



**MARIN MUNICIPAL
WATER DISTRICT**

Landscape Plan Review Requirements

Christina Mountanos – Water
Conservation Specialist II

Craig Lauridsen – Water Conservation
Specialist II

MMWD's Ordinance vs. State

MMWD	State
Applies to all new & rehabilitated landscapes (that req. bldg permit, plan check or design review)	Applies to comm projects ≥ 500 sqft, residential projects $\geq 2,500$ sqft (requiring bldg permit, plan check, design review)
Prescriptive Option avail. to new construction ≤ 500 sqft or rehab projects $\leq 1,000$ sqft	Appendix D – Prescriptive Option – available to all projects $\leq 2,500$ sqft
Trees required on separate valve, except in turf areas	Trees on separate valve recommended
Incorporate amendments into soil: min depth of 8", min rate of 6 cubic yards per 1,000 sqft	Incorporate amendments into soil: min depth of 6", min rate of 4 cubic yards per 1,000 sqft

MMWD's Ordinance vs. State

MMWD	State
Dedicated irrigation meter or submeter required for com ≥ 1000 sqft, res $\geq 2,500$ sqft	Dedicated irrigation meter or submeter required for com $> 1,000$ sqft, res $\geq 5,000$ sqft
Point source irrigation is required in mulched planting areas or where plant height at maturity will affect the uniformity of an overhead system	Areas less than 10' must be irrigated with subsurface
Custom Excel worksheet	Appendix B – MAWA/ETWU calculations worksheet

MMWD Water use Calculator

Maximum Applied Water Allowance

Enter Zip Code Residential?

Enter Project Information

Project Name:

Address:

Meter Number:

Location/Sheet No.

Date:

Maximum Applied Water Allowance (MAWA)

Landscaped Area: sqft

Special Landscaped Area: sqft

MAWA = CCF

Estimated Total Water Use (ETWU)

Low water use plant sqft

Moderate water use plant sqft

High water use plant sqft

Efficiency Factor

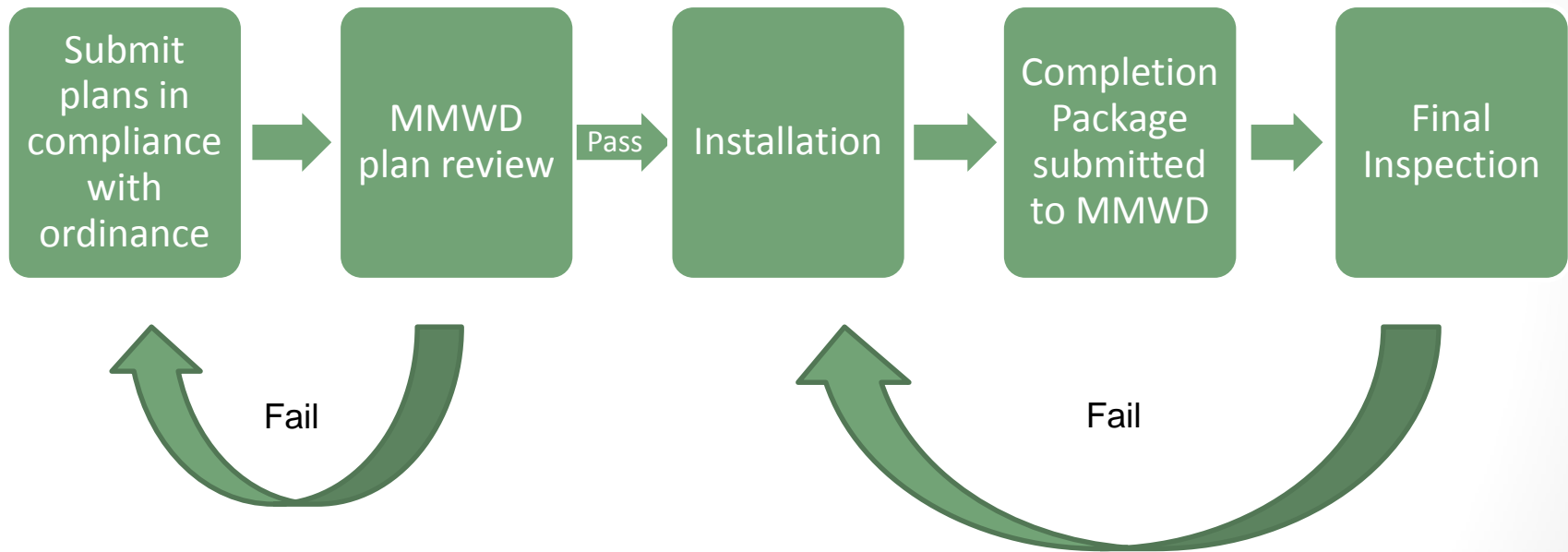
% of Total Landscape Irrigated with Drip	Irrigation Efficiency Factor
0-33%	select 0.75
34-66%	select 0.80
67-100%	select 0.85

ETWU = CCF

Water Use Table

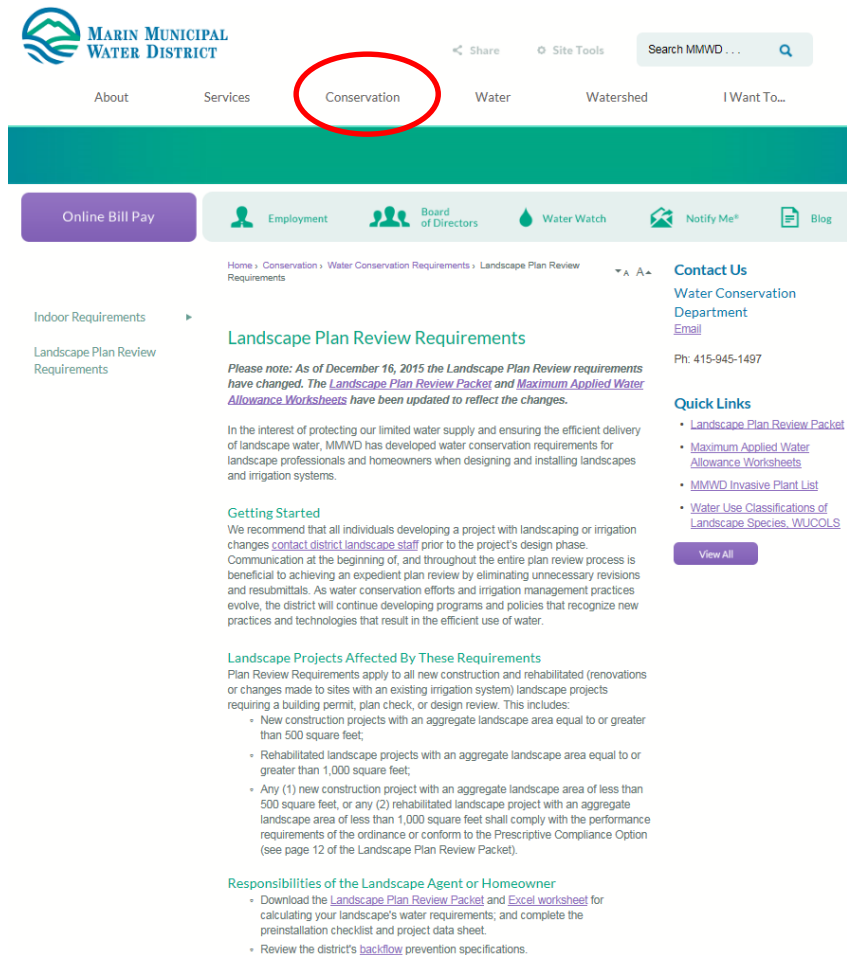
ETWU	Gallons:	0	CCF's:	0	AF:	0.00
Baseline Period	Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec
Baseline CCF's	0	0	0	0	0	0
1 CCF = 748 Gallons; 1 AF = 435.6 CCF's						
For more information please contact 415-945-1497 or see our website at www.marinwater.org						

Documentation for Compliance



Resources

- www.marinwater.org



The screenshot shows the Marin Municipal Water District website. The navigation menu includes 'About', 'Services', 'Conservation' (highlighted with a red circle), 'Water', 'Watershed', and 'I Want To...'. Below the navigation is a teal bar with icons for 'Online Bill Pay', 'Employment', 'Board of Directors', 'Water Watch', 'Notify Me*', and 'Blog'. The main content area is titled 'Landscape Plan Review Requirements' and includes a breadcrumb trail: 'Home > Conservation > Water Conservation Requirements > Landscape Plan Review Requirements'. The page contains a 'Please note' section, a 'Getting Started' section, a 'Landscape Projects Affected By These Requirements' section, and a 'Responsibilities of the Landscape Agent or Homeowner' section. A 'Contact Us' sidebar is on the right, and a 'View All' button is at the bottom right of the main content area.

Home > Conservation > Water Conservation Requirements > Landscape Plan Review Requirements

Landscape Plan Review Requirements

Please note: As of December 16, 2015 the Landscape Plan Review requirements have changed. The [Landscape Plan Review Packet](#) and [Maximum Applied Water Allowance Worksheets](#) have been updated to reflect the changes.

In the interest of protecting our limited water supply and ensuring the efficient delivery of landscape water, MMWD has developed water conservation requirements for landscape professionals and homeowners when designing and installing landscapes and irrigation systems.

Getting Started

We recommend that all individuals developing a project with landscaping or irrigation changes [contact district landscape staff](#) prior to the project's design phase. Communication at the beginning of, and throughout the entire plan review process is beneficial to achieving an expedient plan review by eliminating unnecessary revisions and resubmittals. As water conservation efforts and irrigation management practices evolve, the district will continue developing programs and policies that recognize new practices and technologies that result in the efficient use of water.

Landscape Projects Affected By These Requirements

Plan Review Requirements apply to all new construction and rehabilitated (renovations or changes made to sites with an existing irrigation system) landscape projects requiring a building permit, plan check, or design review. This includes:

- New construction projects with an aggregate landscape area equal to or greater than 500 square feet;
- Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,000 square feet;
- Any (1) new construction project with an aggregate landscape area of less than 500 square feet, or any (2) rehabilitated landscape project with an aggregate landscape area of less than 1,000 square feet shall comply with the performance requirements of the ordinance or conform to the Prescriptive Compliance Option (see page 12 of the Landscape Plan Review Packet).

Responsibilities of the Landscape Agent or Homeowner

- Download the [Landscape Plan Review Packet](#) and [Excel worksheet](#) for calculating your landscape's water requirements, and complete the preinstallation checklist and project data sheet.
- Review the district's [backflow](#) prevention specifications.

Contact Us
Water Conservation Department
[Email](#)
Ph: 415-945-1497

Quick Links

- [Landscape Plan Review Packet](#)
- [Maximum Applied Water Allowance Worksheets](#)
- [MMWD Invasive Plant List](#)
- [Water Use Classifications of Landscape Species_WUCOLS](#)

[View All](#)