

City of Clovis Water Saver Home Checklist



Homes that utilize water saving measures should be identified to the customer so that they can realize the advantages of buying a home which will save them water and money. Builders may qualify homes to carry the City of Clovis Water Saver Home seal by providing documentation along with this checklist to the Public Utilities Department.

Check off	Measure	Measure Description	Points Available	Points Received
<input type="checkbox"/>	1	100% of plants are on the City approved plant list and are low to very low water users..	4	
<input type="checkbox"/>	2	All turf will have a water requirement less than or equal to Bermuda.	5	
<input type="checkbox"/>	3	Turf shall not be installed on slopes exceeding 10% or in areas less than 8 feet wide.	2	
<input type="checkbox"/>	4	Turf is < 34% of landscaped area including hardscape.	2	
<input type="checkbox"/>		Turf is < 26% of landscaped area including hardscape.	2	
<input type="checkbox"/>	5	Shade trees planted	3	
<input type="checkbox"/>	6	Plants grouped by water needs (hydrozoning)	2	
<input type="checkbox"/>	7	Irrigation system uses only low-flow drip, bubblers, or low-flow sprinklers	2	
<input type="checkbox"/>		System has weather based controllers	3	
<input type="checkbox"/>	8	Soil has incorporated two inches of compost in the top 6 to 12 inches of soil	3	
<input type="checkbox"/>	9	All planting beds are mulched to 2 inches or more.	2	
<input type="checkbox"/>	10	Hot water pipes are insulated from water heater to kitchen.	1	
<input type="checkbox"/>		All hot water pipes are insulated.	1	
<input type="checkbox"/>		Engineered parallel piping is used.	1	
<input type="checkbox"/>		Engineered parallel piping with demand controlled circulation loop is used.	1	

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Check off	Measure	Measure Description	Points Available	Points Received
<input type="checkbox"/>		Structured plumbing with demand controlled circulation loop is used.	2	
<input type="checkbox"/>		Central core plumbing is used.	1	
<input type="checkbox"/>	11	All toilets installed are high efficiency (dual flush or < 1.3 gpf)	4	
<input type="checkbox"/>	12	Plumbing fixtures with below standard flow rates (bath faucets < 1.5gpm, showers < 2.5 gpm.	1	
<input type="checkbox"/>	13	Dishwasher installed uses no more than 6.5 gallons per cycle.	1	
<input type="checkbox"/>	14	Washing machine provided with project that has a water factor of 6.0 or less.	2	
<input type="checkbox"/>		Washing machine provided with project that has a water factor of 4.5 or less.	2	
<input type="checkbox"/>	15	Graywater pre-plumbed for washing machine minimum.	1	
<input type="checkbox"/>		Graywater system operational for washing machine minimum.	2	
<input type="checkbox"/>		Total Available Points	50	
		Minimum points to qualify as a City of Clovis Water Saver Home	15	

Builder Name: _____

Tract No.: _____

Builder Address: _____

Phone: _____

Contact Name: _____

E-mail: _____

Complete this checklist and attach plans, cut sheets or other appropriate documentation of each measure that you are taking credit for. Submit information either via e-mail to lisak@ci.clovis.ca.us or mail to:

**Water Saver Homes
City of Clovis Public Utilities
155 N. Sunnyside Avenue
Clovis, CA 93611**

City staff will review the supplied documentation and will contact you for an inspection of the homes. Questions regarding the program may be directed to the City at (559) 324-2607 or (559) 324-2609.

Point Criteria

1. Plant List (up to 4 points)

a. If all of the plants are on the City approved list and 75% are low or very low water using plants (3 points).

b. If all of the plants are on the City approved list and 100% are low or very low water using plants (4 points).

2. Turf Water Requirement (up to 5 points)

a. If all turf has a water requirement less than or equal to Bermuda (0.6 ET) (5 points).

If no turf in landscaping (5 points).

3. Turf Installation (up to 2 points)

a. Turf not installed on slopes exceeding 10%. (1 point).

b. Turf not installed in areas less than 8 feet wide. (1 point).

4. Turf limitations (up to 4 points)

a. Turf is less than 34% of landscaped area including hardscape. (2 points).

b. Turf is less than 26% of landscaped area including hardscape. (2 points).

5. Shade Trees Planted (up to 3 points)

Trees installed that will shade significant parts of the landscape within 5 years.

6. Group Plants by Water Needs (2 points)

Divide the landscape into zones of low, medium and high water use to prevent over watering. Measure 1.a. is a prerequisite for earning this measure. Install separate irrigation valves for different zones.

7. High Efficiency Irrigation Systems (up to 5 points)

a. System uses only drip, bubblers or low-flow sprinklers. The landscape design avoids narrow and odd-shaped turf areas. Shrub areas are irrigated with drip, bubblers, or low-flow sprinklers (micro spray). Maximum flow rate is 1 gpm for non-turf areas. Turf areas are irrigated with efficient spray heads with a maximum flow rate of 1 inch per hour, such as multi-stream rotators. No impact sprinklers or standard spray heads that create misting are used. (2 points).

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b. System has smart controllers which automatically adjusts the frequency and or duration of irrigation times in response to changing weather or soil moisture conditions. The controller is operating and properly programmed according to the manufacturer's instructions. (3 points).

8. Incorporated 2 Inches of Compost into the Top 6 to 12 Inches of Soil (3 points)

Assess the soil quality on site based on texture, nutrient and organic matter content and pH. Incorporate 2 to 4 inches of compost into the top 6 to 12 inches of soil, or as much as is required to bring the soil organic matter content to 3.5% for turf and 5% for planting beds.

9. Mulch Planting Beds (2 points).

Apply and maintain a minimum of 2 inches of natural mulch to all planting beds. Select organic mulch that will improve soil structure and provide nutrients as it decomposes. (2 points).

10. Distribute Hot Water Efficiently (up to 4 points)

a. Insulate hot water pipes from the water heater to the kitchen. (1 point)

b. Insulate all hot water pipes. (1 point)

c. Use engineered parallel piping. Small diameter flexible pipes are run from a manifold with branched outlets located near the water heater directly to the fixtures, thereby reducing the volume of water in the individual pipe. Use 3/8" piping for sinks and 1/2 " piping for other fixtures. (1 point)

d. Use engineered parallel piping with demand controlled circulation loop(s). Install a circulation loop between the water heater and the manifold that is run by an on-demand pump. (1 point)

e. Use structured plumbing with demand controlled circulation loop. In a traditionally branched piping system delivery times can be shortened by installing an on-demand hot water circulation system. A pump with on-demand controls circulate water from the existing hot water line through the cold water line or via a dedicated return loop to the water heater. The pipes carrying the circulated hot water must be insulated. (2 point)

f. Use central core plumbing which means locating the water heater to within 15 feet of all hot water fixtures, including bathrooms, kitchen and laundry. (2 points)

11. Install All High Efficiency Toilets (4 points)

Toilets which use less than 1.3 gallon per flush are called high efficiency toilets. They are available in dual-flush, pressure-assist and conventional gravity-flush models. All toilets must comply to earn these points.

12. Plumbing Fixtures with Below Standard Flow Rates. (1 point)

Install kitchen faucets which use less than 2.2 gallons/minute, and 2.5 gallons/minute for showerheads.

13. Water Efficient Dishwasher. (1 point)

Install dishwashers that use 6.5 gallons of water or less per cycle.

14. High Efficiency Washing Machines. (up to 4 points)

a. Provide washing machines with the home that have a water factor of 6.0 or less. (2 points)

b. Provide washing machines with the home that have a water factor of 4.5 or less. (2 points)

15. Graywater Systems. (up to 3 points)

a. Pre-plumbing provided to allow for the utilization of graywater for landscape irrigation use. Install all of the indoor plumbing assemblies and stubbing out to the exterior. At a minimum it needs to collect the used water from the washing machine. (1 point)

b. The system described above that is operational. (2 points)