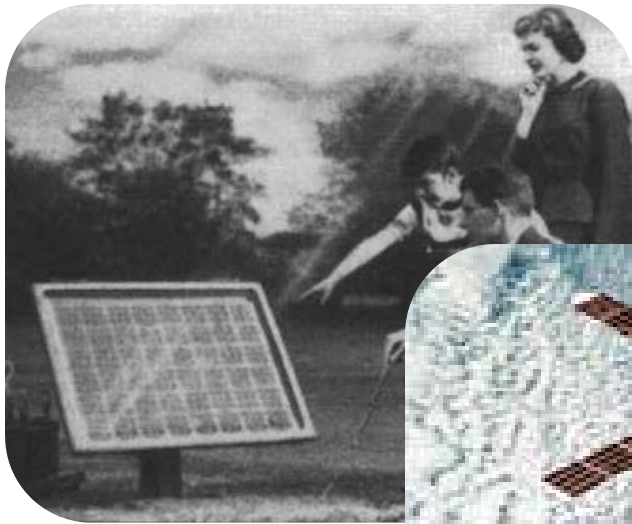




Solar Thermal Policy and Markets in Oregon

Most Solar Consumers Think Photovoltaics

Invented by Bell Labs in 1954



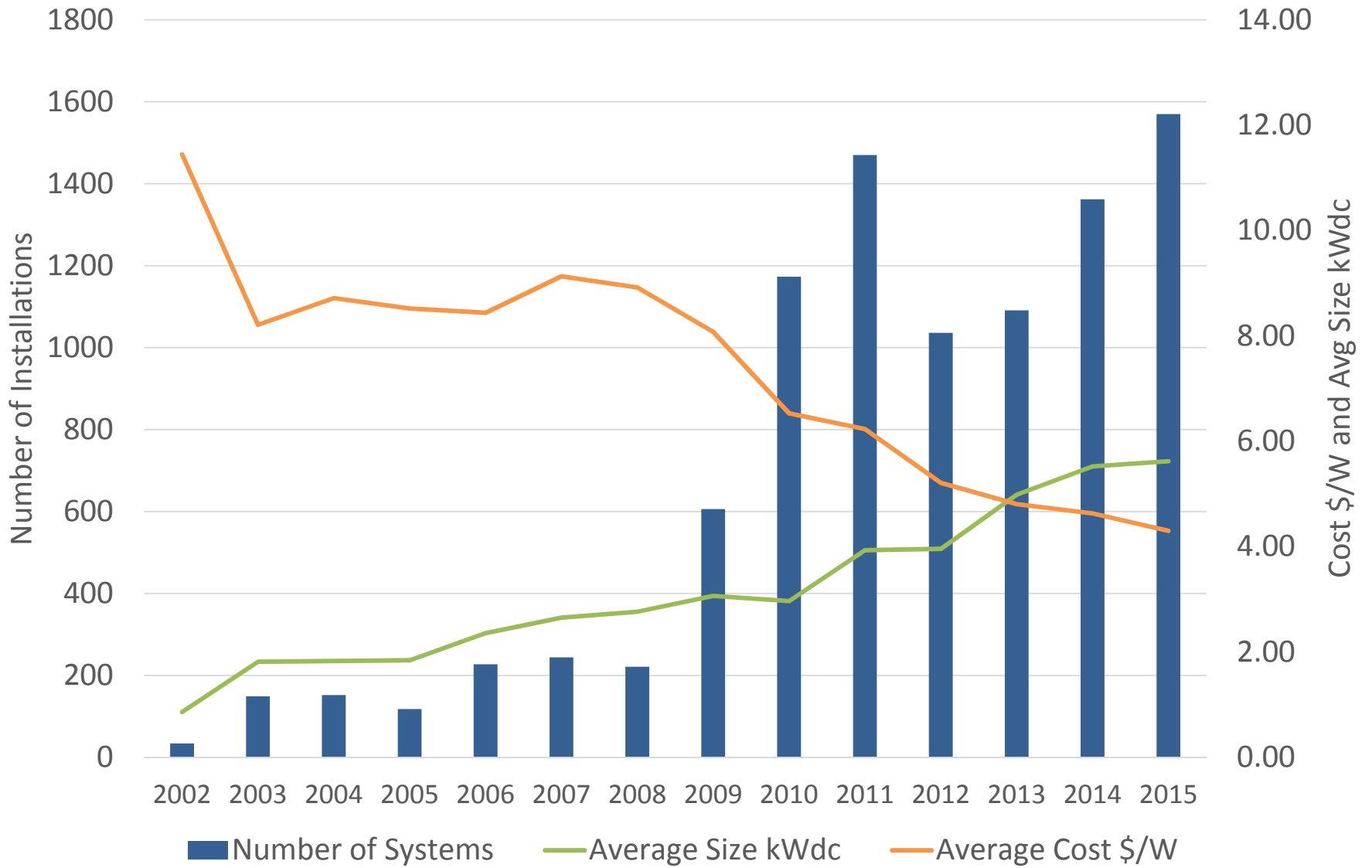
Developed with the Space Program



Now used on Buildings



Average Size and Cost of Solar PV Systems in the Oregon Residential Energy Tax Credit Program

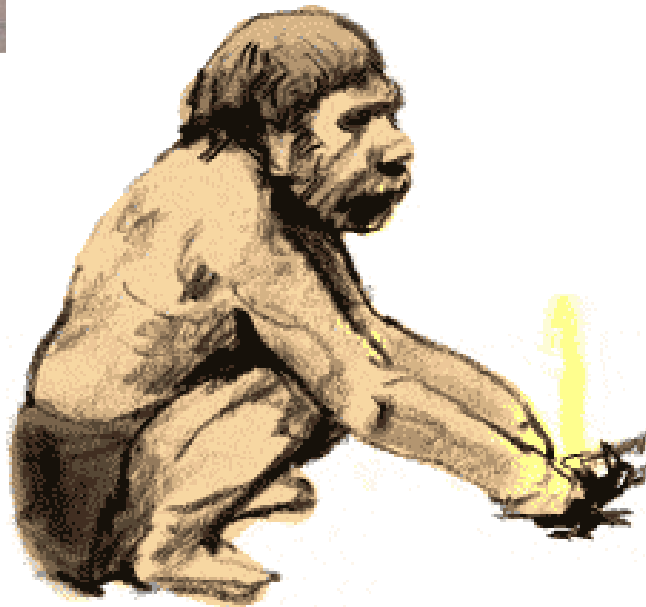


Solar Thermal or Solar Water Heating

Invented by...



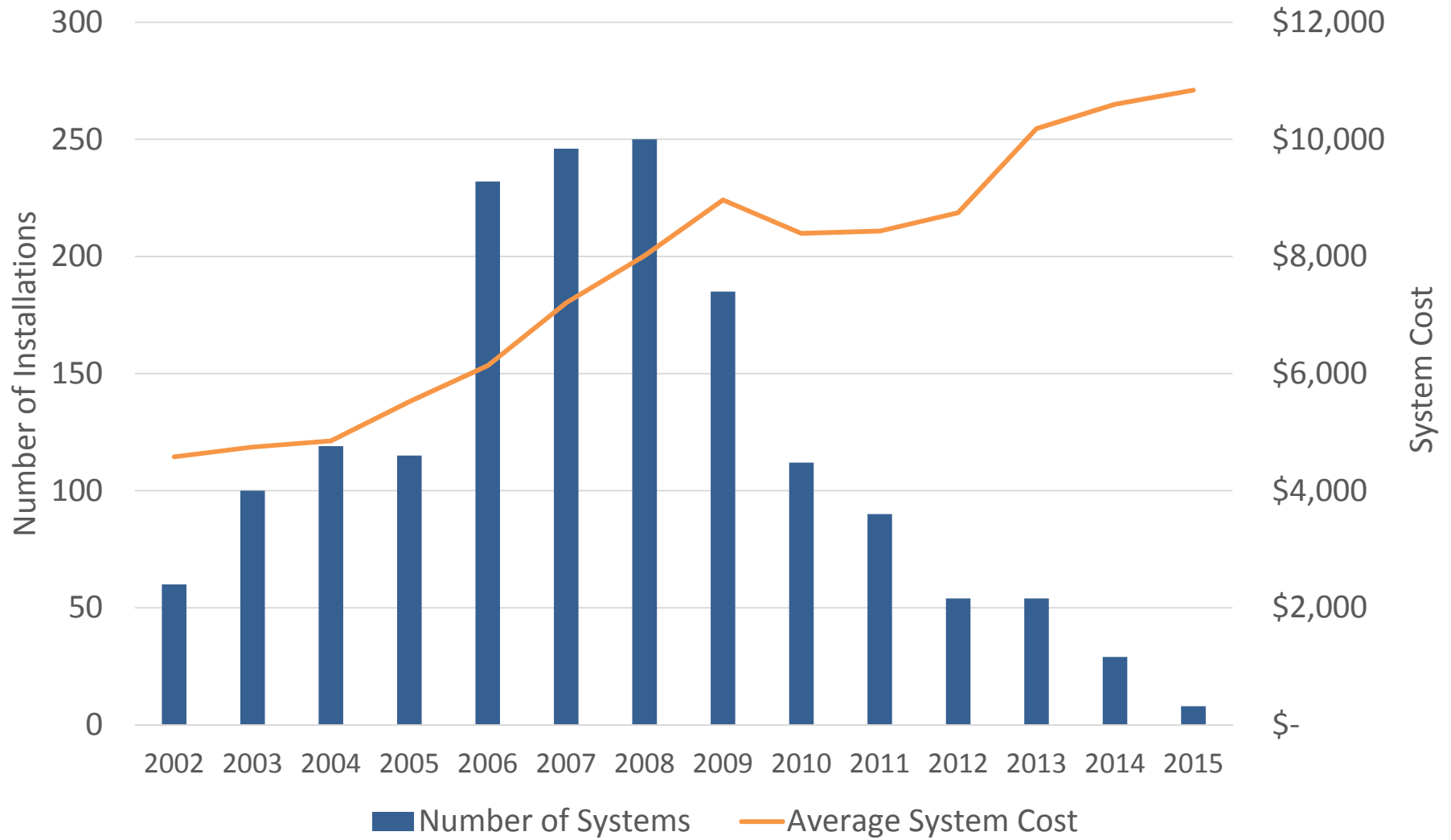
Developed by...



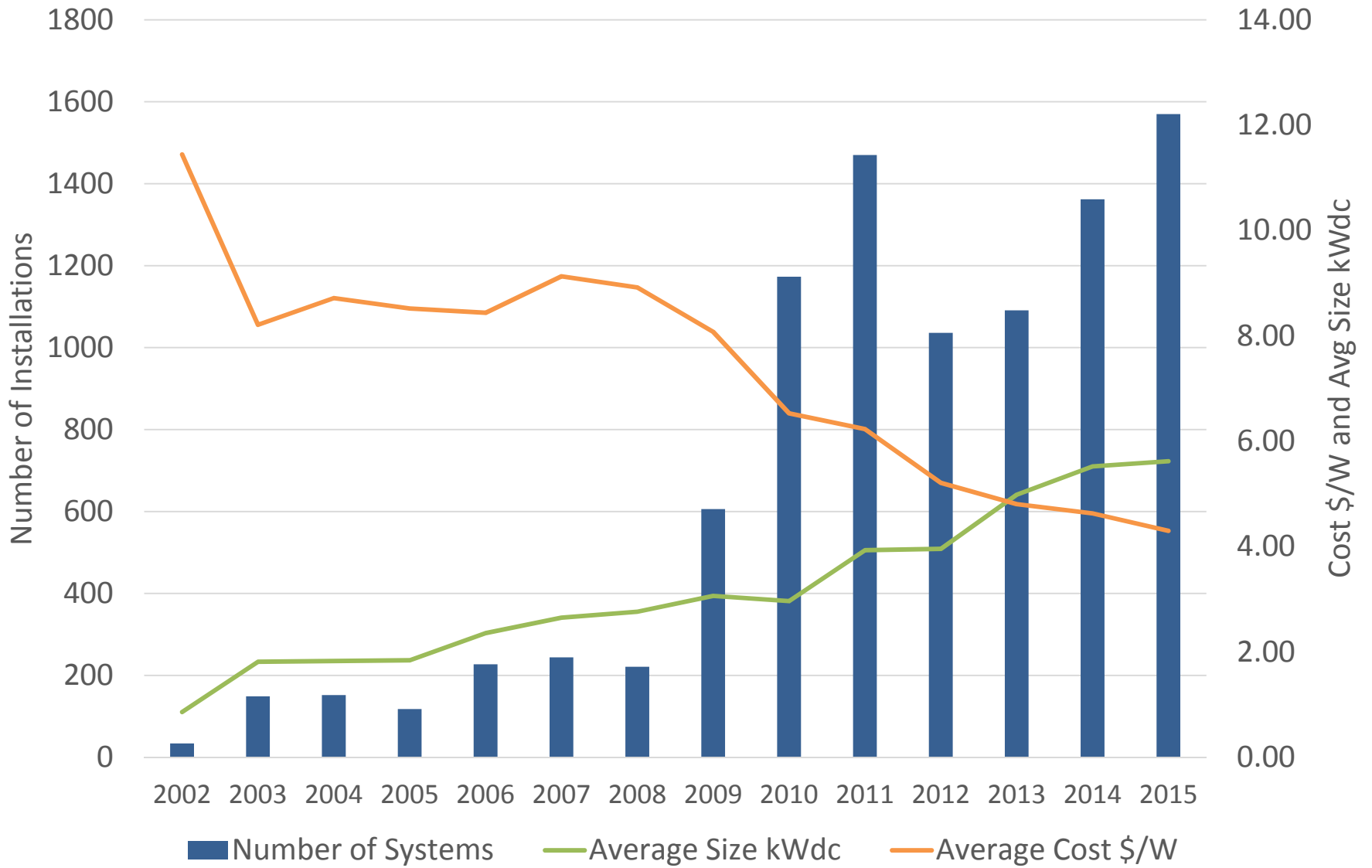
Now used on Buildings



Average Cost of Solar Water Heating Systems in the Oregon Residential Energy Tax Credit Program



Average Size and Cost of Solar PV Systems in the Oregon Residential Energy Tax Credit Program



Financial incentives for residential solar thermal or PV system generating ~2500kWh of energy annually (2015)

2.5kW PV System

Cost ~ \$12,500

RETC \$4,250

ETO \$2,375

FED TC \$3,038

Net Cost \$2,838

Payback~11 yrs

Solar Water Heating

Cost ~ \$10,500

RETC \$1,500

ETO \$0

FED TC \$3,150

Net Cost \$5,850

Payback electric ~23 yrs

Payback gas ~45 yrs

House Bill 3344 (2015)

- Increased incentives for solar water heaters from \$0.60/kWh to \$2.00/kWh.
- Increased the cap from \$1,500 to \$6,000

Previous Incentive Rate	Previous Cap	HB 3344 Incentive Rate	HB 3344 Cap
\$0.60 / kWh	\$1,500	\$2.00 / kWh	\$6,000

Financial incentives for residential solar thermal or PV system generating ~2500kWh of energy annually (2016)

2.5kW PV System

Cost ~ \$10,750

RETC \$3,750

ETO \$1,500

FED TC \$3,150

Net Cost \$2,350

Payback~9 yrs

Solar Water Heating

Cost ~ \$10,800

RETC \$5,000

ETO \$0

FED TC \$3,240

Net Cost \$2,560

Payback electric ~10yrs

Payback gas ~20 yrs