

Seattle City Light / Energy Smart Design FUNDING CALCULATION FORM for AIR CONDITIONERS

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

Facility Name _____ Form Completed by _____ Date _____

Manufacturer _____ Model Number _____ Floor Area Served (SqFt) _____

I. BASELINE PERFORMANCE TABLE - From the 1994 Seattle Energy Code, Table 14-2.

Equipment	Rated Cooling Capacity (Btu/h)	Seasonal or Part Load (Btu/Watt-h)	Go To Section
Air-Cooled - Split Systems	less than or equal to 65,000	10.0 SEER	II
Air Cooled - Single-Package/Unitary	less than or equal to 65,000	9.7 SEER	II
	greater than 65,000 and less than or equal 135,000	8.3 IPLV	III
	greater than 135,000 and less than or equal 760,000	7.5 IPLV	III
	greater than 760,000	7.5 IPLV	III
Water Cooled - Unitary	less than or equal 65,000	8.3 IPLV	III
	greater than 65,000 and less than or equal 135,000	10.5 EER	II
	greater than 135,000	9.0 IPLV	III
Evaporatively Cooled	less than or equal 65,000	8.5 IPLV	III
	greater than 65,000 and less than or equal 135,000	9.7 IPLV	III
	greater than 135,000	9.0 IPLV	III

II. For SEER or EER-rated Equipment Only

!

A	Baseline Performance (SEER or EER)	from table above	Btu/Watt-h
B	Proposed Performance (SEER or EER)	From manufacturer's literature (1)	Btu/Watt-h
C	Performance Improvement	(1 / line A) - (1 / line B)	0.0000 Watt-h/Btu

(Go to Section IV)

III. For IPLV-rated Equipment Only

!

A	Baseline Performance (IPLV)	from table above	Btu/Watt-h
B	Proposed Performance (IPLV)	From manufacturer's literature (1)	Btu/Watt-h
C	Performance Improvement	(1 / line A) - (1 / line B)	0.0000 Watt-h/Btu

IV. ANNUAL ENERGY SAVINGS AND FUNDING

!

D	Equivalent Full Load Hours	Use 900 if there is 100% outside air capability; otherwise use 1,500	hrs/yr
E	Cooling Capacity in Btu/h per Unit	Rated at ARI Standard Rating Conditions	Btu/h
F	Estimated Energy Savings per Unit	$[(\text{line C}) \times (\text{line D}) \times (\text{line E})] / 1000$	kWh/yr
G	Number of Units		
H	Total Energy Savings	$(\text{line F}) \times (\text{line G})$	kWh/yr
I	Estimated Seattle City Light Funding (2)	$(\text{line H}) \times \$0.233/\text{kWh}$	\$
J	Project Cost	Cost related to this measure	\$
K	Total Cooling Capacity in Tons	$[(\text{line E}) \times (\text{line G})] / 12,000$	tons

Seattle City Light Use Only

Approved Funding Amount:	\$	Approved By:	Date:
--------------------------	----	--------------	-------

Note: (1) Performance rating to include compressor, condenser, and air distribution fans.
 (2) 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.