

## D. WATER EFFICIENCY

### 1.0 Water Efficient Landscaping, 50% Reduction

**Water Efficiency Credit 1.1:** 1 (one) point

**Objective:** To limit or eliminate the use of potable water for landscape irrigation.

**Narrative:** The headquarters uses recycled water from IEUA’s Regional Plant No. 5 and this is in compliance with Title 22 standards. Please see Attachment ‘G’ for information on IEUA’s Regional Plant No. 5. The irrigation system does not use any potable water – it uses 100% recycled water.

**Projects and Activities:** The high efficient irrigation system installed on the project site consists of a combination of low water demand device such as drips and bubblers.

The table below provides information on products considered and a list of companies that supply these products. **Please note:** this list should not be considered as a recommendation. Individuals/organizations using this information are responsible for researching the products and companies prior to engaging in any business agreement.

Product Used	Company	Address	Phone	Fax	Web Site
Multi-Outlet Xeri-Bug Xeri-Bird 8 Multi-Outlet Emission Device Pressure Compensating Modules	Rain Bird	970 W. Sierra Madre Ave. Azusa, CA 91702	626-963-9311	626-812-3411	www.rainbird.com



*Emission device*



*Low Flow Control Zone Kits with Static WYE Filter*

## 2.0 Water Efficient Landscaping, Potable Free System

**Water Efficiency Credit 1.2:** 1 (one) point

**Objective:** To limit or eliminate the use of potable water for landscape irrigation.

**Narrative:** The existing irrigation system does not use any potable water; it uses 100% recycled water. The recycled water being used at the headquarters site comes from the regional recycled water system and is in compliance with Title 22 standards.

**Projects and Activities:** High efficiency irrigation technology has been installed and the irrigation system is connected to IEUA's Regional Plant No. 5 recycled water distribution system. Thus, the potable water consumption for irrigation is reduced by 100%.



*High Efficiency Irrigation System (Hybrid Controller with Extra Simple Programming)*

### 3.0 Innovative Wastewater Technologies

#### Water Efficiency Credit 2.0: 1 (one) point

**Objective:** To reduce generation of wastewater and potable water demand, while increasing the local aquifer recharge.

**Narrative:** The project is connected to the recycled water service provided by IEUA's Regional Plant No. 5 – located adjacent to the headquarters, as well as IEUA's other treatment facilities. To achieve this credit, the project has been dual plumbed with both domestic water and recycled water piping. All water closets and urinals in the project have been connected to the reclaimed water service, which accounts for a 100% reduction of total potable water used for sewage conveyance.

**Projects and Activities:** The use of municipally provided potable water for building sewage conveyance was reduced by a minimum of 50%, or 100% of wastewater on site was treated to tertiary standards. Additionally, through the use of dual-flush water closets and ultra low-flow urinals, the project has decreased the overall water demand for sewage conveyance by 24% over a traditionally specified base case design.



*Regional Plant No. 5*

#### 4.0 Water Use Reduction, 20%, 30% Reduction

##### Water Efficiency Credits 3.1-3.2: 2 (two) points

**Objective:** To maximize water efficiency within buildings to reduce the burden on municipal water supply and wastewater systems.

**Narrative:** The project achieves a 73% potable water reduction through the use of dual-flush water closets, ultra low-flow urinals, ultra low-flow lavatory aerators and recycled water for flushing.

**Projects and Activities:** Strategies employed in aggregate, use 20% less water than the water use baseline calculated for the building (not including irrigation) after meeting Energy Policy Act of 1992 fixture performance requirements.



*Ultra Low Flow Urinal*



*Dual Flush Toilet*