



**PACIFIC GAS AND ELECTRIC COMPANY  
CUSTOMIZED ENERGY EFFICIENCY/DEMAND RESPONSE  
INCENTIVE PROGRAM**

**2008  
INCENTIVE  
APPLICATION**

**SECTION 1 APPLICANT INFORMATION**

APPLICANT FOR NONRESIDENTIAL PROJECTS = CUSTOMER/BUSINESS OWNER  
APPLICANT FOR RESIDENTIAL PROJECTS = OWNER/BUILDER/DEVELOPER

Applicant Name \_\_\_\_\_

Applicant Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Contact Name \_\_\_\_\_ Title \_\_\_\_\_  
( ) ( )

Contact Telephone Number \_\_\_\_\_ Contact Fax Number \_\_\_\_\_ E-Mail Address \_\_\_\_\_

<b>Tax Identification Type (Select ONLY One)</b> <input type="checkbox"/> Employer ID Number (EIN) <input type="checkbox"/> Federal Tax ID <input type="checkbox"/> SSN Tax Identification Number _____	<b>Tax Status (Select ONLY One)</b> <input type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> Non-Corp <input type="checkbox"/> Exempt Exempt Reason _____
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**SECTION 2 PROJECT TYPE(S)**

- |                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NONRESIDENTIAL</b><br><input type="checkbox"/> NEW CONSTRUCTION/ADDITION (Attach NRNC Form)<br><input type="checkbox"/> Design Team (Attach NRNC-DT Form if applicable)<br><input type="checkbox"/> RENOVATION/RETROFIT-DEMAND RESPONSE<br>(Attach NRR-DR Form) | <b>RESIDENTIAL NEW CONSTRUCTION</b><br><input type="checkbox"/> ENERGY STAR® Performance Method (Attach RNC-ES Form)<br><input type="checkbox"/> New Solar Homes Partnership Performance Method<br>(Attach RNC-NSHPPM Form)<br><input type="checkbox"/> Prescriptive Method (Attach RNC-PC Form) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Provide brief project name/description \_\_\_\_\_ Number of project forms attached to this application \_\_\_\_\_

**SECTION 3 PAYMENT (Party Receiving Incentive OTHER THAN Applicant)**

**CHECK SHOULD BE MADE PAYABLE TO:** *(NOT APPLICABLE FOR RESIDENTIAL NEW CONSTRUCTION)*

Payee: Customer / Business Name \_\_\_\_\_ Telephone Number \_\_\_\_\_ Fax Number \_\_\_\_\_  
( ) ( )

Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Contact Name \_\_\_\_\_ Title \_\_\_\_\_ E-mail \_\_\_\_\_

<b>Tax Identification Type (Select ONLY One)</b> <input type="checkbox"/> Employer ID Number (EIN) <input type="checkbox"/> Federal Tax ID <input type="checkbox"/> SSN Tax Identification Number _____	<b>Tax Status (Select ONLY One)</b> <input type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> Non-Corp <input type="checkbox"/> Exempt Exempt Reason _____
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**PAYMENT RELEASE AUTHORIZATION:**

As the Applicant, I am authorizing this payment of my incentive to the third party named above and I understand that I will not be receiving the incentive check from PG&E. I also understand that my release of the payment to the third party does not exempt me from the requirements outlined in the Application package.

Applicant Authorization: (Please Print Name) \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

**SECTION 4 AGREEMENT**

I HAVE READ AND UNDERSTAND THE TERMS AND CONDITIONS ON THE FOLLOWING PAGES. I CERTIFY THAT THE INFORMATION I HAVE PROVIDED IS TRUE AND CORRECT AND THE PRODUCT(S) AND/OR EQUIPMENT FOR WHICH I AM REQUESTING INCENTIVE(S) MEET THE REQUIREMENTS IN THIS APPLICATION PACKAGE.

Applicant Name (Please Print) \_\_\_\_\_ Title \_\_\_\_\_

**X** \_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_

**FOR UTILITY USE ONLY**

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_-  
TM PM ID    Project Manager Name

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_-  
AS Rep ID    AS Rep Name

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_-  
Rep Phone #

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_-  
Service Code    Date Received

**SEE TERMS AND CONDITIONS ON THE FOLLOWING PAGES**

**FOR PG&E USE ONLY: Project No.** \_\_\_\_\_ **Application No.** \_\_\_\_\_ **CA No.** \_\_\_\_\_

# 2008 INCENTIVE APPLICATION INSTRUCTIONS



## 1 SELECT THE APPROPRIATE FORMS

All applicants must submit a Customized ENERGY EFFICIENCY/DEMAND RESPONSE INCENTIVE APPLICATION and at least one of the following project forms:

### Non-Residential Projects

NEW CONSTRUCTION/ADDITION – Attach NRNC Form  
Design Team – Attach NRNC-DT Form if applicable  
RENOVATION/RETROFIT – Attach NRR-DR Form

### Residential New Construction Projects

ENERGY STAR® Performance Method – Attach RNC-ES Form  
New Solar Homes Partnership Performance Method - Attach RNC-NSHPPM Form  
Prescriptive Method – Attach RNC-PC Form

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### Submit Application Package to Your PG&E Representative or Mail Application To:

PG&E Integrated  
Processing Center  
P. O. Box 7265  
San Francisco, CA 94120-7265

### For Overnight Delivery, Send To:

PG&E Integrated  
Processing Center  
77 Beale Street  
Mail Code BOB1U  
San Francisco, CA 94105-1814

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## 2 HOW TO APPLY

### 1. READ TERMS AND CONDITIONS ON:

- The back page of the Application
- The Project Form(s) that apply to your project(s)

### 2. COMPLETE:

- Applicant Information and Project Type on the Application
- (If applicable) Payment Section on the Application, if payment is to be paid to a party other than the Applicant. Residential New Construction applicants complete sections 1,2 and 4 only.
- Project Information and any calculations required by the Project Form(s)

### 3. SIGN:

- The Agreement on the Application
- (If applicable) The Payment Release Authorization on the Application, if incentive is to be paid to a party other than the Applicant
- The Agreement(s) on your choice of Project Form(s)

### 4. SUBMIT:

- The Application
- Your choice of Project Form(s)
- All required documentation pertaining to your project



## 3 CONTACT PG&E BEFORE SUBMITTING YOUR INFORMATION

You should contact a PG&E representative prior to submitting applications and other required documentation in order to participate in PG&E's Customized Energy Efficiency/Demand Response Incentive Program.

### Non Residential Projects:

Contact Business Customer Center at 1-800-468-4743.  
Email: [energymgmtprograms@pge.com](mailto:energymgmtprograms@pge.com)  
Refer to the Participation Handbook for requirements and guidelines.

### Residential Projects:

Contact the Residential Hotline at 1-800-342-7737  
Email: [newhomes@pge.com](mailto:newhomes@pge.com)  
Refer to the RNC Instruction Sheet for requirements and guidelines.



# 2008 INCENTIVE APPLICATION TERMS AND CONDITIONS

## TERMS AND CONDITIONS

I, the Applicant, agree to the following terms and conditions ("the Agreement"):

1. I meet the Customized Energy Efficiency/Demand Response Incentive eligibility requirements as stated in the appropriate attachment(s) included with this Application.
2. The information I have supplied on this Application and attachment(s) is true, correct, and complete.
3. I have read and understand the terms and conditions of the Agreement and on the appropriate attachments and agree to abide by the rules, requirements and terms set forth on this Application, the Agreement, and all attachments.
4. If the Agreement is terminated for any reason, Pacific Gas and Electric Company (PG&E) shall not be liable to the Applicant for damages or compensation of any kind.
5. PG&E reserves the right to determine eligibility for the Incentive.
6. PG&E MAKES NO REPRESENTATION OR WARRANTY, AND ASSUMES NO LIABILITY WITH RESPECT TO QUALITY, SAFETY, PERFORMANCE, OR OTHER ASPECT OF ANY DESIGN, SYSTEM OR APPLIANCE INSTALLED PURSUANT TO THE AGREEMENT, AND EXPRESSLY DISCLAIMS ANY SUCH REPRESENTATION, WARRANTY OR LIABILITY. APPLICANT AGREES TO INDEMNIFY PG&E, ITS AFFILIATES, SUBSIDIARIES, PARENT COMPANY, OFFICERS, DIRECTORS, AGENTS, AND EMPLOYEES AGAINST ALL LOSS, DAMAGE, EXPENSE, FEES, COSTS, AND LIABILITY ARISING FROM ANY MEASURES INSTALLED.
7. Both funding and the conditions of the Incentive are subject to the jurisdiction of the California Public Utilities Commission (CPUC) and shall be subject to such changes or modifications as the CPUC may, from time to time, direct in the exercise of its jurisdiction. If there are changes in the Incentive, PG&E will endeavor, but cannot guarantee, to provide a reasonable period of time before changes go into effect.
8. I understand that if the incentive is modified in any way or terminated by order of any government entity, then the Agreement shall be revised or terminated consistent with that order.
9. PG&E may assign the Agreement, in whole or in part, or its rights and obligations hereunder, directly or indirectly, by operation of law or otherwise, without the Applicant's prior written consent, provided PG&E remains obligated for payments incurred prior to the assignment. The Applicant may not assign this Application, in whole or in part, or its rights and obligations hereunder, directly or indirectly, by operation of law or otherwise without the prior written consent of PG&E.
10. I understand the Incentive requires inspections and measurements of the performance of the measures. Therefore, I agree to provide access to the Project Site for these purposes to PG&E and/or its agents or assigns and the CPUC and/or its agents or assigns.

*Continued on Page 4*



### *Terms and Conditions Continued from Page 3*

11. I agree to release PG&E, its affiliates, parent company, officers, managers, directors, agents, and employees from all claims, demands, losses, damages, costs, expenses, and liability (legal, contractual, or otherwise), which arise from or are in any way connected with any: (1) injury to or death of persons, including but not limited to employees of PG&E, customer, or any third party; (2) injury to property or other interests of PG&E, Applicant or any third party; (3) violation of local, state, or federal common law, statute, or regulation, including but not limited to environmental laws or regulations; (4) energy savings shortfall; so long as such injury, violation, or shortfall (as set forth in (1) - (4) above) arises from or is in any way connected with the Project, including any third party's performance of or failure to perform the Project, however caused, regardless of any strict liability or negligence of PG&E, its officers, managers, or employees.
12. Energy savings for which incentives are paid cannot exceed the actual usage provided by PG&E. Non-utility supply, such as cogeneration or deliveries from another commodity supplier, does not qualify as usage from PG&E (with the exception of Direct Access customers or customers paying departing load fees for which the utility collects PPP or PGC charges).
13. Funding approved for this Incentive is limited and will be paid on a first-come, first-served basis to qualified applicants. Funds will only be reserved upon PG&E's execution of the Agreement. This incentive offer is subject to the availability of authorized funds.
14. Installation of any energy-efficient equipment required for compliance with 2005 Title 24 will not qualify for incentives. Energy efficiency improvements beyond 2005 Title 24 requirements or a generally accepted industry standard, where applicable, may be eligible for incentives.
15. Specific restrictions may apply to each energy efficiency system, as outlined in the instructions and attached project forms.
16. To be eligible for incentives, I agree that I will not apply for or receive incentives offered by local or state entities or other utilities for measures covered under this Agreement.
17. PG&E may suspend or terminate the Agreement, without cause, upon written notice to me.
18. I understand the following Tax Liability provisions: PG&E will report incentives greater than \$600 as income to me on IRS form 1099 unless: 1) I have marked the "Corporation" or "Exempt" tax status box, or 2) the Payment Release Authorization section has been completed, in which the designated party will be responsible for tax liability.  

PG&E recommends that I consult a tax adviser concerning the taxability of incentives. PG&E is not responsible for any taxes that may be imposed due to incentive payments.
19. I understand once an acknowledgement receipt is issued for this Application under a Customized Energy Efficiency/Demand Response Program, the Application will be processed under that Program. If the Application is withdrawn at any time in the process, I may only resubmit an Application for the same project in the same program, under specific circumstances approved by the Program Manager.





2008

# CUSTOMIZED ENERGY EFFICIENCY INCENTIVES FOR RESIDENTIAL NEW CONSTRUCTION

# RNC INSTRUCTIONS

**The 2008 RNC Program offers builders and developers of single family homes three options for participation.**

### **Option #1 – ENERGY STAR® New Homes Performance Method (Use RNC-ES Form)**

The California ENERGY STAR New Homes Program requires all Single Family homes to be built at least 15% more energy efficient than required by the 2005 CA Title 24 Energy Code. To achieve ENERGY STAR designation, the U.S. Environmental Protection Agency (EPA) requires that builders meet the guidelines for the California ENERGY STAR New Homes Program, including:

- Quality Insulation Installation in combination with the Thermal Bypass Checklist as amended for California (QII/TBC)
- AC sizing requirements
- Minimum duct leakage requirements

(See [www.energystar.gov](http://www.energystar.gov) and search for “California guidelines” for a full list of requirements).

These additional measures may be utilized to achieve the required 15% performance margin. This year’s performance method option also allows participating builders to add selected energy-efficient products/measures and earn extra incentives at their discretion. The specific measures available are included on the Residential New Construction form RNC-ES.

### **Option #2 – Prescriptive Method (Use RNC-PC Form)**

Builders and developers must first meet the 2005 CA Title 24 Energy Code requirements. Builders and developers may apply to receive incentives for installing selected prescriptive products/measures. Incentives are not available for any prescriptive measure that is used to achieve Title 24 Energy Code compliance. The products/measures and their requirements are included on the RNC-PC form. See Product Catalog for details on qualifying equipment and products.

#### **Requirements for Option #2:**

1. Products/measures must be installed between January 1, 2007 and December 31, 2008
2. Refer to the **Residential New Construction Catalog** to make sure your selected products/measures meet all requirements
3. If applicable, submit a hard copy and electronic copy of your final 2005 CA Title 24 CF-1R form as filed for your building permit
4. Submit manufacturer specifications for products/equipment
5. Production home builders, must submit a lot/address list for the project
6. All products/measures must be installed prior to submitting the completed and signed Builder Request for Payment and Inspection Forms (will be included with your acceptance letter)
7. Provide original proof of purchase and supporting documentation, which must include all of the following information:
  - Itemized receipts/invoice listing each product including quantity, product description, manufacturer name, model number, or other identifying information (i.e. SKU#) as appropriate
  - Purchase price per product/item
  - Date “Paid in Full” or payment terms
  - Product installation date
  - Product installation location address

### **Option #3 – New Solar Homes Partnership Performance Method- Tier I or Tier II (Use RNC-NSHPPM Form)**

**Compliance documents must be prepared by a Certified Energy Plans Examiner (CEPE).**

#### **Tier I requirements:**

1. All homes in the project must exceed 2005 CA Title 24 Energy Code by at least 15%
2. All appliances offered must be ENERGY STAR rated
3. Homes in the project may include solar generation but this is not required

**OR**

#### **Tier II requirements:**

1. All homes in the project must exceed 2005 CA Title 24 Energy Code by 35% and the Space Cooling portion of the Title 24 calculation by 40%.
2. All appliances offered must be ENERGY STAR rated
3. All homes in the project **MUST** include solar generation as an option. Solar generation is not required on all homes in the project
4. All homes in the project **MUST** have electric distribution service from PG&E

Requirements for Option #3: See the RNC-NSHPPM Form (in this application package) “General Instructions and Program Requirements” section. Also see “How to Apply” and “After the Units are Inspected” sections in this document.

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We invite you to choose the option that best suits your project needs. **These three options are offered separately and cannot be combined.**

### **FOR ADDITIONAL INFORMATION**

contact your  
PG&E representative  
or PG&E’s Residential  
New Construction Hot Line  
at **800-342-7737**.

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## PROGRAM PROCESS OVERVIEW

1. The Applicant completes the Customized Energy Efficiency/Demand Response Incentive Application and the applicable RNC forms and submits all documentation listed in the applicable "How to Apply" section to the PG&E representative.
2. The PG&E representative will directly contact the Applicant and/or the Title 24 documentation author for any necessary clarifications or corrections.
3. The Applicant must ensure that certificate CF-6R and/or CF- 6RPV are available for inspection by the HERS Rater. Verification of compliance must be recorded in the HERS Provider's Registry (or other database acceptable to PG&E) by the HERS Rater prior to payment of incentive.
4. In the event there is no required HERS inspection, the Applicant submits a Request For Inspection and Payment Form along with proof of purchase documents to PG&E. PG&E will arrange to have an inspector field verify all program products/measures have been installed as approved.
5. Prior to paying incentives, PG&E will be reviewing all inspection documents to ensure program compliance. **PG&E retains final authority to determine program compliance and eligibility for incentives.**

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### Home Energy Rating System (HERS) providers:

#### CalCERTS™, California Certified Energy Rating and Testing Services:

www.calcerts.com  
or call 916-985-3400

#### CBPCA, California Building Performance Contractors Association:

www.CBPCA.org

#### CHEERS®, The California Home Energy Efficiency Rating System:

www.CHEERS.org  
or call 800-4-CHEERS  
(800-424-3377)

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## PROJECT VIABILITY

So that funds will be distributed evenly under this program, the Applicant may be required to demonstrate the viability of the project for which he/she is applying. Following the approval of the Application and within a three (3) month period, the Applicant may be asked to supply documents that reflect a commitment to timely construction.

The following documents may be required:

- Grading Permit
- Approved construction schedule from the governing entity
- Building Permit
- Financing and other pertinent documents

If, after review of these documents, PG&E determines that the project is not progressing, PG&E reserves the right to cancel the Application. If these documents are not available, Applicant must demonstrate that the project is in the process of obtaining construction permits. If the project Application is cancelled, the owner/builder/developer may reapply at a later date. Applications will be accepted and incentives will be committed based upon the funds available at the time of reapplication.

## AGREEMENT

### PG&E Agrees To:

1. Provide an incentive for eligible buildings that qualify for PG&E's RNC Program (Program). Once the Application has been accepted, as evidenced by a Letter of Acceptance from PG&E, incentive funds will be allocated and paid, provided the Applicant (owner/builder/developer) meets all of the requirements specified in the Application. **(Funds are limited and will be reserved on a first come, first served basis to projects that meet Program requirements. NO payments will be made for any energy efficient upgrades installed without prior written approval from PG&E).**
2. Provide general advertising, which highlights the benefits of the California ENERGY STAR New Homes Program to home buyers. PG&E does not guarantee any particular level, type or frequency of advertising.
3. Produce merchandising materials for home buyers describing the features and benefits of the California ENERGY STAR New Homes Program.

### Applicant Agrees To:

1. Comply with the terms specified in this Agreement for residential new construction projects.
2. Install all energy efficient features described in the Title 24 CF-1R or CF-IRPV Form to meet Program requirements, according to prevailing industry standards.
3. **Notify PG&E in writing, prior to construction, of any changes that will affect the number of units, energy use, performance of the units, overall HERS rating and/or incentive levels covered by this Agreement.** In every case, the Applicant agrees to make this notification before requesting incentive payment for affected units.
4. Ensure that PG&E representatives have access to each home, prior to occupancy, to verify installation of products/measures.
5. Not state or imply to dwelling occupants or others that it is an agent, employee or representative of PG&E.
6. Comply with all of the Program on-site verification requirements. This includes utilizing a certified HERS Rater to perform the home energy ratings, diagnostic testing and verification as required by the California Energy Commission (CEC).
7. Not refer to any home/dwelling units as California ENERGY STAR New Homes unless that home or those dwelling units qualify as such under the conditions specified by ENERGY STAR. References include advertising copy, other promotional material or verbal representation.

8. Make good-faith efforts to promote the Program by displaying the provided California ENERGY STAR New Homes merchandising materials at the participating project.
9. Install all energy efficient features required for 2005 CA Title 24 compliance and required to meet 2007-2008 California ENERGY STAR New Homes program standards.

**Additional Terms:**

1. **AGREEMENTS REMAIN IN EFFECT FOR THIRTY (30) MONTHS FROM THE DATE PG&E SIGNS THE APPROVED APPLICATION, EXCEPT FOR THE PROVISIONS REQUIRING ACCESS TO PROJECT FOR AUDIT OR VERIFICATION PURPOSES.** Revisions and/or additions to the Application will expire based on the expiration date of the original Application.
2. Homes covered under the Application must fully meet Program requirements and a written request for incentive payment must be submitted to PG&E **prior** to the project expiration date (as indicated on the builder's project acceptance letter) to be considered for payment.
3. The Application shall be as accurate as possible. Inaccuracies can lead to costly and time consuming reprocessing for both the Applicant and PG&E. If the first submittal of an Application is rejected, it can be revised and resubmitted no more than twice for a particular project. A resubmittal is due within 7 business days of the date of the rejection notice. PG&E will process the resubmittal once without additional cost. **However, \$100.00, representing a portion of PG&E's reprocessing costs, will be passed through to the Applicant and deducted from the total incentive payment for each plan or model if a second resubmittal is processed.**

## BUILDING REQUIREMENTS

**To qualify for the incentive payment, each single family project must be:**

1. A new construction home receiving electric distribution and/or natural gas distribution from PG&E (To qualify for the NSHP Tier II option, a project must have electric distribution from PG&E). **Homes must demonstrate electric and gas savings per the final 2005 CA Title 24 CF-1R as filed with your building permit.**
2. A single family detached dwelling or two-dwelling building of any number of stories, R-3 occupancy, and on PG&E's residential rates. Structures detached from the primary residence that are residential living areas (e.g. casitas) must also meet all Program criteria, but are not eligible for a separate incentive. **The following facilities do not qualify:** remodels, additions, manufactured housing, mobile homes, residential care facilities, and dormitories. For information on other residential programs that may apply to these buildings, call 1-800-933-9555.
3. The applicant's primary residence, if it is a custom home. **Vacation homes are not eligible.**
4. Permitted under the 2005 CA Energy Efficiency Standards for Low Rise Residential Buildings (Title 24) achieving compliance using a CEC-approved computer method. The Prescriptive Method (i.e. Package D) is not eligible. Projects must meet, at a minimum, CEC installation and field verification requirements as documented by PG&E or a certified HERS Rater.

Additionally, to qualify for the ENERGY STAR label, projects need:

- A signed EPA Participation Agreement
- Third party verification of QII/TBC
- Over-sizing restrictions on air conditioning systems
- Limited ductwork leakage on all homes

## HOW TO APPLY

**Contact the PG&E representative prior to construction to ensure that you have the most current Program information available. Program and/or incentive levels may be changed or cancelled without notice. Submit the following to the PG&E representative for each housing type within the project:**

1. A completed original Customized Energy Efficiency Incentive Application and the applicable RNC form (either RNC-ES, RNC-NSHPPM or RNC-PC) postmarked or received by PG&E no later than December 15, 2008.
2. A hard copy of the final 2005 CA Title 24 CF-1R form and the CF-1RPV (solar project) form as filed for your building permit.
3. The electronic input file for the 2005 CA Title 24 Energy Code compliance computer run for each model as approved for the project's building permit. This may be submitted on a disk or by e-mail to the Program plan check agency or representative (request e-mail address from the PG&E representative).
4. A set of construction plans including:
  - A. Architectural, mechanical and plumbing (if applicable) plans
  - B. A subdivision lot map for production home projects
  - C. A list of lots and addresses
  - D. A site plan with North arrow for custom homes

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The California ENERGY STAR New Homes program is the trade name for the Investor Owned Utilities (IOUs) residential new construction programs. For more information on the California Title 24 Building Energy Efficiency Standards (the baseline which California ENERGY STAR New Homes must exceed), contact the California Energy Commission or refer to the following:

**California Energy Commission (CEC):**  
2005 CA Title 24 Standards: [www.energy.ca.gov/title24](http://www.energy.ca.gov/title24), select 2005 Standards, select Residential Manual

**New Solar Homes Partnership (NSHP):**  
For detailed information on the solar program. [www.gosolarcalifornia.ca.gov](http://www.gosolarcalifornia.ca.gov)

**EPA ENERGY STAR New Homes Program:**  
For more information refer to: [www.energystar.gov/homes](http://www.energystar.gov/homes) or call 888-STAR-YES (888-782-7937)

**Consortium for Energy Efficiency:**  
[www.CEE1.org](http://www.CEE1.org)

**ENERGY STAR:**  
EPA Environmental Protection Agency  
[www.energystar.gov](http://www.energystar.gov)

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**Submit Application  
Package to Your PG&E  
Representative  
or Mail Application To:**

PG&E Integrated  
Processing Center  
Residential New Construction  
P. O. Box 7265  
San Francisco, CA 94120-7265

**For Overnight Delivery,  
Send To:**

PG&E Integrated  
Processing Center  
Residential New Construction  
77 Beale Street  
Mail Code BOB1U  
San Francisco, CA 94105-1814

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5. A copy of your signed EPA Partnership Agreement for all ENERGY STAR projects.
6. Mechanical equipment specification sheet for each unit type.
7. Load sizing calculations for each unit type for ENERGY STAR projects.
8. In cases where products/measures and construction elements may vary from default or minimum efficiency values, PG&E will require supporting specification sheets such as, but not limited to:
  - Glazing products - manufacturer's NFRC U-factors and SHGCs
  - Air conditioners - ARI reference numbers or condenser/coil match manufacturer and model numbers
  - Furnace - manufacturer and model number with the AFUE rating for each unit
  - Tankless water heaters - manufacturer and model number with Recovery Efficiency rating
  - Night ventilation cooling - equipment specifications
9. The Applicant listed on the Customized Energy Efficiency/Demand Response Incentive Application for Residential New Construction shall be responsible for submitting documentation that verifies compliance with CEC and Residential New Construction Program requirements to PG&E's satisfaction.

### ONCE YOU RECEIVE WRITTEN APPROVAL FROM PG&E

**Before Construction**

Engage the services of a certified HERS Rater to provide field verification for all products/measures requiring third party verification.

**During Construction**

1. Notify PG&E of any changes that will affect total energy use of the dwelling units such as added or relocated windows, addition of "bonus" rooms or other areas not shown on the Title 24 submittal, changes in proposed HVAC systems or water heating equipment, and/or changes to the insulation.
2. Notify PG&E of any plan additions.
3. If applicable, obtain the CF-6R form and CF-6RPV (solar) form provided by the HVAC/PV contractor for every house.
4. If applicable, obtain the appropriate CF-4R form and the CF-4RPV (solar) HERS rating certificates for each home upon completion of field verification. Certificates must be submitted for the tested house and for the non-tested homes in the same sampling group. HERS Raters will be inspecting to ensure that all Program products/measures are installed. Projects with "failures" are subject to CEC re-testing procedures and related fees at owner/builder/developer's expense.
5. The CF-4R and the CF-4RPV (solar) forms will be reviewed by PG&E to confirm home has met Program requirements.

### AFTER THE HOMES ARE INSPECTED

**Applicant shall provide PG&E with the following:**

1. Completed Request for Inspection and Payment Forms (provided with acceptance letter from PG&E) for each approved model or plan.
2. Original proof of purchase and supporting documentation that includes:
  - Itemized receipts/invoice listing each product including quantity, product description, manufacturer name, model number, or other identifying information (i.e. SKU#) as appropriate
  - Purchase price per product/item
  - Date "Paid in Full" or payment terms
  - Product installation date
  - Product installation location address





# RESIDENTIAL NEW CONSTRUCTION 2008 CATALOG

**\*These products/measures do not qualify for rebates if they are used to achieve Title 24 compliance and require HERS verification.**  
**NOTE: Not all ENERGY STAR® Appliances qualify for incentives. For a list of qualifying products, refer to the following Web sites: [www.cee1.org](http://www.cee1.org), [www.energystar.gov/products](http://www.energystar.gov/products), and [www.coolroofs.org](http://www.coolroofs.org)**

## HIGH EFFICIENCY DISHWASHER LEVEL 1

The heating source for the water heater must be natural gas or electricity distributed to the installation address by PG&E. Dishwashers must have an Energy Factor (EF) of 0.65 to 0.67. List of qualifying products is available at [www.energystar.gov](http://www.energystar.gov). .....**\$30.00/each**

## HIGH EFFICIENCY DISHWASHER LEVEL 2

The heating source for the water heater must be natural gas or electricity distributed to the installation address by PG&E. Dishwashers must have an Energy Factor (EF) of 0.68 or greater. List of qualifying products is available at [www.energystar.gov](http://www.energystar.gov). .....**\$50.00/each**

## HIGH EFFICIENCY CLOTHES WASHER LEVEL 1

The heating source for the water heater must be natural gas or electricity distributed to the installation address by PG&E. Qualifying clothes washers must have a Modified Energy Factor (MEF) of 2.0 or greater and a Water Factor (WF) of 6.0 or less. List of qualifying products is available at [www.cee1.org](http://www.cee1.org). .....**\$35.00/each**

## HIGH EFFICIENCY CLOTHES WASHER LEVEL 2

The heating source for the water heater must be natural gas or electricity distributed to the installation address by PG&E. Qualifying clothes washers must have a Modified Energy Factor (MEF) of 2.2 or greater and a Water Factor (WF) of 4.5 or less. List of qualifying products is available at [www.cee1.org](http://www.cee1.org). .....**\$75.00/each**

## NATURAL GAS CLOTHES DRYERS

Natural gas must be distributed to the installation address by PG&E. The natural gas dryer must have a moisture sensor.....**\$50.00/each**

## HIGH EFFICIENCY RESIDENTIAL REFRIGERATOR

Electricity must be distributed to the installation address by PG&E. Qualifying refrigerators must exceed the current federal standards by 20%. Not all ENERGY STAR refrigerators qualify for this incentive. List of qualifying products is available at [www.energystar.gov/products](http://www.energystar.gov/products). .....**\$50.00/each**

## COOL ROOFS

**Climate Zones 2, 4, 11, 12 &13 ONLY**

Applicant must install central air conditioning, must have electricity distributed to the installation address by PG&E, and must install roofing materials that meet the Initial Solar Reflectance and Initial Thermal Emittance specified below as rated by the Cool Roof Rating Council. For product qualification, go to [www.coolroof.org](http://www.coolroof.org). **Roofs that have solar panels do not qualify for this rebate.**

### Rebate Level and Product Specifications.

Type	Tier	Initial Solar Reflectance	Initial Thermal Emittance	Rebate
Low Slope	N/A	≥ 0.70	≥ 0.75	\$0.20 per sq ft
Steep Slope	Tier 1	0.25 to 0.39	≥ 0.75	\$0.10 per sq ft
	Tier 2	≥ 0.40	≥ 0.75	\$0.20 per sq ft

### Definitions of terms:

We identify cool roofs in two primary categories, low and steep slope.

- A low-slope roof is a roof surface with a maximum slope of 2 inches "rise" for 12 inches "run" as defined in American Society for Testing and Materials Standard E 1918-97.
- Steep-slope roofs, or sloped roofs, are roof surfaces with a slope greater than 2 inches "rise" for 12 inches "run."

## \*LIGHTING-INTERIOR HARDWIRED HIGH EFFICACY FIXTURES WITH MANUAL ON AUTO OFF CONTROLS

Electricity must be distributed to the installation address by PG&E. In addition to applicable controls, as defined by 2005 Title 24 lighting requirements, builders may receive incentives for installing high efficiency lighting fixtures in bathrooms, bedrooms, garages, laundry rooms, utility rooms, living rooms, dining rooms and/or hallways (kitchens excluded).. .....**\$10.00/fixture**





**•92 AFUE HIGH EFFICIENCY CENTRAL NATURAL GAS FURNACE AND VARIABLE SPEED FAN**

Natural gas must be distributed to the installation address by PG&E. The builder must install a natural gas furnace that is GAMA rated at least a 92 AFUE. Units with a variable fan qualify for a higher incentive.

**With variable speed fan .....\$250.00/system**  
**Without variable speed fan .....\$200.00/system**

**\*NATURAL GAS TANKLESS WATER HEATER**

Natural gas must be distributed to the installation address by PG&E. Natural Gas Tankless water heater of .80 EF or greater without a standing pilot. Must be the primary system for the residence or dwelling unit. ....**\$200.00/system**

**\*QUALITY INSULATION INSTALLATION**

To qualify the builder shall not have taken the improved insulation credit to achieve Title 24 compliance. Builder must install a wall insulation system, either fiberglass batt or a blown insulation material that eliminates gaps in the walls by fully filling all wall cavities, regardless of the presence of electrical wiring or plumbing. Additionally, common ceiling insulation defects, including un-insulated attic access hatches, areas of missing ceiling insulation, poorly insulated attic knee walls and interior wall cavities not properly draft stopped, must be eliminated.

**This measure requires third party verification by a HERS certified rater.** For additional information see California Energy Commission 2005 Residential Manual 3.3.7. ....**\$150.00/structure**

**\*TIER 1 AIR CONDITIONER/HEAT PUMP - SPLIT SYSTEMS OR PACKAGED SYSTEMS**

**Climate Zones 2, 4, 11, 12 &13 ONLY**

Electricity must be distributed to the installation address by PG&E. The builder must first comply with Title 24, using a minimum SEER 13 and EER 11 air conditioner. Builder then must upgrade or install the incentive qualifying equipment or system without changing their Title 24 qualifying documentation. Qualifying air conditioning systems, condenser and evaporator coil, must be listed and rated by the Air Conditioning and Refrigeration Institute (ARI) as a matched system.

The qualifying Split Systems system must achieve at least a minimum rating of SEER 14 and EER 12 or if applicable HSPF 8.5. The qualifying Package System must achieve at least a minimum rating of SEER 13 and EER11 or if applicable HSPF 8.0. The equipment should appear on the CEE Directory of ARI Verified Equipment ([www.ceehvacdirectory.org](http://www.ceehvacdirectory.org)) as a Tier 1 system. ....**\$250.00/system**

**\*REFRIGERANT CHARGE AND AIR FLOW AND VERIFICATION INCENTIVE**

**Climate Zones 2, 4, 11, 12 &13 ONLY**

Electricity must be distributed to the installation address by PG&E. The builder must use an HVAC contractor that participates in a Refrigerant Charge and Air Flow (RCA) verification service. An RCA service provider provides the HVAC contractor with training and computer support to ensure that the technician has achieved proper refrigerant charging and air flow. The service provider performs quality assurance checks on each technician's work.....**\$40.00**

**\*NIGHT VENTILATION COOLING**

**Climate Zones 2, 4, 11, 12 &13 ONLY**

Electricity must be distributed to the installation address by PG&E. Night Ventilation Cooling is accomplished with a single integrated HVAC system using the normal air handler, supply and return duct system. In addition to the normal HVAC equipment, the Night Ventilation Cooling system utilizes a smart thermostat, mechanical damper, inlet and exhaust ducts to automatically ventilate the house with 100% outside air when outdoor temperatures are below indoor temperatures. Two levels of incentive are offered based on the type of fan motor used. Systems utilizing a fixed speed (or PSC) fan motor for night ventilation are eligible for a Tier 1 incentive and systems that utilize a variable speed fan motor for night ventilation will qualify for a Tier 2 incentive.

**Tier 1 .....\$250.00/system**  
**Tier 2 .....\$500.00/system**

**\*VERIFIED DUCTING SYSTEMS (TIGHT DUCTS)**

**Climate Zones 2, 4, 11, 12 &13 ONLY**

Natural gas or electricity must be distributed to the installation address by PG&E. Tight ducts are eligible for an incentive after verification by a HERS rater. A diagnostic leakage test is performed and the measured total duct leakage must be less than 6% of the total fan flow. This incentive is available only for duct system in unconditioned space. For additional information see California Energy Commission ACM Residential Manual RC 2005 Appendix RC 4. ....**\$175.00/system**



"PG&E" refers to Pacific Gas and Electric Company, a subsidiary of PG&E Corporation. Funding for this program is provided by California utility customers and administered by PG&E, under the auspices of the California Public Utilities Commission.

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# 2008 RESIDENTIAL NEW CONSTRUCTION NEW SOLAR HOMES PARTNERSHIP PERFORMANCE METHOD FORM

# RNC-NSHPPM

**(Applicants for this program may also apply for solar generation funding with the California Energy Commission New Solar Homes Partnership). Builders may choose either the Tier I or Tier II option.**

## PROJECT INFORMATION

Project Name		Climate Zone	
Project Address/Location		City/State ( )	Zip
Project Site Contact Name	Contact Phone Number	Contact E-Mail Address	
Permitting Agency (County/City)	Date Permitted	Project Start Date	Project Completion Date
Home Energy Rating System (HERS) Rater Company	HERS Rater	Rater Telephone No.	Name of HERS Provider

## PROJECT TYPE

Single family detached dwellings or 2 dwelling building

**Solar generation on this project**  Yes  No

**ENERGY STAR® compliant**  Yes  No

Custom Home  Duplex  Production Home  Town Home

Tract	Phase Number	Lot Number(s)	Actual no. of lots to be permitted within this application	Total no. of plan types in this project
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## GENERAL INSTRUCTIONS AND PROGRAM REQUIREMENTS

- Call 1-800-342-7737 for details and funding availability for PG&E's Residential New Construction Program (Program) prior to submitting application. **You must receive written approval from PG&E before installing any energy efficient upgrades.**
- Complete one form per project and list ALL plans/model types. Incentive payments are available only to owners, builders or developers named on the Customized Energy Efficiency/Demand Response Incentive Application.
- Submit the Customized Energy Efficiency Incentive Application, this RNC-NSHPPM form, and all other required documents to the PG&E representative prior to construction. **Funds are limited and will be reserved on a first come, first served basis to projects that meet the Program requirements. NO payments will be made for any energy efficient upgrades installed without prior written approval from PG&E.**  
**To qualify for the incentive payment:**
  - Each project must be single family detached dwelling or two dwelling building of any number of stories, R-3 occupancy, and on PG&E's residential rates. Structures detached from the primary residence that are residential living areas (e.g., casitas) must also meet all Program criteria but are not eligible for a separate incentive. **The following facilities do not qualify:** remodels, additions, manufactured housing, mobile homes, residential care facilities, and dormitories. (For information on other PG&E programs that may apply to these buildings call 800-933-9555).
  - Each project must be permitted under the CA 2005 Energy Efficiency Standards for Low Rise Residential Buildings (Title 24) effective October 1, 2005 and achieve compliance using a CEC approved computer method. The Prescriptive Compliance Method is not eligible (i.e. Package D). Compliance documents must be prepared by a Certified Energy Plans Examiner (CEPE). Projects must meet, at a minimum, CEC installation and field verification requirements, as documented by PG&E or a certified HERS Rater.
  - Projects must meet the following efficiency levels:
 

<b>Tier I requirements:</b> <ol style="list-style-type: none"> <li>All homes in the project must exceed 2005 CA Title 24 Energy Code by 15%.</li> <li>All appliances offered must be ENERGY STAR rated, and</li> <li>Homes in the project may include the option of solar generation, but this is not required.</li> </ol>	<b>OR Tier II requirements:</b> <ol style="list-style-type: none"> <li>All homes in the project must exceed 2005 CA Title 24 Energy Code by 35% and demonstrate a 40% reduction in cooling load for the applicable climate zone,</li> <li>All appliances offered must be ENERGY STAR rated, and</li> <li>Home/Project MUST include the option of solar generation. Solar generation is not required on all homes in the project.</li> <li>All homes in the project must have electric distribution service from PG&amp;E</li> </ol>
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- This Program will end December 31, 2008, or sooner if funds budgeted for the 2007-2008 program years are expended or fully committed. PG&E will not accept applications after December 15, 2008.

## AGREEMENT

- I, the undersigned, agree that:**
- I meet the Residential New Construction Program eligibility requirements as set forth in the Residential New Construction Instruction Sheets.
  - This project will participate in the California Energy Commission New Solar Homes Partnership** Yes  No .
  - The information that I have supplied on this form is true, correct and complete.
  - I have read, understand and agree to abide by the program rules, requirements and terms set forth in the General Instructions and Program Requirements section above and in the attached Customized Energy Efficiency Incentive Application and Residential New Construction Instruction Sheets.
  - This project is not receiving energy efficiency incentives from any other publicly funded source.

Applicant Name (Please Print)	Company
Signature	Date

## UTILITY APPROVAL

Date Application Received	PG&E Representative	Authorized Signature
Date Application Approved	Title	Plan Check Approval

**FOR PG&E USE ONLY: Project # \_\_\_\_\_ Application No. \_\_\_\_\_**

