



Project Information		
Applicant Name:		Phone:
Mailing Address:		Email:
Landscape Professional (if applicable):	Company:	
Mailing Address:	Phone:	Email:
Landscape Project Site Address:		
Landscape Project Type ¹ :		
Have you previously submitted a Tier 1 or 2 application for this project? <input type="checkbox"/> Yes <input type="checkbox"/> No		SFPUC Account #:

Landscape Areas	Square Feet	Notes
Total Landscape Area (LA) ²		If the total modified landscape area exceeds 2,500 square feet, if more than 25 percent of the total modified landscape area is turf, or if less than 75 percent of the plants are climate appropriate and low water use, then the project must comply with Tier 2 requirements. For more information about Tier 2 requirements, please visit www.sfwater.org/landscape or call (415) 551-4730.
Turf Area ³		
Special Landscape Area (SLA) ⁴		Description: e.g. Edible garden
Water Feature Surface Area ⁵		Description: e.g. Artificial pond
MAWA Calculation⁶	_____ gallons per year	Maximum Applied Water Allowance $MAWA = 35.1 \times 0.62 \times [(ETAF \times LA) + ((1-ETAF) \times SLA)]$

Landscape Parameter	Requirements	Project Compliance
Turf	Turf area in the new or modified site shall <u>not</u> exceed 25% of the landscape area. Landscape projects exceeding the 25% turf limit shall be considered a Tier 2 project and must meet all Tier 2 requirements listed at www.sfwater.org/landscape .	<input type="checkbox"/> Yes <input type="checkbox"/> No
	Turf areas shall not be greater than ten (10) feet wide.	<input type="checkbox"/> Yes <input type="checkbox"/> No
	Turf shall not be planted on slopes greater than 25%.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Non-Turf	At least 75% of the landscape area shall consist of low water use or climate appropriate plants. ⁷	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hydrozones	Plants with similar water needs shall be grouped within hydrozones. A hydrozone is the area controlled by a single irrigation valve.	<input type="checkbox"/> Yes <input type="checkbox"/> No
	Sprinkler heads and other water emitting devices shall be selected based on the water needs for the plant type within a hydrozone.	<input type="checkbox"/> Yes <input type="checkbox"/> No
	Where feasible, trees shall be placed on separate irrigation valves from shrubs, groundcovers, and turf.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Irrigation System	All irrigation controllers shall be automatic and utilize either evapotranspiration or soil moisture sensor data.	<input type="checkbox"/> Yes <input type="checkbox"/> No

	All irrigation controllers shall be equipped with rain sensors which stop or alter irrigation operation during wet weather.	<input type="checkbox"/> Yes <input type="checkbox"/> No
	The irrigation system shall be designed to prevent drainage from low elevation sprinkler heads, runoff, and overspray.	<input type="checkbox"/> Yes <input type="checkbox"/> No
	Only turf areas shall be irrigated with overhead spray irrigation.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Irrigation Schedule	Overhead spray irrigation shall be scheduled between 8:00 p.m. and 10:00 a.m.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Mulch and Compost	A minimum three inch (3") layer of mulch and six inch (6") layer of compost shall be applied on all exposed soil surfaces of planting areas.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Plant List	A complete Tier 1 Plant List or a copy of your landscape planting plan shall be submitted with this checklist.	<input type="checkbox"/> Yes <input type="checkbox"/> No

Your Signature

By typing or signing my name below I certify that the information provided in this application is, to the best of my knowledge, accurate and complete. I understand that any changes to the planned project will require an additional application. Additionally, I understand that in order to proceed with my Tier I project I must receive approval from the SFPUC. I agree to stay within the Maximum Applied Water Allowance calculated above when irrigating this landscape.

Signature of property owner or authorized representative

Date

Please note that after your project is approved and installed, a **Certificate of Completion** must be submitted to the SFPUC to verify final compliance with the Water Efficient Irrigation Ordinance. The Tier 1 Certificate of Completion form can be found online at www.sfwater.org/landscape.

Select Definitions

- ¹ **Landscape Project Type** is divided into residential and non-residential projects. Residential landscape means landscapes surrounding single or multi-family homes. Non-residential landscape means landscapes in commercial, institutional, industrial, mixed use, and public settings that may have areas designated for recreation or public assembly.
- ² **Landscape Area (LA)** includes all the planting areas, turf areas, and water features in a landscape design plan subject to the Maximum Applied Water Allowance calculation. The landscape area does not include footprints of buildings or structures, sidewalks, other pervious or non-pervious hardscapes, and other non-irrigated areas designated for non-development.
- ³ **Turf** is defined as a ground cover surface of mowed grass such as Annual bluegrass, Kentucky bluegrass, Perennial ryegrass, Red fescue, Tall fescue, Bermudagrass, Kikuyugrass, Seashore Paspalum, St. Augustinegrass, Zoysiagrass, and Buffalo grass.
- ⁴ **Special Landscape Area (SLA)** is an area of the landscape dedicated solely to edible plants, recreational areas (such as parks, sports fields, golf courses, and where turf provides a playing surface), areas irrigated with only graywater or harvested rainwater, or areas irrigated with or using recycled water.
- ⁵ **Water features** is a design element where open water performs an aesthetic or recreational function. Water features may include artificial ponds, waterfalls, and fountains. The surface area of water features is included in the high water use hydrozone of the landscape area.
- ⁶ **Maximum Applied Water Allowance (MAWA)** establishes the maximum amount of water applied through the irrigation system on an annual basis. If you have a dedicated irrigation meter, you can check your water bill to make sure that you are not exceeding the MAWA for your site. This water budget is calculated using the following equation:

$$\text{MAWA} = 35.1 \times 0.62 \times [(\text{ETAF} \times \text{Landscape Area in Square Feet}) + ((1 - \text{ETAF}) \times \text{Special Landscape Area in Square Feet})]$$

35.1 = Reference Evapotranspiration for San Francisco (inches per year)
0.62 = Conversion Factor (to gallons)
ETAF = Evapotranspiration Adjustment Factor (ETAF) where ETAF is 0.55 for residential areas and 0.45 for non-residential areas
- ⁷ **Low water use plants** or **climate appropriate plants** are plants, shrubs, groundcovers, and tree species that, after a 3-year establishment period, will survive in the planting location and are irrigated as a low water use hydrozone. For a list of plants and their water use ranking, go to www.sfwater.org/landscape.

San Francisco Water Efficient Irrigation Ordinance

Tier 1 Project Plant List

#	Hydrozone Water Use Ranking ^a	Plants in the Hydrozone ^b	Hydrozone Area (square feet)
e.g.	Low Water Use Plants (LW)	<i>Heteromeles arbutifolia, Lupinus chamissonis, Festuca rubra, Artemisia californica</i>	750
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
TOTAL^c			

If you need more space, please attach an additional page.

^a **Hydrozone Water Use Ranking:**

Hydrozone is defined as a portion of the landscape area having plants with similar water needs. Hydrozones shall be labeled as below:

- HW = High Water Use Plants (Plant Factors of 0.7-1.0)
- MW = Moderate Water Use Plants (Plant Factors of 0.4-0.6)
- LW = Low Water Use Plants (Plant Factors of 0.1-0.3)
- VLW = Very Low Water Use Plants (Plant Factors of 0.0-0.1)

^b **Plants in the Hydrozone:** Each plant in a hydrozone area must have a plant factor within the range of the water use ranking of the hydrozone. Water use rankings can be found in the San Francisco Plant Water Use List, available online at www.sfwater.org/landscape. If your desired plant species is not found on the list, the SFPUC will accept water use rankings established by the Sunset Western Garden Book published by Oxmoor House, 9th or subsequent editions. If the water use ranking of a plant species is in question, please indicate the plant species name and attach an explanation of the special circumstances.

^c The Total Hydrozone Area should equal the Total Landscape Area from Page 1.

**Submit your Tier 1 Application to
landscape@sfgwater.org**