



# 2017 CALIFORNIA ADVANCED HOMES PROGRAM

PG&E Territory Only

## WE'RE HERE TO HELP BUILDERS TODAY FOR TOMORROW'S ENVIRONMENT

The California Advanced Homes Program (CAHP) is a residential new construction program with a focus on energy efficiency, sustainable design and construction, and emerging technologies.

Pacific Gas and Electric Company (PG&E), one of California's investor owned utilities is working to help the building industry smooth the transition to the next code and build homes that are better-than-code and ahead of the curve.

### SERVICES

- Generous financial incentives to help offset costs of creating environmentally-friendly energy-efficient homes and communities.
- Design assistance to support development of sustainable and livable communities by incorporating energy efficiency, green building practices and demand response initiatives.
- Dedicated account representatives provide builders with recommendations necessary to improve the energy performance of the homes they are building and communicate the benefits of building a CAHP-qualified home.
- Technical support that performs a comprehensive review and verification process to assure projects meet program entry.

### ENERGY DESIGN RATING

The Energy Design Rating (EDR) is a home energy index that uses time dependent valuation (TDV) of energy, including all end uses in a home to provide a whole-house efficiency metric. An EDR closer to zero implies better performance and higher incentives. There are multiple EDRs available as

explained in the table below. The eligibility and incentive metric for CAHP single-family is a "Delta-EDR" which is the difference between the 'Standard Design EDR' and 'Proposed Design EDR'.

For single-family, the minimum performance requirement is a Delta-EDR of 3 in all climate zones. Incentives are specific to the plan type and orientation of each lot. The estimated incentives rise incrementally with the performance of the building.

<b>STANDARD DESIGN EDR*</b> EDR if the home were designed using the prescriptive path
<b>PROPOSED DESIGN EDR*</b> EDR as designed with performance tradeoffs, <u>not</u> including solar PV
<b>DELTA EDR*</b> Proposed Design EDR – Standard Design EDR (+ Point Kickers, if any)
<b>PROPOSED PV EDR</b> EDR for the Solar PV system by itself
<b>FINAL PROPOSED EDR</b> Final EDR as designed, including Solar PV

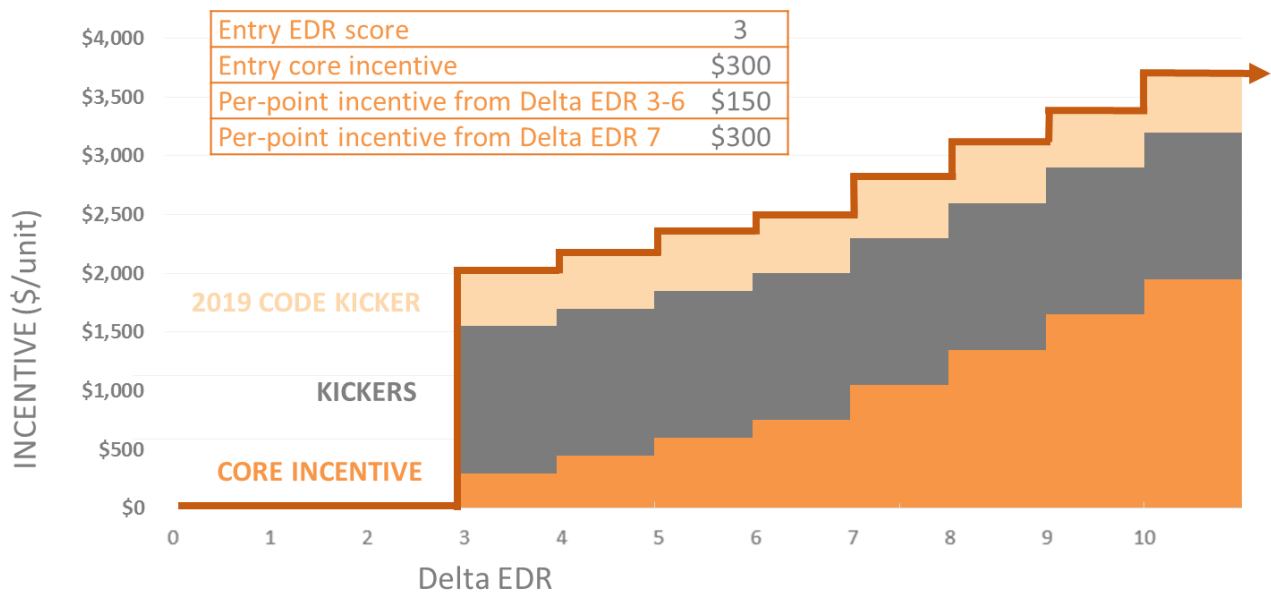
*\* EDR scores used for CAHP eligibility*

TURN THE PAGE TO LEARN ABOUT INCENTIVES AND BONUS CASH KICKERS



# INCENTIVES AND PROGRAM KICKERS TAKE YOUR HOMES TO THE NEXT LEVEL

CAHP offers an escalating core incentive to high performing homes, plus additional kickers to projects that include one or more of the kickers shown below.



CAHP uses different point kicker values for different climate zones. Climate Zones 1, 2 and 9 through 15 are categorized as Inland Climate Zones, whereas Climate Zones 3 through 8, and 16 fall under the Coastal Climate Zone category.

## POINT KICKERS:

- **100% LED Lighting (0.5 EDR Inland/1.0 EDR Coastal):** Install 100% LED Lighting. All hard wired lighting must be LED and meet the requirements of JA8-2016.
- **Home Energy Management System (0.5 EDR Inland/1.0 EDR Coastal):** See handbook for details.

## CASH BONUS KICKERS:

- **Balanced IAQ (\$100):** The home is installing a balanced IAQ ventilation system.
- **DOE Zero-Energy Ready (\$400):** The home is a certified Department of Energy Zero Energy Ready Home.

## HYBRID KICKERS (Modeled Savings + Cash Bonus)

- **High Performance Fenestration (\$200):** All windows must have a U-Factor  $\leq 0.24$  (excludes doors, sliding glass doors, and skylights)
- **High Performance Attics (\$200):** Home must be constructed with a high performance attic in compliance with the prescriptive requirements in the 2016 Residential Compliance Manual (Title 24, Part 6) or a totally sealed, unventilated attic.
- **High Performance Walls (\$200):** Home must be constructed with high performance walls in compliance with the prescriptive requirements defined in the 2016 Residential Compliance Manual (Title 24, Part 6).
- **Whole House Fans (\$100):** Home must be constructed with a whole house fan in compliance with the prescriptive requirements defined in the 2016 Residential Compliance Manual (Title 24, Part 6)

## 2019 CODE KICKERS:

These are cash bonuses for 2019 code ready homes and 2019 code homes:

- **2019 Code Ready (\$250):** The home meets the Delta EDR necessary for program eligibility. Solar is not being installed but is designed with a solar ready zone, and a  $\leq 3$ kW PV system (when modeled) would lead to a site kWh use of 0.
- **2019 Code Prepared (\$500):** The home meets the Delta EDR for program eligibility. Installed solar and site kWh use is 0.