

# 2017

Savings By Design encourages high-performance, non-residential building design and construction by providing financial incentives, design support, and detailed analysis.

- **Owner Incentives** help offset the additional costs of energy efficient measures that help create a high performing building
- **Design Team Incentives**<sup>1</sup> reward designers who meet ambitious energy efficiency targets
- **Design Assistance** supports integration of innovative design technologies into new construction projects
- **Energy Design Resources** offer analysis tools, training, and in-depth information on efficient technologies and strategies

Savings By Design (SBD) participants can reap the following benefits:

- Save money by reducing operating costs
- Increase the comfort, health, and productivity of building occupants
- Conserve natural resources.

Moreover, by reducing demand, participants are doing their part to help utilities manage grid resources, increase reliability, and plan for the grid of the future.

<sup>1</sup>Design Team Assistance to be offered in lieu of Design Team Incentives in SDG&E service territory.

<sup>2</sup>Scope of Design Assistance and related services may vary by Utility



## Services

### OWNER INCENTIVES

Owner Incentives encourage Owners to invest in energy efficiency as an integral part of their new construction. Financial incentives are available to Owners when the efficiency of their new building meets the minimum SBD threshold (at least 10% better than Title 24).

### DESIGN TEAM INCENTIVES

Design Team Incentives are available to Design Teams that make an extra effort when integrating energy efficiency into exceptional design. For the Design Team to qualify for incentives, the project must qualify for the Whole Building Approach and the Design Team must use energy modeling software to show the project will exceed Title 24 standards by at least 10%.

### DESIGN ASSISTANCE

Design Assistance supports integration of innovative design technologies into new construction projects. Tailored to individual projects, design assistance is available free-of-charge to building owners and their design teams. Design Assistance may include in-person consultation, plan review, energy modeling studies, and cost/benefit analysis.<sup>2</sup>

### ENERGY DESIGN RESOURCES

Energy Design Resources (EDR) offer analysis tools, training, and in-depth information on efficient technologies and strategies to engineers, lighting designers, and developers. Visit [energydesignresources.com](http://energydesignresources.com) for more details.

### CONTACT SAVINGS BY DESIGN

To learn more about participating in the SBD Program, go to [savingsbydesign.com](http://savingsbydesign.com). For detailed eligibility requirements, the Participant Handbook is also available online.

# Whole Building Approach to High-Performance Buildings

## Whole Building Approach

The Whole Building Approach enables the Design Team to consider integrated energy efficiency solutions that balance electricity and gas usage and may reduce a building's construction and operational costs.

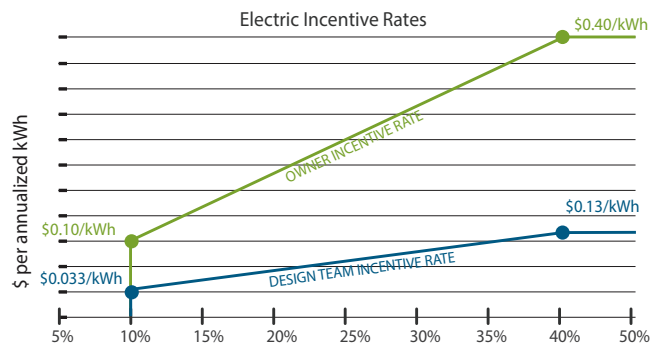
The estimated total annual energy savings for the building is calculated and compared to the Title 24 minimum requirements using an approved calculation tool; this analysis is typically prepared by the Design Team. Owner Incentives are available to projects when the whole building performance is estimated to exceed either Title 24 requirements or the baseline of industry standard practices by at least 10%. Incentive rates for the different components are listed below:

- \$0.10-\$0.40 / kWh – Annualized electric energy
- \$150 / kW – Peak electric demand
- \$1.00 / therm – Annualized gas energy

### Whole Building Incentives

Owner Whole Building Incentives - up to \$150,000  
- 10% Bonus for end use monitoring

Design Team Whole Building Incentives - up to \$50,000<sup>1</sup>



### Savings Compared to Title 24

Peak Demand Incentive Rates: \$150/kW Owner \$50/kW Design Team<sup>1</sup>  
Therm Incentive Rate: \$1.00/therm Owner \$0.33/therm Design Team<sup>1</sup>

<sup>1</sup>Design Team Assistance to be offered in lieu of Design Team Incentives in SDG&E service territory.

## How to Participate

### Pre-Design Phase

- Contact an SBD Representative as early in the project as possible to discuss the opportunity
- Work with your SBD Representative to incorporate language about achieving or surpassing SBD energy efficiency and sustainability goals into the Request for Proposals (RFP) and Owner's Project Requirements (OPR)

### Schematic Design & Design Development Phases

- Include a SBD Representative at a design kick-off meeting or sustainability charrette
- Conduct "simple-box" energy modeling studies to compare design alternatives and to optimize key parameters such as insulation, building form and massing, etc. — SBD can assist with these studies
- Compare energy efficient design options and conduct cost/benefit analysis — SBD can assist with this analysis

### Construction Documents Phase

- Prepare a Whole Building Report and associated documentation as needed. Contact a SBD Representative for full document requirements
- As the project nears bidding and plan check, provide final drawings and energy model to the SBD Representative for Participation and Project Approval

### Construction Phase

- Document the impact of SBD incentives during any Value Engineering processes, if applicable
- Provide schedule updates to the SBD Representative

### Post-Construction Phase

- Incentives provided following post-installation inspection. Final Incentives subject to as-built design revisions

[www.savingsbydesign.com](http://www.savingsbydesign.com)



[www.pge.com](http://www.pge.com)  
1.800.468.4743



[www.smud.org](http://www.smud.org)  
1.877.622.7683



[www.socalgas.com](http://www.socalgas.com)  
1.800.427.2000



[www.ladwp.com](http://www.ladwp.com)  
1.800.499.8840



[www.sce.com](http://www.sce.com)  
1.800.338.8502



[www.sdge.com](http://www.sdge.com)  
1.800.411.7343