

City of Plano

Drought Update – 1/23/12



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

Even/Odd Watering - Every Other Week

STAGE 3 – November 1, 2011

Address	Day	Beginning Date	Prohibited Time
Even	Thursday	November 3	10am – 6pm
Odd	Tuesday	November 8	10am – 6pm

- *Watering with a soaker hose is permitted 2 hours per day.*
- *Hand watering is permitted 2 hours per day.*

Stage 3 Watering Calendar

STAGE 3

2011-2012 WATER RESTRICTION CALENDAR



For this program even/odd are based upon the last digit of the service address.

Even Addresses: Irrigate every other Thursday beginning November 3rd.

Odd Addresses: Irrigate every other Tuesday beginning November 8th.

- There's no watering between 10am - 6pm on watering days.
- Use of soaker hoses and hand held watering is allowed 2 hours everyday.

2011 November

S	M	Tu	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

2011 December

S	M	Tu	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

2012 January

S	M	Tu	W	Th	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

2012 February

S	M	Tu	W	Th	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			

2012 March

S	M	Tu	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Stage 3 Update

❖ Communications:

- Purchased magnetic water restrictions signs for city vehicles
- Website Update
- Met with PISD
- Included message on utility bills regarding Stage 3
- PTN video article using Howard Garrett, the “Dirt Doctor”
- Staff patrols of neighborhoods resulting in courtesy warnings and citations

❖ Total cost for materials spent thus far for Stage 3 are \$31,785.58

❖ Staff has spent a total of 313.50 hours patrolling streets looking for water violations. 114.50 of those hours were incorporated into the normal workload of our public works department, while 199 hours were overtime.

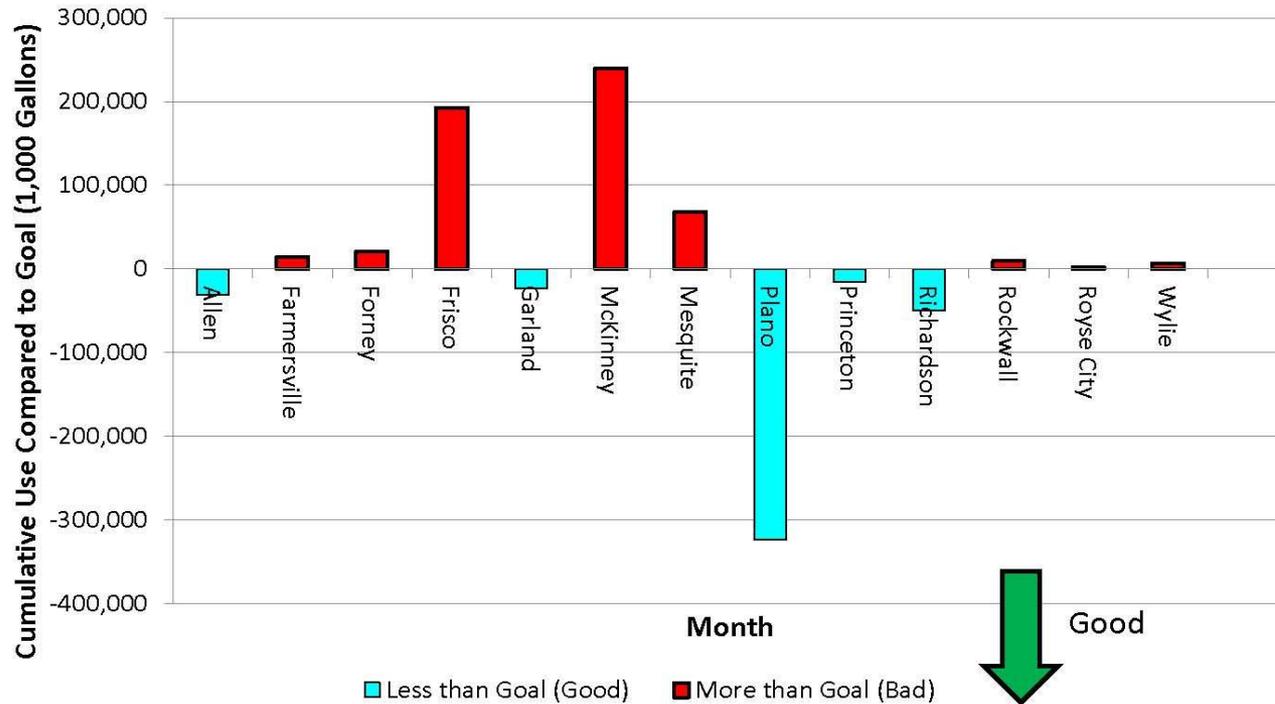
❖ To date, the City has hand delivered 1,900 courtesy notices to residents who were reported to violate the watering restrictions. 842 households have been repeat violators, of which 33 progressed to having sprinkler service locked and 10 households paid a fine to have their water restored.

Stage 3 Reduction Comparison

Member City Use and Goal October-December 2011



Comparison of Member City Water Use and Goal
October-December 2011

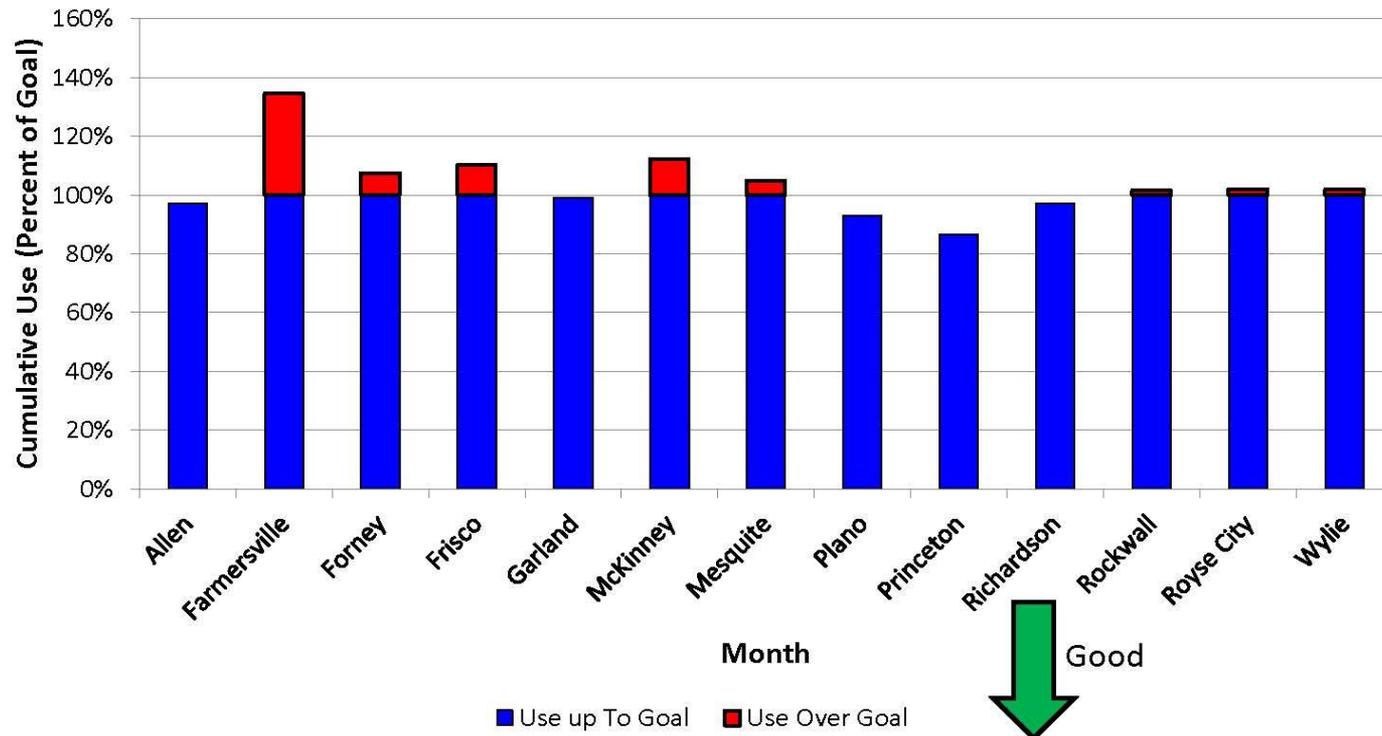


Stage 3 Reduction Comparison

Member City Use and Goal October-December 2011



Comparison of Member City Water Use and Goal
October-December 2011



*Courtesy of NTMWD

Stage Triggers

- ❖ **Stage 1** – NTMWD's storage capacity in Lavon or Chapman <65%
(Implemented 4/19/11)
- ❖ **Stage 2** – NTMWD's storage capacity in Lavon or Chapman <55%
(Implemented 8/19/11)
- ❖ **Stage 3** – NTMWD's storage capacity in Lavon or Chapman <45%
(Implemented 11/1/11)
- ❖ **Stage 4**- NTMWD's storage capacity in Lavon or Chapman <35%

Lake Levels

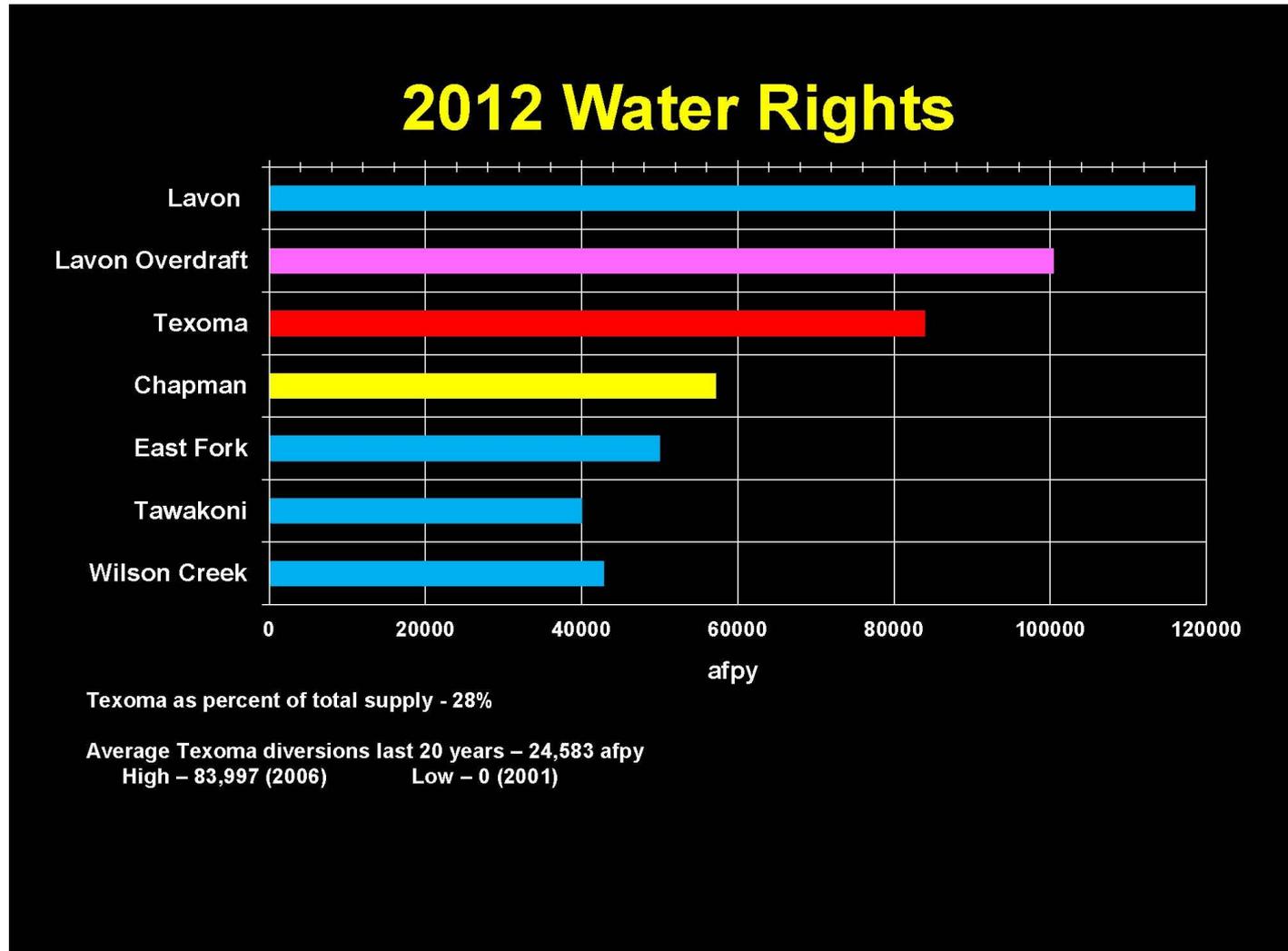
NTMWD Reservoir Elevations *January 15, 2012*

Reservoir	Conservation Pool Elevation	Current Elevation	Down	NTMWD's Storage Capacity %
Lavon	492.0'	480.40' (last full 5-3-2010)	11.60'	53
Chapman	440.0'	428.08' (last full 4-14-2010)	11.92'	9
Tawakoni	437.5'	431.35'	6.15'	74
Texoma	617.0'	616.44'	0.56'	100*

* Not available due to Zebra mussel infestation

*Courtesy of NTMWD

Water Resources



*Courtesy of NTMWS

Stage 4 Staff Recommendations

- ❖ Stage 4 will be considered in May 2012
- ❖ Continue with even/odd every other week watering until June 1
- ❖ Allow 2 watering hours a day with a soaker hose, drip irrigation, or hand held hose (except for 10 am to 6pm)
- ❖ Allow pools to maintain water levels, and allow draining and re-filling for repair of leaks
- ❖ Discourage planting of all new landscaping
- ❖ Discourage irrigation of turf
- ❖ Allow car washes to continue business (encourage re-cycle/re-use of water)
- ❖ Request sports fields to comply with watering restrictions (closely monitor through June for safety and cost of replacement of assets, such as sprinkler systems and turf)
- ❖ Advertise to citizens that a decision on outdoor watering will be made in May and will go into effect June 1 or later
- ❖ Request NTMWD fund water rebates for cities to encourage water conservation projects

Implementation

- ❖ If Stage 4 is implemented, it is critical that all cities, members and customers adopt the same watering programs and variance policies.
- ❖ It is also critical that the North Texas Municipal Water District utilize financial resources to lessen the financial impact on cities who will be expected to take far less than their contractual water minimum.