

Home Energy Retrofit Coordinating Committee (HERCC) Recommendations

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Overview of Recommendations

BASIC

“Weatherization”
required & optional
prescriptive measures

ADVANCED

“Home Performance
with Energy Star”
performance-based

Optional green building measures

RENEWABLES

“Reduce, then Produce”

HERCC Basic Package

- ❖ Core requirements must be met
 - Air sealing w/ blower door test
 - Attic & hot water insulation
 - Combustion safety test & CO alarm
- ❖ Additional, optional measures can qualify for financing
- ❖ Major duct sealing or system replacement not included



HERCC Basic Package

- ❖ Measures performed during an upgrade or past work verified by a HERS rater
- ❖ Draws on experience of weatherization programs - provides a pathway for contractors
- ❖ Building performance contractor expertise is helpful, but not required

Comparison of Packages

	Basic Package	Advanced Package	
Definition	Prescriptive: List of cost effective measures that must be performed	Performance-based: Energy use reduction based on HERS II diagnostic tests and rating	
Cost	\$\$	\$\$\$ - \$\$\$\$	
Performance tests required	Combustion safety, blower door	Combustion safety, full HERS II diagnostic test-in and test-out	
Who does the diagnostic testing?	NA	California Whole House Home Energy Rater (HERS II)	Building Performance Contractor (BPI)
Who does the work? (% QA)	Licensed Contractor (15%)	Licensed Contractor (15%)	Building Performance Contractor (5%)
Who does the verification?	HERS Rater, for applicable Title 24 measures	California Whole House Home Energy Rater	Building Performance Contractor

HERCC Advanced Package

❖ Requirements:

- Diagnostic test-in & test-out
- Combustion safety backdraft test
- Achieve a 20% reduction via HERS II scores

OR

- Achieve a final HERS II score of less than 100



HERCC Advanced Package

- ❖ A HERS II Compliant audit and energy rating will be performed in order to:
 - To set a baseline energy score/index
 - To describe baseline conditions
 - To provide supporting documentation for the finance application
 - To help the homeowner understand baseline conditions and the recommended energy efficiency improvement options

Advanced Package Financing

❖ Minimum loan amount: \$5,000

❖ The maximum dollar amount shall be:

$$\frac{(\text{Total building sq. ft.}) \times (\% \text{ energy use reduction})}{2}$$

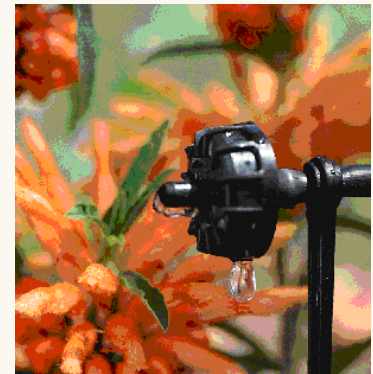
❖ Total cost cap of \$100,000

❖ A 2,000 sq. ft. building that will reduce energy by 20% is eligible for:

$$\frac{(2,000) \times 20}{2} = \$20,000$$

HERCC Green Building Measures

- ❖ Capture additional benefits in climate, comfort and cost:
 - Energy and water efficient fixtures, appliances
 - Recycled-content insulation, divert waste from retrofit process
 - Low-emitting materials, radon test
- ❖ Measures not eligible for financing
- ❖ Low/no cost measures or rebates available



Pathway to GreenPoint Rated Existing Home!

- ❖ All prerequisites and required points are met for GreenPoint Rated Elements label
- ❖ The Advanced HERCC package may meet the energy budget for GreenPoint Rated Whole House label



HERCC Renewables Recommendation

- ❖ Reduce, then Produce:
 - Achieve a 20% reduction via HERS II scores
 - OR**
 - Achieve a final HERS II score of less than 100
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- ❖ In nearly all cases, efficiency first achieves more cost-effective energy savings

CEC SEP Funding Highlights

- ❖ \$96 M to CEMF, Res. Retrofit and Municipal/Commercial Retrofit
- ❖ Cities/counties preferred recipients, “others” also eligible
- ❖ Must achieve 10%+ bldg. energy use reduction via efficiency before funding renewables/solar
- ❖ Strongly encourage whole-house retrofits
- ❖ Must ensure installation quality
- ❖ Favors leveraging funds/regional collaboration