Department of Public Works & Engineering
Planning & Development Services Division

HOUSTON RESIDENTIAL ENERGY CODE
10% PRESCRIPTIVE OPTION PACKAGE FORM

Introduction
This form should be completed when using the Houston Prescriptive Option Packages for compliance with the Houston Energy Code 10% above code provisions. This should be used in addition to the 2009 Energy Form.

Instructions
Indicate which option package was selected by checking the applicable box in the "Group" Column. Please note that all items in the package must be met to achieve a minimum of 10% compliance. Choose only one option applicable to the type of structure.

Project Address: _____ **Project No.:** _____

ONE AND TWO FAMILY STRUCTURES

GROUPS	MEASURES	EXPLANATION
Group 1 ☐	• Photovoltaic Array for 2kW	Photovoltaic Array for 2kW: *Installed according to DC Standard Test Criteria and manufacturer's instructions.* This option is to provide credit for the installation of a photovoltaic array that will achieve at least 2kW of energy. This option will have additional code requirements for the anchoring and electrical items. Please see Solar Guideline Form No. 1198.
Group 2 ☐	• Decreased Duct Leakage (max. 4.8 cfm/100 sf.) • Decreased Infiltration 5 ACH50 • Improved SEER (minimum 15) • Improved Furnace Efficiency (minimum .93 AFUE)	Decreased Duct Leakage: Decreased Leakage (from 8cfm / 100 sq. ft. to 4.8 cfm / 100 sq. ft.): *Ducts tested with less than 4.8 cfm leakage to outside per 100 sq. ft. of conditioned floor area* Decreased Infiltration (from 7 ACH to 5 ACH): tested with a blower door at a pressure of 33.5 psf (50 Pa). Improved SEER (minimum 15): *Manufacturer's nominal rating* Improved Furnace Efficiency (from .78 to .93 AFUE): *Manufacturer's rating*

MULTI-FAMILY STRUCTURES WITH ELECTRIC HEATING

GROUPS	MEASURES	EXPLANATION
Group 1 ☐	• Photovoltaic Array for 2kW/Unit)	Photovoltaic Array for 2kW/unit: *Installed according to DC Standard Test Criteria and manufacturer's instructions.* This option is to provide credit for the installation of a photovoltaic array that will achieve at least 2kW of energy. This option will have additional code requirements for the anchoring and electrical items. Please see Solar Guideline Form No. 1198.
Group 2 ☐	• Mechanical Systems within Conditioned Spaces *Upper Floor Only* • 75% Energy Star CFL/LED Indoor Lamps • Decreased Infiltration 5 ACH50 • Improved SEER (minimum 14) • Decreased U-Factor (maximum .35)	Mechanical Systems within Conditioned Spaces: *Ducts in ventilated attic moved to a location within the thermal envelope of conditioned space including unventilated attic space.* 75% Energy Star CFL/LED Indoor Lamps: *Permanent Compact Florescent or LED fixtures excluding closets.* Decreased Infiltration (from 7 ACH to 5 ACH): tested with a blower door at a pressure of 33.5 psf (50 Pa). Improved SEER (from 13 to 14): *Manufacturer's rating* Decreased U-factor (from .65 to .35): *NFRC 100 and 200*
Group 3 ☐	• 75% Energy Star CFL/LED Indoor Lamps • Decreased Duct Leakage (max 4.8 cfm /100 sq. ft.) *Upper Floor Only* • Tankless water heater (min. .98 Energy Factor) • Decreased Infiltration 5 ACH50 • Improved SEER (minimum 14) • Decreased U-Factor (maximum .35)	75% Energy Star CFL/LED Indoor Lamps: *Permanent Compact Florescent or LED fixtures excluding closets* Decreased Leakage (from 8cfm / 100 sq. ft. to 4.8 cfm / 100 sq. ft.): *Ducts tested with less than 4.8 cfm leakage to outside per 100 sq. ft. of conditioned floor area.* Tankless water heater (from .54 to .98 Energy factor for Electric Multi-family): *Manufacturer's rating* Decreased Infiltration (from 7 ACH to 5 ACH): tested with a blower door at a pressure of 33.5 psf (50 Pa). Improved SEER (from 13 to 14): *Manufacturer's rating* Decreased U-factor (from .65 to .35): *NFRC 100 and 200*
Group 4 ☐	• 75% Energy Star CFL/LED Indoor Lamps • Decreased Duct Leakage (max. 4.8 cfm /100 sq. ft.) *Upper Floor Only* • Decreased Infiltration 5 ACH50 • Improved SEER (minimum 14) • Decreased U-Factor (maximum .35)	75% Energy Star CFL/LED Indoor Lamps: *Permanent Compact Florescent or LED fixtures excluding closet.* Decreased Leakage (from 8cfm / 100 sq. ft. to 4.8 cfm / 100 sq. ft.) Upper Floor Only: *Ducts tested with less than 4.8 cfm leakage to outside per 100 sq. ft. of conditioned floor area.* Decreased Infiltration (from 7 ACH to 5 ACH): tested with a blower door at a pressure of 33.5 psf (50 Pa). Improved SEER (from 13 to 14): *Manufacturer's rating* Decreased U-factor (from .65 to .35): *NFRC 100 and 200*