

Table 2-5. Energy Goals and Strategies (Continued)

Prioritize Goals	General Strategies	Detailed Strategies	Recommendations (see Chapter 3)	How-To Tips (see Chapter 5)
Goal 2. Size HVAC systems for reduced loads				
Properly size equipment	Calculate load		HVAC	HV3
	Size equipment		HVAC	HV1, 2, 4
Goal 3. Use more efficient systems				
Use more efficient HVAC systems	Select efficient cooling equipment	Meet or exceed listed equipment efficiencies in "Recommendations" chapter	HVAC	HV1, 2, 4, 6, 17
	Select efficient heating equipment	Meet or exceed listed part-load performances in "Recommendations" chapter	HVAC	HV1, 2, 4, 6, 21
	Select efficient energy recovery equipment	Meet or exceed listed equipment efficiencies in "Recommendations" chapter	HVAC	HV1, 2, 6, 16, 20
Improve outdoor air ventilation	Control outdoor air dampers	Meet or exceed listed equipment efficiencies in "Recommendations" chapter		HV5, 17
	Design efficient duct distribution system	Use air economizer		HV7, 14
	Reduce duct leakage	Use demand-controlled ventilation	Ventilation	HV7, 14, 22
	Select efficient motors	Shut off outdoor air and exhaust air dampers during unoccupied periods	Ventilation	HV7, 8, 14
Improve fan power	Design efficient duct distribution system	Minimize duct and fitting losses	Ducts	HV9, 18, 19
	Reduce duct leakage	Seal all duct joints and seams	Ducts	HV11
	Select efficient motors	Use high-efficiency motors		HV12

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Prioritize Goals	General Strategies	Detailed Strategies	Recommendations (see Chapter 3)	How-To Tips (see Chapter 5)
Improve HVAC controls	Use control strategies that reduce energy use	Divide building into thermal zones	HVAC	HV13, 21
Ensure proper air distribution	Test, adjust, and balance the air distribution system	Use time-of-day scheduling, temperature setback and setup, pre-occupancy purge	HVAC	HV14
Use more efficient SWH systems	Select efficient SWH equipment	Use industry-accepted procedures	HVAC	HV15
	Minimize distribution losses	Meet or exceed listed equipment efficiencies in "Recommendations" chapter	SWH	WH1-4
		Use point-of-use units	SWH	WH1-2
		Minimize pipe distribution	SWH	WH5
		Insulate piping	SWH	WH6
Use more efficient lighting	More efficient interior lighting	Do not use incandescent lighting unless it will be used infrequently. Avoid incandescent sources except for specific task requirements.		EL11
	More efficient exterior lighting	Use more efficient electric lighting system	More efficient lamps, ballasts, ceiling fixtures, and case lighting	EL1-4, 7-12, 19-25
		Use more efficient electric lighting systems	More efficient exterior lighting sources	EL27, EX2
Goal 4. Refine systems integration				
Integrate building systems	Integrate systems—high-efficiency adv. case			EN23, DL8, 10, QA1
	Integrate systems—daylight adv. case	Advanced daylighting option		EN23, DL8, 10, QA1