

APPENDIX E

City of Norwalk Resolution Adopting Urban Water Management Plan 2010

RESOLUTION NO. 11-35

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF
NORWALK ADOPTING THE 2010 URBAN WATER
MANAGEMENT PLAN**

WHEREAS, the California Legislature enacted Assembly Bill 797 (Water Code Section 10610 et seq., known as the Urban Water Management Planning Act) during the 1983-84 Regular Session, and as amended subsequently, which mandates that every supplier providing water for municipal purposes to more than 3,000 customers or supplying more than 3,000 acre feet of water annually, prepare an Urban Water Management Plan, the primary objective of which is to plan for the conservation on efficient use of water; and

WHEREAS, the Norwalk Municipal Water System is an urban supplier of water providing water to over 3,000 customers; and

WHEREAS, the Plan shall be periodically reviewed at least once every five years, and that the City shall make any amendments or changes to its plan which are indicated by the review; and

WHEREAS, the Plan must be adopted after public review and hearing, and filed with the California Department of Water Resources within thirty days of adoption; and

WHEREAS, the City has therefore prepared and circulated for public review a draft Urban Water Management Plan, and a properly noticed public hearing regarding said Plan was held by the City Council on June 7, 2011.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF NORWALK HEREBY DETERMINES, FINDS, AND RESOLVES AS FOLLOWS:

Section 1. The 2010 Urban Water Management Plan is hereby adopted and ordered filed with the City Clerk; and

Section 2. The Assistant City Manager is hereby authorized and directed to file the 2010 Urban Water Management Plan with the California Department of Water Resources.

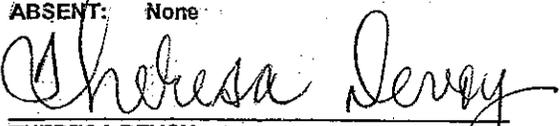
APPROVED AND ADOPTED on this 7th day of June 2011.


**MICHAEL MENDEZ
MAYOR**

ATTEST:

I, Theresa Devoy, City Clerk of the City of Norwalk, California DO HEREBY CERTIFY that the foregoing Resolution, being Resolution No. 11-35 has been duly signed by the Mayor and attested by the City Clerk, all at a regular meeting of the Norwalk City Council, held June 7, 2011, and that the same was approved and adopted by the following vote to wit:

AYES: Councilmembers Rodarte, Shryock, and Vernola, Vice Mayor Kelley, and Mayor Mendez
NOES: None
ABSENT: None


**THERESA DEVOY
CITY CLERK**

APPENDIX F

U.S. Census Data

State & County QuickFacts

Norwalk (city), California

People QuickFacts	Norwalk	California
Population, 2006 estimate	105,240	36,457,549
Population, percent change, April 1, 2000 to July 1, 2006	0.9%	7.6%
Population, 2000	103,298	33,871,648
Persons under 5 years old, percent, 2000	8.6%	7.3%
Persons under 18 years old, percent, 2000	32.1%	27.3%
Persons 65 years old and over, percent, 2000	9.0%	10.6%
Female persons, percent, 2000	50.5%	50.2%
White persons, percent, 2000 (a)	44.8%	59.5%
Black persons, percent, 2000 (a)	4.6%	6.7%
American Indian and Alaska Native persons, percent, 2000 (a)	1.2%	1.0%
Asian persons, percent, 2000 (a)	11.5%	10.9%
Native Hawaiian and Other Pacific Islander, percent, 2000 (a)	0.4%	0.3%
Persons reporting two or more races, percent, 2000	4.7%	4.7%
Persons of Hispanic or Latino origin, percent, 2000 (b)	62.9%	32.4%
Living in same house in 1995 and 2000, pct 5 yrs old & over	56.2%	50.2%
Foreign born persons, percent, 2000	36.4%	26.2%
Language other than English spoken at home, pct age 5+, 2000	61.6%	39.5%
High school graduates, percent of persons age 25+, 2000	63.0%	76.8%
Bachelor's degree or higher, pct of persons age 25+, 2000	10.6%	26.6%
Mean travel time to work (minutes), workers age 16+, 2000	27.5	27.7
Housing units, 2000	27,554	12,214,549
Homeownership rate, 2000	65.8%	56.9%
Median value of owner-occupied housing units, 2000	\$161,100	\$211,500
Households, 2000	26,887	11,502,870
Persons per household, 2000	3.79	2.87
Median household income, 1999	\$46,047	\$47,493
Per capita money income, 1999	\$14,022	\$22,711
Persons below poverty, percent, 1999	11.9%	14.2%
Business QuickFacts	Norwalk	California
Wholesale trade sales, 2002 (\$1000)	518,630	655,954,708
Retail sales, 2002 (\$1000)	781,568	359,120,365
Retail sales per capita, 2002	\$7,357	\$10,264
Accommodation and foodservices sales, 2002 (\$1000)	75,500	55,559,669
Total number of firms, 2002	5,360	2,908,758
Black-owned firms, percent, 2002	6.1%	3.9%
American Indian and Alaska Native owned firms, percent, 2002	F	1.3%
Asian-owned firms, percent, 2002	31.1%	12.8%
Hispanic-owned firms, percent, 2002	36.9%	14.7%
Native Hawaiian and Other Pacific Islander owned firms, percent, 2002	F	0.2%
Women-owned firms, percent, 2002	32.6%	29.9%
Geography QuickFacts	Norwalk	California
Land area, 2000 (square miles)	9	155,959
Persons per square mile, 2000	10,671.3	217.2
FIPS Code	52526	06
Counties		



- (a) Includes persons reporting only one race.
- (b) Hispanics may be of any race, so also are included in applicable race categories.

D: Suppressed to avoid disclosure of confidential information
F: Fewer than 100 firms
FN: Footnote on this item for this area in place of data
NA: Not available
S: Suppressed; does not meet publication standards
X: Not applicable
Z: Value greater than zero but less than half unit of measure shown

Source U.S. Census Bureau: State and County QuickFacts. Data derived from Population Estimates, 2000 Census of Population and Housing, 1990 Census of Population and Housing, Small Area Income and Poverty Estimates, County Business Patterns, 2002 Economic Census, Minority- and Women-Owned Business, Building Permits, Consolidated Federal Funds Report, Census of Governments
Last Revised: Wednesday, 08-Jul-2009 18:24:05 EDT



APPENDIX G

Historic Rainfall Data Downey Fire Station, CA Reporting Station

City of Norwalk
Water Year Rainfall Data, Inches
Downey Fire Station Location

Water Year*	Rainfall, Inches
1995-1996	10.68
1996-1997	13.95
1997-1998	32.72
1998-1999	7.29
1999-2000	9.21
2000-2001	15.60
2001-2002	2.80
2002-2003	16.93
2003-2004	9.37
2004-2005	24.86
2005-2006	11.36
2006-2007	3.11
2007-2008	17.11
Total	174.99
Average (1996-2008)	13.46

* Water Year is defined as October to September; thus Water Year 2008 is October 2007 - September 2008.
Source: Los Angeles County Department of Public Works

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DAILY PRECIPITATION SUMMARY
Gage Type: 107 D Downey - Fire Department
 Water Year from 10/1/1995 to 9/30/1996
 Station: 33-55-48 Elevation: 118-08-47 Elevation: 110 Feet Observation Time: 800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1		0.01										
2												
3					0.32							
4						0.55						
5												
6												
7												
8												
9												
10												
11												
12					0.62							
13					0.20							
14												
15												
16												
17							0.24					
18												
19												
20					2.40							
21				0.64	0.70							
22					0.57							
23			0.55									
24			0.02									
25					0.10							
26					0.31							
27					0.01	0.72						
28					0.89							
29												
30												
31				1.83								

Totals 0.00 0.01 0.57 2.47 5.30 2.09 0.24 0.00 0.00 0.00 0.00 0.00
 Water Year Total: 10.68

NOTE: All values are in terms of inches, unless otherwise specified.

LEGEND: * - Unprocessed record N - No data available
 E - Estimated Q - Questionable
 I - Incomplete data T - Trace, unmeasurable amount of rain
 M - Instrument malfunction) - Include in the following total

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DAILY PRECIPITATION SUMMARY

Gage Type:

107 D Downey - Fire Department

Water Year from 10/1/1996 to 9/30/1997

Inlet: 33-55-48 Inlet: 118-08-47 Elevation: 110 Feet Observation Time: 800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5				0.64								
6												
7												
8												
9			1.70									
10			0.20									
11			1.33									
12			0.17									
13				1.16								
14				0.10								
15												
16												
17												
18												
19												
20												
21		1.30		0.04								
22		0.96		1.20								
23												
24												
25										0.44		
26				1.25								
27			0.44	0.86								
28												
29												
30	1.36											
31			0.80									
Totals	1.36	2.26	4.64	5.25	0.00	0.44						

Water Year Total: 13.95

NOTE: All values are in terms of inches, unless otherwise specified.

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DAILY PRECIPITATION SUMMARY

Gage Type:

107 D Downey - Fire Department

Water Year from 10/1/1997 to 9/30/1998

Latitude: 33-55-48 Longitude: 118-08-47 Elevation: 110 Feet Observation Time: 800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1							1.16					
2					0.44							
3				0.18	1.75		0.10					
4							0.15					
5			0.13					0.70				
6			1.50		1.95							
7			0.01		0.12							
8			0.40		2.10							
9				1.30	0.22							
10	0.14		0.73									
11	0.23						1.01		0.07			
12							0.10	0.75	0.18			
13	0.44							0.48				
14				0.15	2.05	1.20						
15												
16									0.02			
17					1.56							
18			1.16									
19				0.21	0.75							
20	0.09											
21												
22					1.93							
23					1.94							
24												
25						2.45						
26		0.78										
27		0.18										
28						0.42						
29				0.62								
30	0.32											
31			0.55									
Totals	0.00	2.18	3.20	3.74	14.81	4.07	2.52	1.93	0.27	0.00	0.00	0.00

Water Year Total: 32.72

NOTE: All values are in terms of inches, unless otherwise specified.

LEGEND: * - Unprocessed record N - No data available
 E - Estimated Q - Questionable
 I - Incomplete data T - Trace, unmeasurable amount of rain
 M - Instrument malfunction } - Include in the following total

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DAILY PRECIPITATION SUMMARY
Gage Type:

107 D Downey - Fire Department

Water Year from 10/1/1998 to 9/30/1999

Latitude: 33-55-48 Longitude: 118-08-47 Elevation: 110 Feet Observer: Tmer: 800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1			0.65				0.11					
2									0.11			
3												
4					0.07							
5			0.15		0.09		0.53					
6			0.36									
7												
8		0.85										
9					0.40	0.12						
10						0.04						
11		0.09										
12												
13												
14												
15						0.52						
16												
17												
18												
19												
20			0.06	0.30								
21								0.09				
22												
23												
24												
25				0.50		0.70						
26				0.45								
27												
28		0.83										
29												
30												
31				0.27								
Totals	0.00	1.77	1.22	1.52	0.56	1.38	0.64	0.09	0.11	0.00	0.00	0.00
											Water Year Total: 7.29	

NOTE: All values are in terms of inches, unless otherwise specified.

LEGEND: * - Unprocessed record N - No data available
 E - Estimated Q - Questionable
 I - Incomplete data T - Trace, unmeasurable amount of rain
 M - Instrument malfunction) - Include in the following total

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DAILY PRECIPITATION SUMMARY
Gage Type:

107 D Downey - Fire Department

Water Year from 10/1/1999 to 9/30/2000

Latitude: 33-55-48 Longitude: 118-08-47 Elevation: 110 Feet Observation Time: 800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4							0.35					
5							1.20					
6												
7												
8		0.21										
9												
10					0.30							
11												
12												
13					0.54							
14												
15												
16					0.42							
17							1.10					
18							1.45					
19												
20					0.75							
21											0.22	
22												
23					2.00							
24												
25				0.54				0.05				
26				0.05								
27												
28												
29												
30				0.03								
31												

Totals 0.00 0.21 0.00 0.62 4.01 1.55 2.55 0.05 0.00 0.00 0.00 0.22
 Water Year Total: 9.21

NOTE: All values are in terms of inches, unless otherwise specified.

LEGEND: * - Unprocessed record N - No data available
 E - Estimated Q - Questionable
 I - Incomplete data T - Trace, unmeasurable amount of rain
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DAILY PRECIPITATION SUMMARY
Gage Type:

107 D Downey - Fire Department

Water Year from 10/1/2000 to 9/30/2001

Latitude: 33-55-48 Longitude: 118-08-47 Elevation: 110 Feet Observation Interval: 800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5						0.57E						
6						0.05E						
7							0.54					
8				0.65								
9												
10												
11				3.45	0.08							
12				0.10	1.05							
13												
14												
15												
16												
17												
18						0.03						
19						0.26						
20												
21						0.24						
22												
23												
24				0.48	0.43							
25					2.10							
26				0.70	0.17							
27	1.05				0.15							
28					0.43							
29	0.52											
30	0.35											
31												

Totals 1.92 0.00 0.00 5.38 7.14 0.62 0.54 0.00 0.00 0.00 0.00 0.00
 Water Year Total: 15.60

NOTE: All values are in terms of inches, unless otherwise specified.

LEGEND: * - Unprocessed record N - No data available
 E - Estimated Q - Questionable
 I - Incomplete data T - Trace, unmeasurable amount of rain
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DAILY PRECIPITATION SUMMARY
Gage Type: 107 D Downey - Fire Department
 Water Year from 10/1/2001 to 9/30/2002
 Latitude: 33-55-48 Longitude: 118-08-47 Elevation: 110 Feet Observation Time: 800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3			0.40									
4												
5												
6												
7												
8												
9												
10												
11												
12												
13		0.33										
14												
15							0.01E					
16												
17				0.21E	0.32							
18												
19												
20												
21												
22												
23						0.14						
24		0.55					0.05E					
25												
26							0.01E					
27												
28				0.51								
29			0.27									
30												
31												

Totals 0.00 0.88 0.67 0.51 0.21 0.46 0.07 0.00 0.00 0.00 0.00 0.00
 Water Year Total: 2.80

NOTE: All values are in terms of inches, unless otherwise specified.
 LEGEND: * - Unprocessed record N - No data available
 E - Estimated Q - Questionable
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DAILY PRECIPITATION SUMMARY
Gage Type:

107 D Downey - Fire Department
 Water Year from 10/1/2002 to 9/30/2003
 Station: 33-55-48 Elevation: 118-08-47 Elevator: 110 Feet Capacitor Filter: 800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2			0.05									
3							2.07					
4												
5												
6												
7		0.50										
8		0.55										
9												
10		0.33			0.11E							
11					1.27E							
12					2.30E							
13					0.17E							
14							1.04E					
15						2.10	0.08					
16			0.16			1.00						
17			1.71									
18			0.03									
19												
20			1.88									
21												
22												
23												
24												
25					0.87E							
26					0.05E							
27					0.16E							
28			0.15		0.15E							
29												
30		0.20										
31												
Totals	0.00	1.58	3.98	0.00	5.08	3.10	1.12	2.07	0.00	0.00	0.00	0.00

Water Year Total: 16.93

NOTE: All values are in terms of inches, unless otherwise specified.
 LEGEND: * - Unprocessed record N - No data available
 E - Estimated Q - Questionable
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DAILY PRECIPITATION SUMMARY
Gage Type:

107 D Downey - Fire Department

Water Year from 10/1/2003 to 9/30/2004

Station: 33-55-48 Longitude: 118-08-47 Elevation: 110 Feet Observation: Winter 800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1							0.16					
2				0.42E		1.70						
3												
4					0.75							
5												
6			0.01E									
7			0.05E									
8												
9												
10												
11												
12												
13		0.72										
14												
15			0.13E									
16												
17												
18												
19		0.05										
20												
21				0.01	0.56							
22					1.13							
23												
24												
25			0.01E									
26			1.02E		2.53							
27												
28				0.12								
29												
30												
31												

Totals 0.00 0.77 1.22 0.55 4.97 1.70 0.16 0.00 0.00 0.00 0.00 0.00
 Water Year Total: 9.37

NOTE: All values are in terms of inches, unless otherwise specified.

LEGEND: ^ - Unprocessed record N - No data available
 E - Estimated Q - Questionable
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DAILY PRECIPITATION SUMMARY
Gage Type:
 107 D Downey - Fire Department
 Water Year from 10/1/2004 to 9/30/2005
 Latitude: 33-55-48 Longitude: 118-08-47 Elevation: 110 Feet Observation Time: 800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2				0.05								
3												
4			0.03	0.40		0.25						
5			0.45									
6												
7		0.02										
8				2.04								
9												
10				2.56								
11				1.00	1.60							
12				0.02								
13												
14												
15												
16												
17												
18	0.67				1.45							
19	0.10				1.74							
20					2.20							0.11
21												0.24
22					0.75							
23						1.48						
24							0.13E					
25												
26												
27		0.56										
28	2.46		A			1.24	1.27E					
29			A	0.01			0.03E					
30			2.00A									
31												
Totals	3.23	0.58	2.48	6.08	7.74	2.97	1.43	0.00	0.00	0.00	0.00	0.35

Water Year Total: 24.86

NOTE: All values are in terms of inches, unless otherwise specified.
 LEGEND: * - Unprocessed record N - No data available
 E - Estimated Q - Questionable
 I - Incomplete data T - Trace, unmeasurable amount of rain
 M - Instrument malfunction) - Include in the following total

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DAILY PRECIPITATION SUMMARY
Gage Type: 107 D Downey - Fire Department
 Water Year from 10/1/2005 to 9/30/2006
 Station: 33-55-48 Longitude: 118-08-47 Elevation: 110 Feet Observation: 800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1				1.00			0.20					
2				1.75								
3						0.65						
4								1.20				
5												
6												
7												
8												
9			0.12									
10												
11						0.55						
12						T						
13												
14												
15												
16												
17	0.10											
18	0.72											
19	0.02				0.35							
20												
21												
22								0.70				
23												
24												
25												
26												
27						0.35						
28					1.85	0.45						
29						1.35						
30												E
31												

Totals 0.84 0.00 0.12 2.75 2.20 3.35 1.40 0.70 0.00 0.00 0.00 0.00
 Water Year Total: 11.36

NOTE: All values are in terms of inches, unless otherwise specified.

LEGEND: * - Unprocessed record N - No data available
 E - Estimated Q - Questionable
 I - Incomplete data T - Trace, unmeasurable amount of rain
 M - Instrument malfunction) - Include in the following total

Department of Public Works

Resident Business Government
Water Resources
Home

107D Downey - Fire Department - S

2008 Select

Search this site

Seawater Barriers
 Well Measurements
 Spreading Grounds
 Precipitation
 Runoff
 Facilities
 Publications
 Dams / Reservoirs
 Fire Information
 Flood Information
 Reservoir Cleanouts
 Fill Materials
 Community Meetings

DAILY PRECIPITATION SUMMARY

Gage Type:

107 D Downey - Fire Department

Water Year from 10/1/2007 to 9/30/2008

Latitude: 33-55-48 Longitude: 118-08-47 Elevation: 110 Feet Observation Point: 800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1			1.20									
2							0.02					
3					3.80							
4					0.02							
5				1.10								
6			0.46	0.60								
7				0.65								
8												
9												
10												
11												
12												
13	0.61											
14					0.04							
15												
16												
17												
18			0.07									
19			0.88									
20					0.15							
21					0.05							
22				0.50	0.77							
23												
24				1.00	0.72							
25				2.05	0.01							
26												
27				0.75								
28				1.15								
29				0.50								
30			0.01									
31												

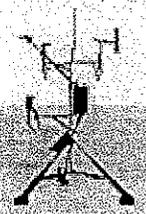
Totals 0.61 0.01 2.61 8.30 5.56 0.00 0.02 0.00 0.00 0.00 0.00 0.00 0.00
 Water Year Total: 17.11

NOTE: All values are in terms of inches, unless otherwise specified.

LEGEND: ^ - Unprocessed record N - No data available
 E - Estimated Q - Questionable
 I - Incomplete data T - Trace, unmeasurable amount of rain
 M - Instrument malfunction) - Include in the following total

APPENDIX H

California Irrigation Management Information System Monrovia, CA Station Data



Unregistered User

- Registration
- Sample Daily Report
- Sample Monthly Report

Registered User

- Logon
- Hourly
- Daily
- Daily ETo Variance
- Monthly
- Monthly Average ETo

Quality Control

- QC Overview
- Current Flag Summary
- Current Hourly Flags
- Current Daily Flags
- Former Flag Summary
- Former Hourly Flags
- Former Daily Flags

More Info

- Station List
- Data Types
- Data Formats
- Data Size

Station Detail Report

The **Station Detail Report** provides detailed information on CIMIS stations including the region in which they are located, nearby city, installation dates, termination dates (if inactive), geographic locations (latitude and longitude), elevations above sea level, zip codes, surface types (grass or alfalfa), station site descriptions, and photographs of the stations.

Monrovia #159

Los Angeles Basin Region Los Angeles County Central District
Nearby city is Monrovia

- Activated On October 15, 1999
- Station is Active
- ETo Reported
- Reference Surface is Grass
- Datalogger is CR10



Station 159
North | South | East | West

Geographic Information

Elevation (ft): 595
Latitude: 34°08'43"N / 34.15
Longitude: 117°59'05"W / -117.99

Associated Zip Codes

91016, 91017

Station Siting Description

DATE: 11-18-02
STATION#: 159
STATION NAME: Monrovia
ETO ZONE: 9
PREVAILING WINDS:
LOCAL CHARACTER: Located in an urban area.

DESCRIPTION OF STATION SITE:

The station is installed on top of a turf covered water storage tank. The top of the tank slopes to the North. The surface of the tank is approximately 12' above the perimeter roads and surrounding terrain.

NORTH:
90ft: Turf
90ft: 12' Drop-off to street below
90-150ft: Paved surface street
150+ ft: Trees and houses

EAST:
75ft: Turf
75ft: 12' Drop-off
75-100ft: Graveled drive area
100-130ft: Flood control channel
130+ ft: Paved/grassed school grounds

SOUTH:
175ft: Turf
175ft: 12' Drop-off to street below
175+ ft: Paved Corporation yard

WEST:
80ft: Turf
80-100ft: Concrete control room approximately 12' tall
100: 12ft Drop-off to street below
100-175ft: Paved street
175+ ft: Grass in front of YMCA building

COMMENTS:
This is a severely constrained site when comparing it to CIMIS site criteria. ETo from this site should be used with care.

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APPENDIX I

**City of Norwalk
Ordinance No. 1378, March 1991**

ORDINANCE NO. 1378

**AN ORDINANCE OF THE CITY OF NORWALK ADOPTING AN
EMERGENCY WATER CONSERVATION PLAN**

The City Council of the City of Norwalk does hereby ordain as follows:

Section 1. Statement of Policy and Declaration of Purpose

- (a) Because of the water supply conditions prevailing in the City of Norwalk (City) and/or in the area from which the City obtains a portion of its supply, the general welfare requires that the water resources available to the City be put to the maximum beneficial use to the extent to which they are capable, and that the waste or unreasonable use, or unreasonable method of use of water be prevented and that the conservation of such water be practiced with a view to the reasonable and beneficial use thereof in the interest of the people of Norwalk and for the public welfare.
- (b) The purpose of this ordinance is to provide a mandatory water conservation plan to minimize the effect of a shortage of water supplies on the persons of the City of Norwalk during a water shortage emergency.

Section 2. Authorization to Implement Water Conservation Ordinance

- (a) The Norwalk City Council (City Council) is authorized to implement the provisions of this ordinance, following the public hearing required by subsection (b), upon its determination that such implementation is necessary to protect the public welfare and safety.
- (b) Prior to implementation of this ordinance, the City Council shall hold a public hearing for the purpose of determining whether a shortage exists and which measures provided by this ordinance should be implemented. Notice of the time and place of the public hearing shall be published not less than ten (10) days before the hearing in a newspaper of general circulation within the City.
- (c) The City Council shall issue its determination of shortage and corrective measures by public proclamation published in a daily newspaper of general circulation within the City of Norwalk.

Section 3. General Prohibition

No persons of the City of Norwalk shall make, cause, use, or permit the use of water from the City in a manner contrary to any provision of this ordinance or in an amount in excess of that use permitted by any curtailment provisions then in effect pursuant to action taken by the City Council in accordance with the provisions of this ordinance.

Section 4. Phase I Shortage

- (a) A Phase I Shortage shall be declared when the City Council determines that it is likely that it will suffer a ten percent (10%) shortage in its water supplies.
- (b) The following restrictions on the use of water shall be in effect during a Phase I Shortage.
 - 1. There shall be no hose washing of sidewalks, walkways, driveways, parking areas or other paved surfaces, except as is required for sanitary purposes;
 - 2. Washing of motor vehicles, trailers, boats and other types of mobile equipment shall be done only with a hand-held bucket or hose equipped with a positive shutoff nozzle for quick rinses, except that washing may be done at the immediate premises of a commercial car wash or with reclaimed water.
 - 3. No water shall be used to clean, fill or maintain levels in decorative fountains, ponds, lakes or other similar aesthetic structures unless such water is part of a recycling system.
 - 4. No restaurant, hotel, cafe, cafeteria or other public place where food is sold, served or offered for sale, shall serve drinking water to any person unless expressly requested.
 - 5. All persons of the City of Norwalk shall promptly repair all leaks from indoor and outdoor plumbing fixtures.
 - 6. No lawn, landscape or other turf area shall be watered more often than every other day and during the hours between 10:00 a.m. and 4:00 p.m.; except that this provision shall not apply to commercial nurseries, golf courses and other water-dependent industries.

7. No persons of the City of Norwalk shall cause the water to run off landscape areas into adjoining streets, sidewalks or other paved areas due to incorrectly directed or maintained sprinklers or excessive watering.

Section 5. Phase II Shortage

- (a) A Phase II Shortage shall be declared when the City Council determines that it is likely it will suffer a shortage of more than ten percent (10%) but less than twenty percent (20%) in water supplies.
- (b) The following restrictions on the use of water shall be in effect during a Phase II Shortage:
 - (1) The restrictions listed in Section 4, subsection (b) shall be in effect, except that the restrictions on watering lawn, landscape or other turf area shall be modified to prohibit watering more often than every third day between the hours of 6:00 a.m. and 6:00 p.m.
 - (2) Commercial nurseries, golf courses and other water-dependent industries shall be prohibited from watering lawn, landscape or other turf areas more often than every other day and between the hours of 10:00 a.m. and 4:00 p.m.; except that there shall be no restriction of watering utilizing reclaimed wastewater.

Section 6. Phase III Shortage

- (a) A Phase III Shortage shall be declared whenever the City Council determines that it is likely that it will suffer a shortage of more than twenty percent (20%) in water supplies.
- (b) The following restrictions on the use of water shall be in effect during a Phase III Shortage:
 - (1) The restrictions listed in Section 4, subsection (b) shall be in effect, except that there shall be no residential outside watering of lawn, landscaping and other turf areas at any time except by bucket.

- (2) Commercial nurseries, golf courses and other water-dependent industries shall be prohibited from watering lawn, landscaping and other turf areas more often than every third day and between the hours of 6:00 a.m. and 6:00 p.m.; except there shall be no restriction on watering utilizing reclaimed water.
- (3) The use of water from fire hydrants shall be limited to fire fighting and related activities and other uses of water for municipal purposes shall be limited to activities necessary to maintain the public health, safety and welfare.

Section 7. Relief from Compliance

- (a) A person may file an application for relief from any provision of this ordinance. The City Engineer shall develop such procedures as he or she considers necessary to resolve such applications and shall, upon the filing by a person of an application for relief, take such steps as he or she deems reasonable to resolve the application for relief. The decision of the City Engineer may delegate his or her duties and responsibilities under this section as appropriate.
- (b) In determining whether to grant relief, and the nature of any relief, the City Engineer shall take into consideration all relevant factors including, but not limited to:
 - (1) Whether any additional reduction in water consumption will result in unemployment;
 - (2) Whether additional members have been added to the household;
 - (3) Whether any additional landscaped property has been added to the property since the corresponding billing period of the prior calendar year;
 - (4) Changes in vacancy factors in multifamily housing;
 - (5) Increased number of employees in commercial, industrial, and governmental offices;
 - (6) Increased production requiring increased process water;
 - (7) Water uses during new construction;
 - (8) Adjustments to water use caused by emergency health or safety hazards;
 - (9) First filling of a permit-constructed swimming pool; and
 - (10) Water use necessary for reasons related to family illness or health.

ORIGINAL

- (c) In order to be considered, an application for relief must be filed with the City within fifteen (15) days from the date the provision from which relief is sought becomes applicable to the applicant. No relief shall be granted unless the person shows that he or she has achieved the maximum practical reduction in water consumption other than in the specific areas in which relief is being sought. No relief shall be granted to any person who, when requested by the City Engineer, fails to provide any information necessary for resolution of the person's application for relief.

Section 8. Failure to Comply

- (a) Violation by any person of the water use prohibitions of Section 3, or subsection (b) of Sections 4,5 and 6, shall be penalized as follows:
 - (1) First violation. The City shall issue a written notice of the fact of a first violation to the person.
 - (2) Second violation. For a second violation during any one water shortage emergency, the City shall impose a surcharge in the amount equal to thirty percent (30%) of the person's water bill.
 - (3) Third and Subsequent Violations. For a third and each subsequent violation during any one water shortage emergency, the City shall install a flow restricting device of one (1) gallon per minute capacity for services up to one and one-half (1-1/2) inch size, and comparatively sized restrictors for larger services, on the service of the person at the premises at which the violation occurred for a period of not less than forty-eight (48) hours. The City shall charge the person the reasonable costs incurred for installing and for restoration of normal service. The charge shall be paid before normal service can be restored. In addition, the surcharge provided in subsection (b) (2) shall be imposed.
- (b) The City of Norwalk shall give notice of violation to the customer committing the violation as follows:
 - (1) Notice of first violations of the water use prohibitions of Section 3 or of subsection (b) of Sections 4,5, and 6 shall be given in writing by regular mail.

ORIGINAL

- (2) Notice of second or subsequent violations of the water use prohibitions of Section 3 or of subsection (b) of Sections 4, 5 and 6 shall be given in writing in the following manner:
- (A) by giving the notice to the person personally;
 - (B) if the person is absent from or unavailable at the premises at which the violation occurred, by leaving a copy with some person of suitable age and discretion at the premises and sending a copy through the regular mail to the address at which the person is normally billed; or
 - (C) if a person of suitable age or discretion cannot be found, then by affixing a copy in a conspicuous place at the premises at which the violation occurred and also sending a copy through the regular mail to the address at which the person is normally billed.
- (c) The notice shall contain a description of the facts of the violation, a statement of the possible penalties for each violation and a statement informing the person of his right to a hearing on the merits of the violation pursuant to Section 9.

Section 9. Hearing Regarding Violations

- (a) Any person receiving notice of a second or subsequent violation of sections 4(b), 5(b), or 6(b) shall have a right to a hearing by the City Engineer within fifteen (15) days of mailing or other delivery of the notice of violation.
- (b) The person's timely written request for a hearing shall automatically stay installation of a flow-restricting device on the person's premises until the City Engineer renders his or her decision.
- (c) The person's timely written request for a hearing shall not stay the imposition of a surcharge unless within the time period to request a hearing, the person deposits with the City money in the amount of any unpaid surcharge due. If it is determined that the surcharge was wrongly assessed, the City will refund any money deposited to the person.
- (d) The decision of the City Engineer may be appealed to the City Council of the City of Norwalk.

Ordinance No. 1378

ORIGINAL

- (e) The decision of the City Council of the City of Norwalk shall be final except for judicial review.
- (f) The City Engineer may delegate his other duties and responsibilities under this section as appropriate.

Section 10. Additional Water Shortage Measures

The City of Norwalk may order implementation of water conservation measures in addition to those set forth in Sections 4, 5, and 6. Such additional water conservation measures shall be implemented in the manner provided in Section 2(b).

Section 11. Public Health and Safety Not to be Affected

Nothing in this ordinance shall be construed to require the City of Norwalk to curtail the supply of water to any person when such water is required by that person to maintain an adequate level of public health and safety.

Section 12. Severability

If any part of this ordinance or the application thereof to any person or circumstances is for any reason held invalid by a court of competent jurisdiction, the validity of the remainder of the ordinance or the application of such provision to other persons or circumstances shall not be affected.

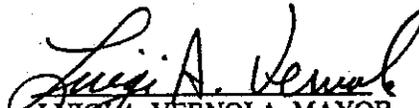
ORIGINAL

Section 13. Effective Date

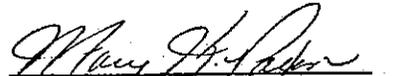
This Ordinance shall be effective thirty (30) days after its adoption.

The City Clerk shall certify to the same and cause it to be published in the Herald American, a newspaper of general circulation, circulated in the City of Norwalk, within fifteen (15) days following its adoption.

PASSED, APPROVED AND ADOPTED THIS 5th DAY OF MARCH, 1991.


LUCIJA A. VERNOLA, MAYOR
NORWALK, CALIFORNIA

ATTEST:


MARY K. PAXON, CITY CLERK

Ordinance No. 1378

ORIGINAL

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) ss.
CITY OF NORWALK)

I, MARY K. PAXON, City Clerk of the City of Norwalk, California, DO HEREBY CERTIFY that the foregoing Ordinance was regularly introduced at a meeting of the City Council held on February 19 , 1991 and adopted as Ordinance No. 1378 of the City of Norwalk at a regular meeting of the City Council held March 5 , 1991, and said Ordinance has been duly signed by the Mayor and attested by the City Clerk and that the same was approved and adopted by the following vote, to wit:

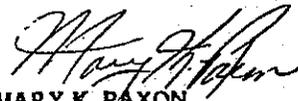
AYES: COUNCILMEMBERS ARTHUR, MENDEZ, NAPOLITANO, WHITE, VERNOLA

NOES: NONE

ABSENT: NONE

ABSTAIN: NONE

Dated this 5th day of MARCH , 1991


MARY K. PAXON
CITY CLERK
CITY OF NORWALK

APPENDIX J

**City of Norwalk
Water Shortage Contingency Plan, November 1992**

DRAFT

**WATER SHORTAGE CONTINGENCY PLAN
AN AMENDMENT TO THE URBAN WATER
MANAGEMENT PLAN**

City of Norwalk

July, 1992

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Appendix B	City of Norwalk Emergency Water Conservation Ordinance	
Appendix C	City Council Resolution Adopting the Amendment	

TABLES

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Section 1

Introduction

Pursuant to the Urban Water Management Planning Act (Division 6, Sections 10610 through 10656 of the California Water Code), the City of Norwalk prepared an Urban Water Management Plan in December 1990, and submitted its plan to the State Department of Water Resources in accordance with the Urban Water Management Planning Act.

Assembly Bill 11 (September 1991) which is located in Appendix A, amends the State Water Code requiring Urban Water Management Plans to include an urban water shortage contingency plan containing specific elements. As a result, the legislation requires urban water suppliers to prepare, adopt, and submit to the Department of Water Resources an amendment to its Urban Water Management Plan to meet the requirement of the new legislation.

The legislation requires urban water suppliers to provide an urban water shortage contingency plan including such elements as:

- 1) past, current, and projected water use;
- 2) an estimate of the minimum water supply available at the end of 12, 24, and 36 months, assuming the worst case water supply shortages;
- 3) stages of action to be undertaken by the urban water supplier in response to water supply shortages, including, up to a 50 percent reduction in water supply;
- 4) mandatory provisions to reduce water use which include prohibitions against specific wasteful practices;
- 5) consumption limits in the most restrictive stages;
- 6) penalties or charges for excessive use;
- 7) an analysis of the impacts of the plan on the revenues and expenditures of the urban water supplier;
- 8) a draft water shortage contingency resolution or ordinance to carry out the urban water shortage contingency plan; and
- 9) a mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency plan.

This amendment to the City of Norwalk's Urban Water Management Plan dated December, 1990, has been prepared to fulfill the requirements of AB11.

Section 2

Current Water Management Programs

Assembly Bill 11 (AB11) reads, "each urban water supplier shall prepare and adopt an urban water management plan," which includes "an urban water shortage contingency plan.....with up to a 50 percent reduction in water supply." At the present time, the City of Norwalk obtains approximately seventy-seven percent (77%-1,583 acre-feet) of its water from wells. The remaining twenty-three percent (23%-459 acre-feet) is purchased from the City of Cerritos and City of Santa Fe Springs. Of the total 2,042 acre-feet of water Norwalk used in 1989-90, 1,267 acre-feet is water the City has acquired rights to in the past. The Norwalk Municipal Water System is impacted largely in the areas which it purchases water from the City of Cerritos and City of Santa Fe Springs or about 23% of the Norwalk system's supply.

As a result of the 1991 drought, the City of Norwalk has a comprehensive approach to water management through the use of programs aimed at the efficient use of all water resources. These water management programs include the adoption of Ordinance No. 1378, the City's Emergency Water Conservation Plan, metering, conservation kit distribution, public information dissemination, and low nominal system pressure.

Emergency Water Conservation Plan

Adopted February 19, 1991, Ordinance No. 1378, the City of Norwalk's Emergency Water Conservation Plan, is intended to conserve water during extended drought situations. A copy of the ordinance is located in Appendix B. The plan has a coordinated implementation with the Central Basin Municipal Water District (CBMWD) and the Metropolitan Water District of Southern California (MWD). Lastly, the plan promotes the City of Norwalk as a responsible community doing its part to contribute to the overall area-wide conservation effort.

This ordinance provides mandatory water conservation to minimize the effect of a shortage of water supplies on the persons of the City of Norwalk during a water shortage emergency. This is achieved through a declaration by City Council resulting from a public hearing process. Any one of three phases may be implemented according to the degree of shortage. Each phase has a specific set of restrictions which are commensurate with the severity of the shortage. These phases are discussed in Section 5.

Metering

Water in the Norwalk Municipal Water System (NMWS) is metered at the source and at each service connection. Records tabulated from the meters are used to determine how much water is lost throughout the system. Meters also inform consumers and the City how much water is being used and where the largest use of water occurs. Meters are discussed further in Section 9.

Conservation Kits

In 1988, conservation kits obtained from MWD were offered to Norwalk Municipal Water System consumers. These kits were made available at City Hall for residents who desired them. No follow-up program was implemented to ascertain the amount of water saved as a result of the kit distribution. Approximately \$2,000 was spent for kit distribution at that time.

Public Information

Presently, Norwalk mails public education material with the water bills to its consumers. Every fourth (4) month, conservation facts and tips are mailed to consumers to help them understand where to look for leaks and how to save water and money at the same time.

With the anticipated increase in system demand in the future, public education will continue to be an active part of Norwalk's conservation program.

System Pressure

The Norwalk Municipal Water System operates at a nominal pressure of 45-50 psi. These reduced pressures inhibit the use of water. Norwalk may eventually connect the four portions of the NMWS together to provide increased fire flow protection and provide greater system reliability. This will require an increase in pressure to 70-75 psi. It is anticipated that Norwalk's reduced system pressure has resulted in a 1985-90 savings of up to 300 acre-feet when compared to a typical system operating at 70-75 psi.

Section 3

Past, Current and Projected Water Use

California Water Code Section 10631. (e) (1) Past current and projected water use and, to the extent records are available, a breakdown of those uses on the basis of residential single family, residential multifamily, industrial, commercial, governmental, and agricultural use.

There is limited information available on past water usage within the City. Water production reports are available for the fiscal year 1960-61. However, data for years 1961-65 and 1967-70 are not available. The data for years 1960-61 to 1984-85 only include ground water production. Purchases made from (CBMWD) and other water suppliers are not available.

The reports for those fiscal years which are available are based on bi-monthly data of production and consumption. By metering the water at the sources and at the consumer connection, an accurate picture was obtained of the total water produced, consumed, and lost through the system. These reports were tallied and have been presented in Table II-1 segregated by the use between residential, industrial, commercial and governmental use.

The City of Norwalk has 3,068 connections being served by the Norwalk Municipal Water System. NMWS's residential accounts comprise 75% of the system's normal deliveries.

**Table III-1
Customer Types, Normal Demand and Demand Including Growth**

Customer Type	Connections	Highest Use AF	Projected 1991 AF	Projected 1992 AF	Projected 1993 AF	Projected 1994 AF
Residential	3,068	1531.50	1,546.82	1,562.29	1,578.00	1,593.78
Commercial	206	142.94	144.37	145.81	147.27	148.74
Industrial	64	102.1	103.12	104.15	105.19	106.96
Public Auth	33	163.36	165.00	166.65	168.31	170.00
Total*	3,371	1,939.90	1,959.31	1,978.90	1,998.77	2,019.48

* Does not include 5% system loss

Connections are not anticipated to increase more than 1% per year and are projected to remain relatively constant over time.

Section 4

Worst Case Water Supply Availability for 12, 24 & 36 Months

California Water Code Section 10631. (e) (2) An estimate of the minimum water supply available at the end of 12, 24 and 36 months, assuming the worst case water supply shortages.

Table IV-1 numerically represents the effect of 10%, 20% and 50% reductions in water imported by the Norwalk Municipal Water System and being pumped from city wells. Whereas Table IV-1 reflects a 10%, 20%, and 50% projected reduction in water pumped from domestic wells also, the City of Norwalk would have the option to continue pumping from these domestic wells at a regular level.

**Table IV-1
Supply Sources and Worst Case Supply Projections**

Source	85-89 Avg. Use (AF)	Actual 1991 (AF)	Proj. Worst Case 1992 (AF)	Proj. Worst Case 1993 (AF)	Proj. Worst Case 1994 (AF)
City of Cerritos	191.06	170.72	153.64	136.57	85.36
City of Santa Fe Springs	226.90	251.27	226.14	201.01	125.63
Groundwater	1,561.35	1744.00	1,569.60	1,395.20	872.00
Total	1,979.31	2,165.99	1,949.38	1,732.78	1,082.99
% Supply Shortage			10	20	50

Section 5

Stages of Action

California Water Code Section 10631. (e) (3) Stages of action to be undertaken by the urban water supplier in response to water supply shortages, including up to a 50 percent reduction in water supply, and an outline of specific water supply conditions which are applicable to each stage.

California Water Code Section 10631. (e) (4) Mandatory provisions to reduce water use which include prohibitions against specific wasteful practices, such as gutter flooding.

California Water Code Section 10631. (e) (5) Consumption limits in the most restrictive stages. Each urban water supplier may use any type of consumption limit in its water shortage contingency plan that would reduce water use and is appropriate for its area. Examples of consumption limits that may be used include, but are not limited to, percentage reductions in water allotments, per capita allocations, an increasing block rate schedule for high usage of water with incentives for conservation, or restrictions on specific uses.

On February 19, 1991, the City of Norwalk adopted Ordinance No. 1378, an ordinance of the City of Norwalk adopting an emergency water conservation plan. The Norwalk City Council is authorized to implement the provisions of Ordinance No. 1378, following a public hearing for the purpose of determining whether a shortage exists and which measures provided by Ordinance No. 1378 should be implemented. Notice of the time and place of the public hearing shall be published not less than ten (10) days before the hearing in a newspaper of general circulation within the City.

The City Council shall issue its determination of shortage and corrective measures by public proclamation published in a newspaper of similar description above. Stages of Action provided by Ordinance 1378 are as follows:

Phase I Shortage

- (a) A Phase I Shortage shall be declared when the City Council determines that it is likely that it will suffer a ten percent (10%) shortage in its water supplies.
- (b) The following restrictions on the use of water shall be in effect during a Phase I Shortage.
 - 1. There shall be no hose washing of sidewalks, walkways, driveways, parking areas or other paved surfaces, except as is required for sanitary purposes;
 - 2. Washing of motor vehicles, trailers, boats and other types of mobile equipment shall be done only with a hand-held bucket or hose equipped with a positive shutoff nozzle for quick rinses, except that washing may be done at the

immediate premises of a commercial car wash or with reclaimed water.

3. No water shall be used to clean, fill or maintain levels in decorative fountains, ponds, lakes or other similar aesthetic structures unless such water is part of a recycling system.
4. No restaurant, hotel, cafe, cafeteria or other public place where food is sold, served or offered for sale, shall serve drinking water to any person unless expressly requested.
5. All persons of the City of Norwalk shall promptly repair all leaks from indoor and outdoor plumbing fixtures.
6. No lawn, landscape or other turf area shall be watered more often than every other day and during the hours between 10:00 a.m. and 4:00 p.m.; except that this provision shall not apply to commercial nurseries, golf courses and other water dependent industries.
7. No persons of the City of Norwalk shall cause the water to run off landscape areas into adjoining streets, sidewalks or other paved areas due to incorrectly directed or maintained sprinklers or excessive watering.

Phase II Shortage

- (a) A Phase II Shortage shall be declared when the City Council determines that it is likely it will suffer a shortage of more than ten percent (10%) but less than twenty percent (20%) in water supplies.
- (b) The following restrictions on the use of water shall be in effect during a Phase II Shortage:
 1. The restrictions listed in Phase I, subsection (b) shall be in effect, except that the restrictions on watering lawn, landscape or other turf area shall be modified to prohibit watering more often than every third day between the hours of 6:00 a.m. and 6:00 p.m..
 2. Commercial nurseries, golf courses and other water-development industries shall be prohibited from watering lawn, landscape or other turf areas more often than every other day and between the hours of 10:00 a.m. and 4:00 p.m.; except that there shall be no restriction of watering utilizing reclaimed waste-water.

Phase III Shortage

- (a) A Phase III Shortage shall be declared whenever the City Council determines that it is likely that it will suffer a shortage of more than twenty percent (20%) in water supplies.
- (b) The following restrictions on the use of water shall be in effect during a Phase III Shortage:
 - 1. The restrictions listed in Phase 1, subsection (b) shall be in effect, except that there shall be no residential outside watering of lawn, landscaping and other turf areas at any time except by bucket.
 - 2. Commercial nurseries, golf courses and other water-dependent industries shall be prohibited from watering lawn, landscaping and other turf areas more often than every third day and between the hours of 6:00 a.m. and 6:00 p.m.; except there shall be no restriction on watering utilizing reclaimed water.
 - 3. The use of water from fire hydrants shall be limited to fire fighting and related activities and other uses of water for municipal purposes shall be limited to activities necessary to maintain the public health, safety and welfare.

Section 6

Penalties or Charges for Excessive Use

California Water Code Section 10631. (e) (6) Penalties or charges for excessive use.

Section 8, Failure to Comply, of the City of Norwalk Ordinance No. 1378, adopted on February 19, 1991, provides for the following:

- (a) Violation by any person of the water use prohibitions listed within Phase 1, Phase 2 or Phase 3 shall be penalized as follows:
1. First violation. The City shall issue a written notice of the fact of a first violation to the person.
 2. Second violation. For a second violation during any one water shortage emergency, the City shall impose a surcharge in the amount equal to thirty percent (30%) of the person's water bill.
 3. Third and Subsequent Violations. For a third and each subsequent violation during any one water shortage emergency, the City shall install a flow restricting device of one (1) gallon per minute capacity for services up to one and one-half (1-1/2) inch size, and comparatively sized restrictors for larger services, on the service of the person at the premises at which the violation occurred for a period of not less than forty-eight (48) hours. The City shall charge the person the reasonable costs incurred for installing and for restoration of normal service. The charge shall be paid before normal service can be restored. In addition, the surcharge provided in subsection (a) (2) shall be imposed.
- (b) The City of Norwalk shall give notice of violation to the customer committing the violation as follows:
1. Notice of the first violations of the water use prohibitions of Phase 1, Phase 2 or Phase 3 and/or the General Prohibition shall be given in writing by regular mail.
 2. Notice of second or subsequent violations of the water use prohibitions of Phase 1, Phase 2 or Phase 3 and/or the General Prohibition shall be given in writing in the following manner:
 - A. by giving the notice to the person personally;
 - B. if the person is absent from or unavailable at the premises at which the violation occurred, by leaving a copy with some person of suitable age and discretion at the premises and sending a copy through the regular

- mail to the address at which the person is normally billed; or
- C. if a person of suitable age or discretion cannot be found, then by affixing a copy in a conspicuous place at the premises at which the violation occurred and also sending a copy through the regular mail to the address at which the person is normally billed.
- (c) The notice shall contain a description of the facts of the violation, a statement of the possible penalties for each violation and a statement informing the person of his right to a hearing on the merits of the violation.

Section 7

Analysis of Revenue and Expenditure Impacts

California Water Code Section 10631. (e) (7) An analysis of the impacts of the plan on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.

The City of Norwalk is studying deficiencies in the Norwalk Municipal Water System and it is anticipated that rehabilitation will be needed. The City is concurrently exploring ways to fund anticipated improvements. It is difficult to project the extent of future funding levels for the rehabilitation at this time. Table VII-1 is based upon the current system at current levels of capability.

Table VII-1
Analysis of Revenues & Expenditures

	Normal*	Phase 1	Phase 2	Phase 3
Operating Revenues				
Service Charges	\$ 780,101	\$ 702,091	\$ 624,081	\$ 390,050
Water Usage Charge Increase	0	70,609	148,619	382,650
Sales/Other Utilities	204,400	205,700	205,700	205,700
Miscellaneous	19,600	20,000	20,000	20,000
Total Revenue	\$1,004,101	\$ 998,400	\$ 998,400	\$ 998,400
% Reduction		10%	20%	50%
Operating Expenses				
Salaries & Wages	\$ 248,200	\$ 248,200	\$ 248,200	\$ 248,200
Maint. & Operations	946,800	750,200	750,200	750,200
Capital Equipment	30,400	0	0	0
Total	\$1,225,400	\$ 998,400	\$ 998,400	\$ 998,400
Deficiency/Surplus	-\$ 221,299	0	0	0

* Based on FY 1991-92

As seen in Table VII-1, the Norwalk Municipal Water System requires approximately \$780,101 in customer service charges to maintain service levels at the 1991-92 level. A

reduction in sales from 10% to 50% would require raising the current Per Unit Charge For Water Usage. The City's general fund is not strong enough to be used for off-setting increased costs resulting from reduced revenue. The anticipated amount of increased charges for each scenario is projected in the row listed as "Water Usage Charge Increase" in Table VII-1.

Section 8

Implementation of the Plan

California Water Code Section 10631. (e) (8) A draft water shortage contingency resolution or ordinance to carry out the urban water shortage contingency plan

On February 19, 1991, the Norwalk City Council adopted a resolution directing the filing and implementation of the December 1990, City of Norwalk Urban Water Management Plan. The Urban Water Management Plan contains Ordinance No. 1378, an ordinance of the City of Norwalk adopting an Emergency Water Conservation Plan. As the City of Norwalk is already in compliance with the spirit of Assembly Bill 11 through Ordinance No. 1378, it is not anticipated that in addition to a resolution adopting this amendment to the Urban Water Management Plan of December, 1990, other ordinances are necessary.

Section 9

Water Use Monitoring Procedures

California Water Code Section 10631. (e) (9) A mechanism for determining actual reductions in water use pursuant to the Urban Water Shortage Contingency Plan.

Water use will be monitored by metering. At the present time, Norwalk meters 100% of its water system. Currently, there are 3,371 service meters and nine (9) source meters.

**Table IX-1
Meter Summary
Norwalk Municipal Water System**

Service Meters		
<u>Meter Class</u>	<u>No. of Meters</u>	<u>% System</u>
Residential Meters	3,068	91%
Commercial Meters	206	6%
Industrial Meters	64	2%
Public Authority	33	1%
Total	3,371	100%

Water is metered at the source and at each service connection. The records tabulated from the meters are used to determine how much water is lost throughout the system. Meters also inform consumers and the City how much water is being used and where the largest use of water occurs.

Norwalk conducts an active meter replacement program. Currently, meters which are fifteen (15) years and older are replaced. All source meters are tested every two (2) years and either rebuilt or replaced as needed.

Metering is responsible for reducing consumption by a considerable amount since consumers are charged directly for the amount of water they consume. It is estimated that between 1985-90, the amount of savings have remained constant with this program.

APPENDIX A

AMENDED IN SENATE SEPTEMBER 4, 1991
AMENDED IN ASSEMBLY AUGUST 20, 1991
AMENDED IN ASSEMBLY JUNE 13, 1991

CALIFORNIA LEGISLATURE—1991-92 FIRST EXTRAORDINARY SESSION

ASSEMBLY BILL

No. 11

Introduced by Assembly Member Filante

March 21, 1991

An act to amend Sections 10620, 10621, 10631, and 10652 of, and to add Section 10656 to, the Water Code, relating to water.

LEGISLATIVE COUNSEL'S DIGEST

AB 11, as amended, Filante. Urban water management plans.

(1) Existing law requires every urban water supplier serving water directly to customers to, not later than December 31, 1985, prepare and adopt an urban water management plan. Existing law authorizes an urban water supplier indirectly providing water to customers to adopt an urban water management plan or to participate in urban water management planning.

This bill would, instead, require every urban water supplier, whether serving water directly or indirectly to customers, to prepare and adopt an urban water management plan, as prescribed.

(2) Existing law requires the urban water management plan to include a prescribed description of water supply deficiencies.

This bill would delete that provision and would require the urban water management plan to include an urban water shortage contingency plan, as specified. The bill would

require each urban water supplier to coordinate the preparation of its urban water shortage contingency plan with other urban water suppliers and public agencies in the area *to the extent practicable*. The bill would require each urban water supplier, not later than ~~December 31, 1991~~ *January 31, 1992*, to prepare, adopt, and submit to the Department of Water Resources an amendment to its urban water management plan which meets the requirements relating to the preparation of the urban water shortage contingency plan. *The bill would make an urban water supplier that does not submit the amendment by that date ineligible to receive drought assistance from the state until the urban water management plan is submitted, as prescribed.*

(3) Existing law exempts the preparation and adoption of urban water management plans from the California Environmental Quality Act.

This bill would exempt the implementation of urban water shortage contingency plans from that act. *The bill would provide that the exemption provisions do not exempt specified projects from the requirements of that act.*

Vote: majority. Appropriation: no. Fiscal committee: yes. State-mandated local program: no.

The people of the State of California do enact as follows:

1 SECTION 1. Section 10620 of the Water Code is
2 amended to read:

3 10620. (a) Every urban water supplier shall prepare
4 and adopt an urban water management plan in the
5 manner set forth in Article 3 (commencing with Section
6 10640).

7 (b) Every person that becomes an urban water
8 supplier after December 31, 1984, shall adopt an urban
9 water management plan within one year after it has
10 become an urban water supplier.

11 (c) An urban water supplier indirectly providing
12 water shall not include planning elements in its water
13 management plan as provided in Article 2 (commencing
14 with Section 10630) that would be applicable to urban
15 water suppliers or public agencies directly providing

1 water, or to their customers, without the consent of those
2 suppliers or public agencies.

3 (d) (1) An urban water supplier may satisfy the
4 requirements of this part by participation in areawide,
5 regional, watershed, or basinwide urban water
6 management planning where those plans will reduce
7 preparation costs and contribute to the achievement of
8 conservation and efficient water use.

9 (2) Each urban water supplier shall coordinate the
10 preparation of its urban water shortage contingency plan
11 with other urban water suppliers and public agencies in
12 the area, *to the extent practicable*.

13 (e) The urban water supplier may prepare the plan
14 with its own staff, by contract, or in cooperation with
15 other governmental agencies.

16 SEC. 2. Section 10621 of the Water Code is amended
17 to read:

18 10621. (a) Each urban water supplier shall, not later
19 than ~~December 31, 1991~~ *January 31, 1992*, prepare, adopt,
20 and submit to the department an amendment to its urban
21 water management plan which meets the requirements
22 of subdivision (e) of Section 10631.

23 (b) Each urban water supplier shall periodically
24 review its plan at least once every five years. After the
25 review, it shall make any amendments or changes to its
26 plan which are indicated by the review. Amendments or
27 changes in its plan shall be adopted and filed in the
28 manner set forth in Article 3 (commencing with Section
29 10640).

30 SEC. 3. Section 10631 of the Water Code is amended
31 to read:

32 10631. A plan shall do all of the following:

33 (a) Include an estimate of past, current, and projected
34 water use and, to the extent records are available,
35 segregate those uses between residential, industrial,
36 commercial, and governmental uses.

37 (b) Identify conservation measures currently adopted
38 and being practiced.

39 (c) Describe alternative conservation measures,
40 including, but not limited to, consumer education,

1 metering, water saving fixtures and appliances, lawn and
2 garden irrigation techniques, and low water use
3 landscaping, which would improve the efficiency of
4 water use with an evaluation of their costs and their
5 environmental and other significant impacts.

6 (d) Provide a schedule of implementation for
7 proposed actions as indicated by the plan.

8 (e) Provide an urban water shortage contingency plan
9 which includes all of the following elements which are
10 within the authority of the urban water supplier:

11 (1) Past, current, and projected water use and, to the
12 extent records are available, a breakdown of those uses on
13 the basis of residential single family, residential
14 multifamily, industrial, commercial, governmental, and
15 agricultural use.

16 (2) An estimate of the minimum water supply
17 available at the end of 12, 24, and 36 months, assuming the
18 worst case water supply shortages.

19 (3) Stages of action to be undertaken by the urban
20 water supplier in response to water supply shortages,
21 including up to a 50 percent reduction in water supply,
22 and an outline of specific water supply conditions which
23 are applicable to each stage.

24 (4) Mandatory provisions to reduce water use which
25 include prohibitions against specific wasteful practices,
26 such as gutter flooding.

27 ~~(5) For the more restrictive stages, consumption limits~~
28 ~~such as~~

29 (5) *Consumption limits in the most restrictive stages.*
30 *Each urban water supplier may use any type of*
31 *consumption limit in its water shortage contingency plan*
32 *that would reduce water use and is appropriate for its*
33 *area. Examples of consumption limits that may be used*
34 *include, but are not limited to, percentage reductions in*
35 *water allotments, per capita allocations, an increasing*
36 *block rate schedule for high usage of water with*
37 *incentives for conservation, or restrictions on specific*
38 *uses.*

39 (6) Penalties or charges for excessive use.

40 (7) An analysis of the impacts of the plan on the

1 revenues and expenditures of the urban water supplier,
2 and proposed measures to overcome those impacts, such
3 as the development of reserves and rate adjustments.

4 (8) A draft water shortage ~~emergency contingency~~
5 resolution or ordinance to carry out the urban water
6 shortage contingency plan.

7 (9) A mechanism for determining actual reductions in
8 water use pursuant to the urban water shortage
9 contingency plan.

10 (f) To the extent feasible, describe the method which
11 will be used to evaluate the effectiveness of each
12 conservation measure implemented under the plan.

13 (g) Describe the steps which would be necessary to
14 implement any proposed actions in the plan.

15 SEC. 4. Section 10652 of the Water Code is amended
16 to read:

17 10652. The California Environmental Quality Act
18 (Division 13 (commencing with Section 21000) of the
19 Public Resources Code) does not apply to the
20 preparation and adoption of plans pursuant to this part or
21 to the implementation of subdivision (e) of Section 10631.
22 Nothing in this part shall be interpreted as exempting
23 ~~projects from the California Environmental Quality Act~~
24 *any project that would significantly affect water supplies*
25 *for fish and wildlife, or any project for implementation of*
26 *the plan, other than projects implementing subdivision*
27 *(e) of Section 10631, or any project for expanded or*
28 *additional water supplies from the provisions of the*
29 *California Environmental Quality Act.*

30 SEC. 5. Section 10656 is added to the Water Code, to
31 read:

32 10656. *An urban water supplier that does not submit*
33 *an amendment to its urban water management plan*
34 *pursuant to subdivision (a) of Section 10621 to the*
35 *department by January 31, 1992, is ineligible to receive*
36 *drought assistance from the state until the urban water*
37 *management plan is submitted pursuant to Article 3*
38 *(commencing with Section 10640) of Chapter 3.*

APPENDIX B

ORDINANCE NO. 1378

AN ORDINANCE OF THE CITY OF NORWALK ADOPTING AN
EMERGENCY WATER CONSERVATION PLAN

The City Council of the City of Norwalk does hereby ordain as follows:

Section 1. Statement of Policy and Declaration of Purpose

- (a) Because of the water supply conditions prevailing in the City of Norwalk (City) and/or in the area from which the City obtains a portion of its supply, the general welfare requires that the water resources available to the City be put to the maximum beneficial use to the extent to which they are capable, and that the waste or unreasonable use, or unreasonable method of use of water be prevented and that the conservation of such water be practiced with a view to the reasonable and beneficial use thereof in the interest of the people of Norwalk and for the public welfare.
- (b) The purpose of this ordinance is to provide a mandatory water conservation plan to minimize the effect of a shortage of water supplies on the persons of the City of Norwalk during a water shortage emergency.

Section 2. Authorization to Implement Water Conservation Ordinance

- (a) The Norwalk City Council (City Council) is authorized to implement the provisions of this ordinance, following the public hearing required by subsection (b), upon its determination that such implementation is necessary to protect the public welfare and safety.
- (b) Prior to implementation of this ordinance, the City Council shall hold a public hearing for the purpose of determining whether a shortage exists and which measures provided by this ordinance should be implemented. Notice of the time and place of the public hearing shall be published not less than ten (10) days before the hearing in a newspaper of general circulation within the City.
- (c) The City Council shall issue its determination of shortage and corrective measures by public proclamation published in a daily newspaper of general circulation within the City of Norwalk.

Section 3. General Prohibition

No persons of the City of Norwalk shall make, cause, use, or permit the use of water from the City in a manner contrary to any provision of this ordinance or in an amount in excess of that use permitted by any curtailment provisions then in effect pursuant to action taken by the City Council in accordance with the provisions of this ordinance.

Section 4. Phase I Shortage

- (a) A Phase I Shortage shall be declared when the City Council determines that it is likely that it will suffer a ten percent (10%) shortage in its water supplies.
- (b) The following restrictions on the use of water shall be in effect during a Phase I Shortage.
 - 1. There shall be no hose washing of sidewalks, walkways, driveways, parking areas or other paved surfaces, except as is required for sanitary purposes;
 - 2. Washing of motor vehicles, trailers, boats and other types of mobile equipment shall be done only with a hand-held bucket or hose equipped with a positive shutoff nozzle for quick rinses, except that washing may be done at the immediate premises of a commercial car wash or with reclaimed water.
 - 3. No water shall be used to clean, fill or maintain levels in decorative fountains, ponds, lakes or other similar aesthetic structures unless such water is part of a recycling system.
 - 4. No restaurant, hotel, cafe, cafeteria or other public place where food is sold, served or offered for sale, shall serve drinking water to any person unless expressly requested.
 - 5. All persons of the City of Norwalk shall promptly repair all leaks from indoor and outdoor plumbing fixtures.
 - 6. No lawn, landscape or other turf area shall be watered more often than every other day and during the hours between 10:00 a.m. and 4:00 p.m.; except that this provision shall not apply to commercial nurseries, golf courses and other water-dependent industries.

7. No persons of the City of Norwalk shall cause the water to run off landscape areas into adjoining streets, sidewalks or other paved areas due to incorrectly directed or maintained sprinklers or excessive watering.

Section 5. Phase II Shortage

- (a) A Phase II Shortage shall be declared when the City Council determines that it is likely it will suffer a shortage of more than ten percent (10%) but less than twenty percent (20%) in water supplies.
- (b) The following restrictions on the use of water shall be in effect during a Phase II Shortage:
 - (1) The restrictions listed in Section 4, subsection (b) shall be in effect, except that the restrictions on watering lawn, landscape or other turf area shall be modified to prohibit watering more often than every third day between the hours of 6:00 a.m. and 6:00 p.m.
 - (2) Commercial nurseries, golf courses and other water-dependent industries shall be prohibited from watering lawn, landscape or other turf areas more often than every other day and between the hours of 10:00 a.m. and 4:00 p.m.; except that there shall be no restriction of watering utilizing reclaimed wastewater.

Section 6. Phase III Shortage

- (a) A Phase III Shortage shall be declared whenever the City Council determines that it is likely that it will suffer a shortage of more than twenty percent (20%) in water supplies.
- (b) The following restrictions on the use of water shall be in effect during a Phase III Shortage:
 - (1) The restrictions listed in Section 4, subsection (b) shall be in effect, except that there shall be no residential outside watering of lawn, landscaping and other turf areas at any time except by bucket.

- (2) Commercial nurseries, golf courses and other water-dependent industries shall be prohibited from watering lawn, landscaping and other turf areas more often than every third day and between the hours of 6:00 a.m. and 6:00 p.m.; except there shall be no restriction on watering utilizing reclaimed water.
- (3) The use of water from fire hydrants shall be limited to fire fighting and related activities and other uses of water for municipal purposes shall be limited to activities necessary to maintain the public health, safety and welfare.

Section 7. Relief from Compliance

- (a) A person may file an application for relief from any provision of this ordinance. The City Engineer shall develop such procedures as he or she considers necessary to resolve such applications and shall, upon the filing by a person of an application for relief, take such steps as he or she deems reasonable to resolve the application for relief. The decision of the City Engineer may delegate his or her duties and responsibilities under this section as appropriate.
- (b) In determining whether to grant relief, and the nature of any relief, the City Engineer shall take into consideration all relevant factors including, but not limited to:
 - (1) Whether any additional reduction in water consumption will result in unemployment;
 - (2) Whether additional members have been added to the household;
 - (3) Whether any additional landscaped property has been added to the property since the corresponding billing period of the prior calendar year;
 - (4) Changes in vacancy factors in multifamily housing;
 - (5) Increased number of employees in commercial, industrial, and governmental offices;
 - (6) Increased production requiring increased process water;
 - (7) Water uses during new construction;
 - (8) Adjustments to water use caused by emergency health or safety hazards;
 - (9) First filling of a permit-constructed swimming pool; and
 - (10) Water use necessary for reasons related to family illness or health.

- (c) In order to be considered, an application for relief must be filed with the City within fifteen (15) days from the date the provision from which relief is sought becomes applicable to the applicant. No relief shall be granted unless the person shows that he or she has achieved the maximum practical reduction in water consumption other than in the specific areas in which relief is being sought. No relief shall be granted to any person who, when requested by the City Engineer, fails to provide any information necessary for resolution of the person's application for relief.

Section 8. Failure to Comply

- (a) Violation by any person of the water use prohibitions of Section 3, or subsection (b) of Sections 4,5 and 6, shall be penalized as follows:
- (1) First violation. The City shall issue a written notice of the fact of a first violation to the person.
 - (2) Second violation. For a second violation during any one water shortage emergency, the City shall impose a surcharge in the amount equal to thirty percent (30%) of the person's water bill.
 - (3) Third and Subsequent Violations. For a third and each subsequent violation during any one water shortage emergency, the City shall install a flow restricting device of one (1) gallon per minute capacity for services up to one and one-half (1-1/2) inch size, and comparatively sized restrictors for larger services, on the service of the person at the premises at which the violation occurred for a period of not less than forty-eight (48) hours. The City shall charge the person the reasonable costs incurred for installing and for restoration of normal service. The charge shall be paid before normal service can be restored. In addition, the surcharge provided in subsection (b) (2) shall be imposed.
- (b) The City of Norwalk shall give notice of violation to the customer committing the violation as follows:
- (1) Notice of first violations of the water use prohibitions of Section 3 or of subsection (b) of Sections 4,5, and 6 shall be given in writing by regular mail.

- (2) Notice of second or subsequent violations of the water use prohibitions of Section 3 or of subsection (b) of Sections 4, 5 and 6 shall be given in writing in the following manner:
- (A) by giving the notice to the person personally;
 - (B) if the person is absent from or unavailable at the premises at which the violation occurred, by leaving a copy with some person of suitable age and discretion at the premises and sending a copy through the regular mail to the address at which the person is normally billed; or
 - (C) if a person of suitable age or discretion cannot be found, then by affixing a copy in a conspicuous place at the premises at which the violation occurred and also sending a copy through the regular mail to the address at which the person is normally billed.
- (c) The notice shall contain a description of the facts of the violation, a statement of the possible penalties for each violation and a statement informing the person of his right to a hearing on the merits of the violation pursuant to Section 9.

Section 9. Hearing Regarding Violations

- (a) Any person receiving notice of a second or subsequent violation of sections 4(b), 5(b), or 6(b) shall have a right to a hearing by the City Engineer within fifteen (15) days of mailing or other delivery of the notice of violation.
- (b) The person's timely written request for a hearing shall automatically stay installation of a flow-restricting device on the person's premises until the City Engineer renders his or her decision.
- (c) The person's timely written request for a hearing shall not stay the imposition of a surcharge unless within the time period to request a hearing, the person deposits with the City money in the amount of any unpaid surcharge due. If it is determined that the surcharge was wrongly assessed, the City will refund any money deposited to the person.
- (d) The decision of the City Engineer may be appealed to the City Council of the City of Norwalk.

- (e) The decision of the City Council of the City of Norwalk shall be final except for judicial review.
- (f) The City Engineer may delegate his other duties and responsibilities under this section as appropriate.

Section 10. Additional Water Shortage Measures

The City of Norwalk may order implementation of water conservation measures in addition to those set forth in Sections 4, 5, and 6. Such additional water conservation measures shall be implemented in the manner provided in Section 2(b).

Section 11. Public Health and Safety Not to be Affected

Nothing in this ordinance shall be construed to require the City of Norwalk to curtail the supply of water to any person when such water is required by that person to maintain an adequate level of public health and safety.

Section 12. Severability

If any part of this ordinance or the application thereof to any person or circumstances is for any reason held invalid by a court of competent jurisdiction, the validity of the remainder of the ordinance or the application of such provision to other persons or circumstances shall not be affected.

Section 13. Effective Date

This Ordinance shall be effective thirty (30) days after its adoption.

The City Clerk shall certify to the same and cause it to be published in the Herald American, a newspaper of general circulation, circulated in the City of Norwalk, within fifteen (15) days following its adoption.

PASSED, APPROVED AND ADOPTED THIS _____ DAY OF _____, 1991.

LUIGI A. VERNOLA, MAYOR
NORWALK, CALIFORNIA

ATTEST:

MARY K. PAXON, CITY CLERK

APPENDIX C

RESOLUTION NO. 4195

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NORWALK ADOPTING AN AMENDMENT TO THE URBAN WATER MANAGEMENT PLAN

WHEREAS, the California Legislature enacted Assembly Bill 11 during the 1991-1992 Regular Session of the California Legislature (Water Code Section 10610 et. seq.) which mandates that each urban water supplier prepare and adopt an urban water management plan which includes an urban water shortage contingency plan with up to a 50% reduction in water supply; and

WHEREAS, AB 11 requires that said Plan be adopted and filed with the California Department of Water Resources within thirty days of adoption; and

WHEREAS, the City of Norwalk did prepare and file an Urban Water Management Plan with the California Department of Water Resources in December 1985, and an updated Plan in 1990; and

WHEREAS, AB 11 requires that said Plan be periodically reviewed at least once every five years, and that the urban water supplier shall make any amendments or changes to its plan which are indicated in the review; and

WHEREAS, the City of Norwalk is an urban supplier of water providing water to over 14,000 customers and has therefore, prepared and circulated for public review a Draft Water Shortage Contingency Plan in compliance with the requirements of AB 11, and a properly noticed public hearing regarding said Draft Plan Update was held by the City Council on _____, 1992 and a Final Plan prepared.

NOW, THEREFORE, BE IT RESOLVED:

by the City Council of the City of Norwalk that the Urban Water Management Plan Update (Water Shortage Contingency Plan) is hereby adopted and ordered filed with the City Clerk.

PASSED, APPROVED AND ADOPTED THIS 21ST DAY OF JULY, 1992.

**ROBERT J. ARTHUR, MAYOR
NORWALK, CALIFORNIA**

ATTEST:

**ROSEMARY C. SHANNON
ACTING CITY CLERK**