



# Redmond Municipal Water Shortage Response Plan – draft

## 8/7/2015

### Advisory Stage

- Eliminate pressure washing at all City facilities, excluding graffiti removal, safety issues, and project preparation
- Reduce irrigation program run-times by 25% (all irrigation systems)
  - \* Shrubs – irrigate to maintain viability of plant material (deep infrequent watering 1-2 times per week)
  - \* Turf – irrigate to keep turf green without going dormant – there will be brown patches
- Only irrigate during the evening and early morning hours (7pm-10am)
- Reduce/eliminate fleet vehicle washing (unless re-circulated water system is used), excluding fire apparatus vehicles
- Adjust irrigation systems for minimal overspray and repair broken heads, laterals and main-lines in a timely manner
- Educational signage at public recreation facilities (pool, ORSCC, Teen Center and Senior Center) with reminders to conserve water in public restrooms and locker rooms.
- Closely monitor sinks, showers and mechanical equipment for leaks and water-related malfunctions
- Reduce water use for decant wash down when possible
- Eliminate water system flushing except for construction and water quality issues
- Implement a leak investigation review on all City buildings
- Reduce wastewater jetting activities where possible based on historical information
- Modify standby pipe flow test procedures to reduce water use by 80 - 90%

### Voluntary Stage

- Reduce irrigation watering days to twice a week on all turf excluding ball fields
- Reduce Grass Lawn splash pad operating hours to 11am – 5pm (5 hour daily reduction)
- Shut off and drain all City water features
- Eliminate all non-mandatory fire training that involves use of hose streams
- Reduce residential street sweeping by 30% until the fall leaves begin to fall
- Use available storm water for jetting and vector equipment water, when possible
- Repair all water system leaks as soon as possible within working hours
- Reduce wastewater jetting activities by 50%
- Explore the use of reclaimed water for construction activities
- Reduce schedule for wet well cleaning
- All water main construction flushing should be calculated by:
  - \* $(3 \times \text{pipe volume}) / \text{gpm} = \text{minutes of flushing time}$
  - \*Use of a pedo gauge or meter is required

## **Mandatory Stage**

- Turn off turf irrigation zones excluding ball fields
- Shut off Grass Lawn Park splash pad
- Repair water system leaks as soon as possible, even when overtime will be incurred
- Eliminate all residential street sweeping
- All water quality stands will be shut off except for when being actively sampled
- Wastewater wet well cleaning performed only if needed
- Wastewater jetting activities will be eliminated except where required

## **Emergency Stage**

- Turn off all turf irrigation zones including ball fields
- Close Hartman Park pool
- Delay mandatory fire training that involves use of hose streams until end of water shortage (emergency stage)
- Delay construction of new water mains requiring flushing
- Delay water system replacement activities requiring heavy water usage
- Eliminate stormwater catch basin cleaning