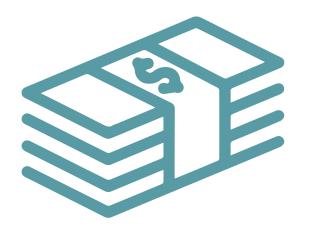






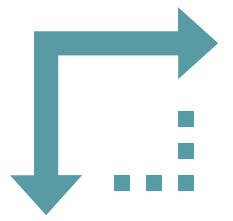
112 Units (81 Affordable/31 Market)



\$17MM total budget (\$13MM construction)



Funded with LIHTC, OWHLF, Conventional



1.5 Acres 5 stories of wood on podium



Parking ratio of 0.9:1 Half structured



12 month build 2 month lease-up

## What Else Can Housing Do?

# Physical Needs

Air Quality

Housing Stability

Transportation

Food Access

#### Psychological Needs

Purpose

Creativity

Stress Relief

Belonging

## Market Barriers to Net Zero Adoption

Density constraints of rooftop solar

Upfront installation costs

Developer/Builder/Developer Inertia





### Project Open (Phase I) Comparison

Equipment	Conventional	Project Open Phase I	
Water Heater	Bradford BRG240T6N 40 GAL/40 BTU/#32/4.0 WC	STIEBEL STEM24PLUS TEMPRA 240V 12KW TANKLESS WATER \$625.00 HEATER & DSUPPLY	\$660.00
General Plumbing		\$6,500.00	\$6,500.00
Air Exchange	Air King BFQ80	\$60.00 Panasonic FV-08VKS3 Exhaust Fan	\$130.00
	Gas Fired Furnace Goodman GMSS92 Cased Indoor A/C Coil Goodman CAPF182486	Fan Coil Unit GET24 Heat Pump NXH524GKA	
Heating/Cooling	Outdoor Condensing Unit Goodman GSX13	\$5,670.00 Duct Heater 30"x8"	\$4,650.00
Gas lines		\$350.00 -	\$0.00
Ductwork		\$1,500.00	\$1,500.00
Combustionairshafts		\$300.00 -	\$0.00
Envelope penetrations	4 per unit	\$200.00 2 per unit	\$100.00
General electrical		\$7,500.00	\$8,600.00
Per Unit Cost		\$22,705.00	\$22,140.00
Building Cost		<u>\$2,542,960.00</u>	\$2,479,680.00
Savings (pre-rebate)			\$63,280



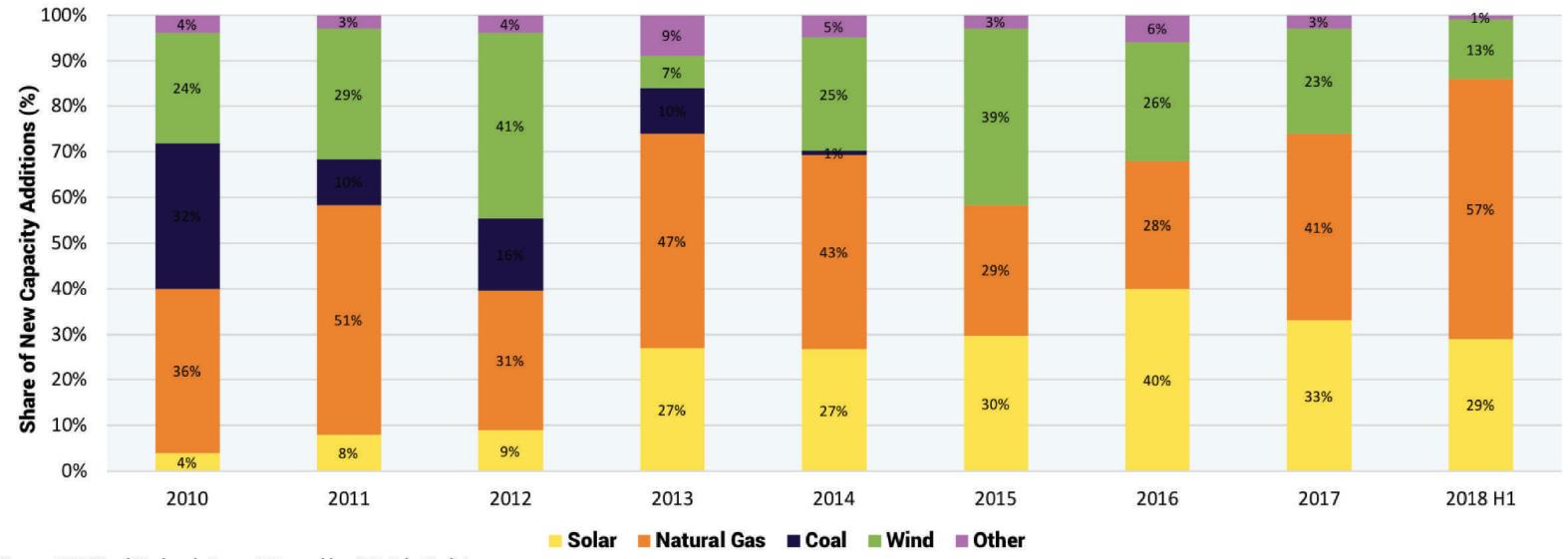
#### Project Open (Phase II) Comparison

Equipment	Conventional		Project Open Phase II	
Water Heater	Bradford BRG240T6N 40 GAL/40 BTU/#32/4.0 WC		STEM24PLUS 240V 12KW TANKLESS WATER HEATER & DSUPPLY	\$660.00
General Plumbing		\$6,500.00		\$6,500.00
Air Exchange	Air King BFQ80	\$60.00 Panason	ic ERV (optional)	\$0.00
Heating/Cooling	Gas Fired Furnace Goodman GMSS92 Cased Indoor A/C Coil Goodman CAPF182486 Outdoor Condensing Unit Goodman GSX13		unted Heat Pump System MVJU / RXL15QMVJU	\$4,100.00
Optional Aesthetic Upgrade				
Gas lines		\$350.00 -		\$0.00
Ductwork		\$1,500.00 -		\$0.00
Combustion air shafts		\$300.00 -		\$0.00
Envelope penetrations	4 per unit	\$200.00 2 per un	it	\$100.00
General electrical		\$7,500.00		\$8,500.00
Aggregate per unit costs		\$22,705.00		\$20,110.00
Overall building costs		\$2,156,975.00		\$1,910,450.00
<b>Total Building Saving</b>	<u>s</u>			\$246,525





#### **Annual Additions of New Electric Capacity**

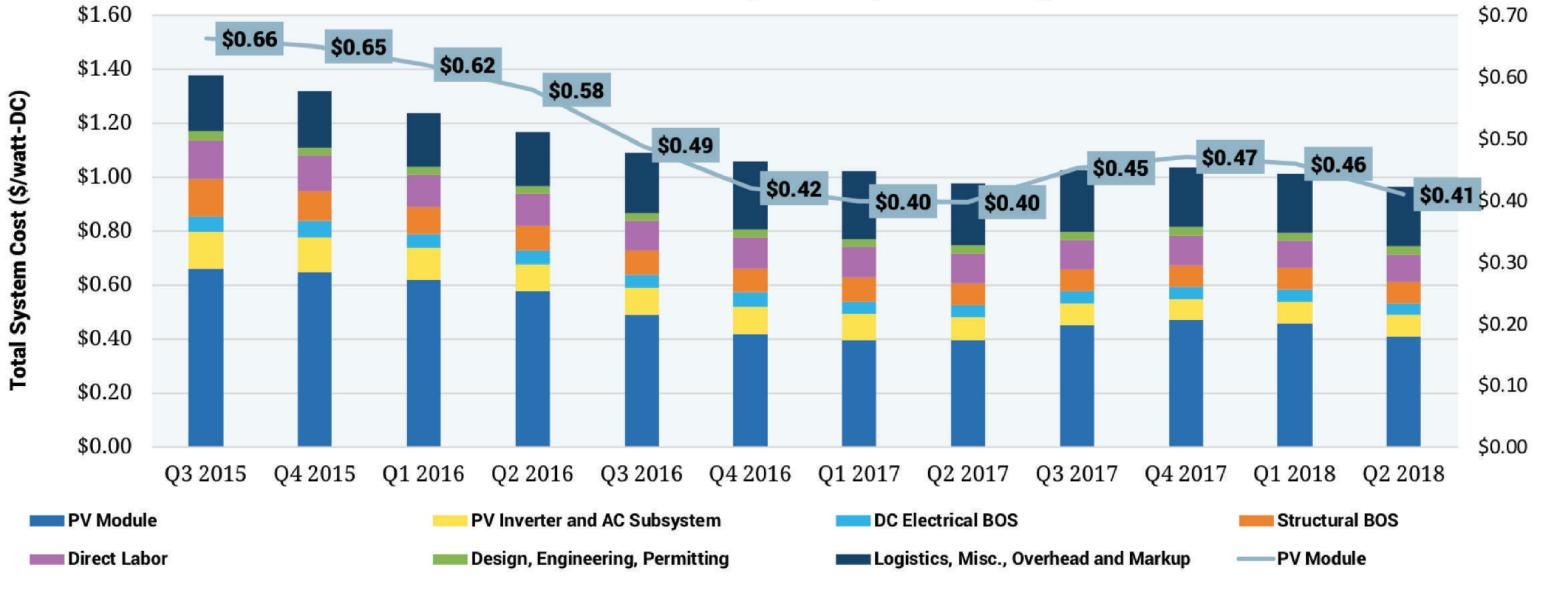


Source: SEIA/Wood Mackenzie Power & Renewables, U.S. Solar Market Insight; Lawrence Berkeley National Laboratory, Tracking the Sun





#### Fixed Tilt Utility-Scale System Pricing





Module Costs (\$.watt-DC)





