

**Seattle City Light / Energy Smart Design
FUNDING CALCULATION FORM for
PACKAGED TERMINAL AIR CONDITIONERS and
PACKAGED TERMINAL HEAT PUMPS**

See "Instruction Sheet for Packaged Terminal Air Conditioners and Packaged Terminal Heat Pumps"
for details on how to use this form and for additional requirements.

Facility Name	Form Completed by	Date
Manufacturer/Model Number	Total Capacity	Total Floor Area Served (SqFt)

I. COOLING ENERGY SAVINGS

A	Rated Cooling Capacity per unit in Btu/h	From manufacturer's literature	Btu/h
B	Adjusted Rated Cooling Capacity	If (line A) < 7,000 Btu/h, enter 7,000 If (line A) > 15,000 Btu/h, enter 15,000	Btu/h
C	Baseline Performance (EER)	12.2 - [0.20 x (line B)/1,000]	Btu/Watt-h
D	EER of Proposed Unit	From manufacturer's literature, 80 F, ARI standard 310-1990	Btu/Watt-h
E	Performance Improvement	(1 / line C) - (1 / line D)	Watt-h/Btu
F	Equivalent Full Load Hours		900 hrs/yr
G	Cooling Energy Savings per Unit	[(line A) x (line E) x (line F)] / 1,000	kWh/yr
H	Number of Units		
I	Total Cooling Energy Savings	[(line G) x (line H)]	kWh/yr

(If the units are heat pumps, fill out this section, otherwise enter 0 (zero) at line P and go to Section III.)

II. HEATING ENERGY SAVINGS

J	Baseline Performance (COP)	2.9 - [0.026 x (line B)/1,000]	Btu/Btu
K	COP of Proposed Unit	From manufacturer's literature, 47 F db / 43 F wb, ARI standard 380-1990	Btu/Btu
L	Performance Improvement	(0.293 / line J) - (0.293 / line K)	Watt-h/Btu
M	Equivalent Full Load Hours		1,400 hrs/yr
N	Heating Energy Savings per Unit	[(line A) x (line L) x (line M)] / 1,000	kWh/yr
O	Total Heating Energy Savings	(line H) x (line N)	kWh/yr

III. ANNUAL ENERGY SAVINGS AND FUNDING

P	Estimated Total Energy Savings	(line I) + (line O)	kWh/yr
Q	Estimated Seattle City Light Funding (1)	(line P) x \$0.233/kWh	\$
R	Project Cost	Cost related to this measure	\$

Seattle City Light Use Only

Approved Funding Amount:	Approved By:	Date:
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Note: (1) This form is not a guarantee of funding from Seattle City Light. The estimated funding will be reviewed by Seattle City Light in relation to system performance, project costs, suitability of the equipment, control strategy, etc. Funding can only be guaranteed through written legal documents signed by Seattle City light.