

City of Plano

Drought Update – 8/22/11



A coordinated effort from the following Departments:
Public Works, Public Information , Sustainability and
Environmental Waste, Customer & Utility Services

Stages Summary

	Stage 1	Stage 2	Stage 3	Stage 4
Triggers	65% of Conservation Pool or 90% of pumping capacity for 3 consecutive days	55% of Conservation Pool or 95% of pumping capacity for 3 consecutive days	45% of Conservation Pool or 98% of pumping capacity for 3 consecutive days	35% of Conservation Pool or 100% of pumping capacity for 3 consecutive days
Reduction Goal	2%	5%	10%	Whatever Necessary
Days a Week Watering	7 Days	2 Days	1 Day	1 Day
Prohibited Time	None	10 am - 6 pm & 10 pm to 2-am	10 am - 6 pm & 10 pm to 2-am	10 am - 6 pm & 10 pm to 2-am (2 hrs)
Actions	Education	Education, courtesy notices, enforcement	Education, courtesy notices, enforcement	Education, courtesy notices, enforcement
Prohibited Actions	None	Planting of cool season grasses	Stage 2 and Irrigating lawn more than one time per week, hosing paved areas, draining & filling of swimming pools, operation of ornamental fountains, washing vehicles by hose	Stages 2, 3 and Irrigating of commercial or residential landscaping, permitting pools, washing of vehicles except for health and safety

Why Time Restrictions?

1. The City's water system is 2 water distribution systems (divided by Custer road) that are connected.
2. The system East of Custer risks water pressure issues if demand is consistently high.
3. Water pressure is normally a minimum of 35 psi and 20 psi for fire and drinking water.
4. Water storage tanks (11) filling takes 5 – 10 hours , which pressurizes the system.
5. Prohibited times allow uninterrupted refilling of the water tanks.
6. No watering Sunday allows complete recovery/filling of the system.

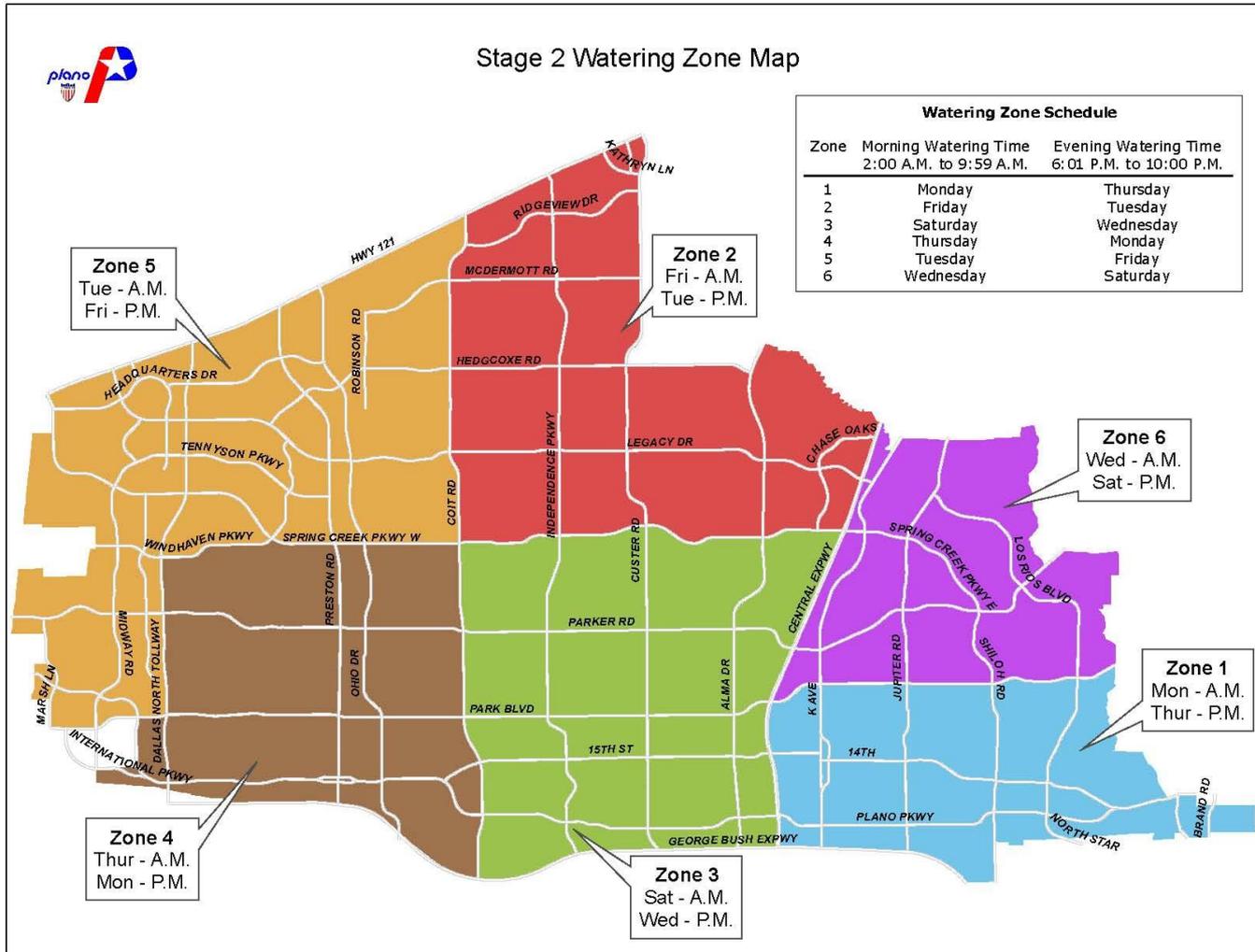
Stage 1 City Actions

1. Issued a press release.
2. Created a “Current Drought Conservation Stage” webpage and hotline.
3. Placed signs at strategic locations around City.
4. Added a “Find and Fix Leaks” to the city web site.
5. Focused the June Live Green in Plano newsletter on water conservation and drought information.
6. Sent utility bill insert.
7. Provided a FAQ to city customer service representatives.

Stage 2 City Actions - August 19th

1. Issued press release.
2. Updated website with specific Stage 2 information.
3. Updated City hotline to Stage 2 information.
4. Placed Stage 2 Watering Zone Maps at City facilities.
5. Created a script for drought-related calls.
6. Held training for affected City departments.
7. Held “Save Water in Plano” program at the EEC on August 20th, 2011.
8. Increased public education efforts.
9. Identified and extend outreach to top water users.
10. Placed notification on each residential environmental waste cart
11. Enforcement
 - Courtesy door hanger
 - Complaints-
 - Level 1 – Courtesy letter
 - Level 2 – Investigation by Public Works
 - Notification of Violation – Flag, Lock, Letter, \$150 Penalty

Stage 2 Watering Zone Map



Stage 3 City Actions

1. Issue press release.
2. Update website with specific Stage 3 information.
3. Update City hotline to Stage 3 information.
4. Place Stage 3 Watering Zone Maps at City facilities.
5. Create a script for drought-related calls.
6. Hold training for affected City departments.
7. Hold “Save Water in Plano” program at the EEC.
8. Increase public education efforts.
9. Identify and extend outreach to top water users.
10. Place notification on each residential environmental waste cart
11. Enforcement
 - Courtesy door hanger
 - Complaints-
 - Level 1 – Courtesy letter
 - Level 2 – Investigation by Public Works
 - Notification of Violation – Flag, Lock, Letter, \$150 Penalty

Stage 3 Watering Zone Map

