### **Project Summary and Justification**

Department	Public Utilities
Division	Water Supply & Distribution

The 2005-2011 Capital Improvement Program for the Lincoln Water System has been prepared and updated based upon information and recommendations contained in the 2002 Comprehensive Plan and the 2002 Water Master Plan. These documents are based upon the need to eliminate or reduce existing system deficiencies, replace deteriorating infrastructure, and the need to construct capital facilities in order to ensure that the citizens of the City of Lincoln are supplied with an adequate quantity of high quality water. It is important that these capital improvements be planned judiciously and implemented on a timely basis to provide assurances of meeting these objectives.

### Project 1 General System Improvements

- a. Security Upgrade
  - To enhance the security of critical water infrastructure.
- b. Facilities Master Plan To update the 2002 Master Plan with respect to planned improvements and community growth, required every five years.
- Preliminary Design & Engineering Support To provide for efforts not directly related to funded projects, i.e., aerial photos, contours, GIS map conversions, etc.

### Project 2 Water Supply: Wells, Treatment, and Transmission

- a. Control System Upgrade To replace or upgrade hardware, software, and communication wires at treatment plant, scheduled with plant expansion.
- b. Additional Supply To continue to provide water rights, evaluate existing supply capacity, and plan for supply beyond existing facilities.
- c. Infrastructure Rehabilitation To make minor improvements to existing production facilities such as windows, doors, gutters, etc.
- d. Treatment Plant Expansion To provide at least a 25 MGD increase to existing capacity of 110 MGD to water treatment plant.
- e. Water Supply Wells To provide at least a 25 MGD increase to existing capacity of 110 MGD to water supply wells.

### Project 3 Storage Reservoirs

 a. Floating Storage Reservoir - Cheney Booster District To construct a new elevated storage reservoir near 84<sup>th</sup> and Yankee Hill to provide fire storage and reliability to growth areas in SE Lincoln.

### Project 4 Pump Stations

(No Pump Stations in this CIP.)

### **Project Summary and Justification (cont.)**

Department	Public Utilities
Division	Water Supply & Distribution

#### Project 5 Major Transmission Mains

a. Transmission Main to Lincoln

To construct water transmission main to increase capacity above existing 100 MGD to meet growth needs of the city.

 Transmission Main, NE to Vine - Carlos & Eastborough to 88<sup>th</sup> & Holdrege To construct transmission main in developing areas near 84<sup>th</sup> & Holdrege prior to full build out of commercial development.

#### Project 6 Selected Replacement of Water Facilities or Mains such as:

To replace water distribution mains that have served their useful life. Selection is based on deteriorated condition, opportunity to coordinate with major road project, roadway rehabilitation, or community redevelopment. These projects should improve local water quality and distribution reliability, enhance fire protection, and help avoid disruption to the traveling public.

- a. GIS Data Conversion
- b. "O" St., 33<sup>rd</sup> to 48<sup>th</sup>
- c. 48<sup>th</sup>, "O" to "L"
- d.  $10^{\text{th}}$ , High to Arapahoe
- e. 17<sup>th</sup>, "O" to "R"
- f. Air Park Area Mains
- g. Replacement of inoperable distribution valves at various locations

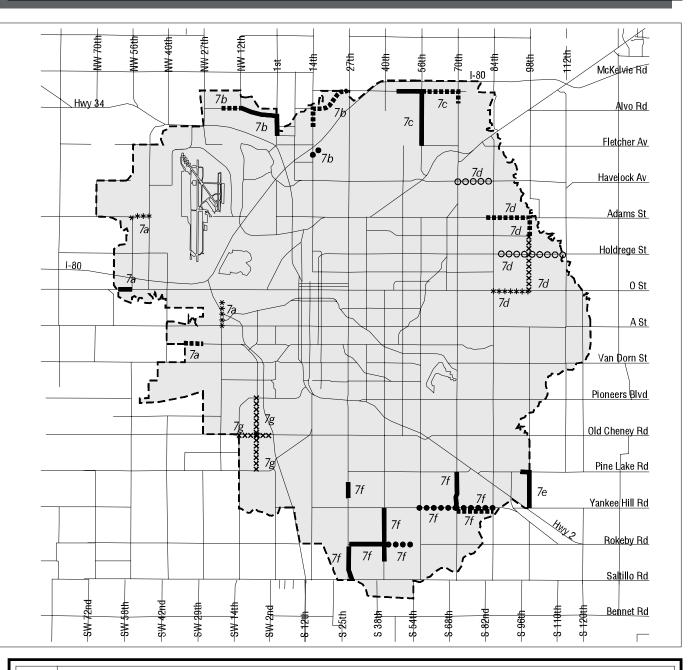
### Project 7 Distribution Mains - Listed by Impact Fee Benefit Area

To construct water distribution mains such as the following to serve the growth areas as provided in the Comprehensive Plan, coordinated with development and paving schedules where possible. Funds are appropriated for each benefit area to provide flexibility to construct mains as growth and development occur.

- a. Mains in Area #1
  - South St., SW 27<sup>th</sup> to SW 33<sup>rd</sup>
  - West "O" Street, NW 56<sup>th</sup> west
  - W. Adams, NW 48<sup>th</sup> to NW 56<sup>th</sup>
  - Coddington, "L" to Millstone
- b. Mains in Area #2
  - Alvo, NW 12<sup>th</sup> to NW 27<sup>th</sup>
  - Fletcher,  $14^{\text{th}}$  to  $17^{\text{th}}$
  - 14<sup>th</sup> & Alvo to N 27<sup>th</sup> & Arbor
  - <sup>1 st</sup> & Arbor to NW 12<sup>th</sup> & Alvo to US 34
- c. Mains in Area #3
  - Arbor,  $40^{\text{th}}$  to  $56^{\text{th}}$
  - Arbor,  $56^{\text{th}}$  to  $70^{\text{th}}$  to 1/4 mile south
  - 56<sup>th</sup>, Fletcher to Arbor

Projec	Summary and Justification (cont.)	
Depar	nent Public Utilities	
Divis	n Water Supply & Distribution	
d.	Iains in Area #4 Adams, 81 <sup>st</sup> to 98 <sup>th</sup> to Leighton Havelock, 70 <sup>th</sup> to 84 <sup>th</sup> Holdrege, 88 <sup>th</sup> to Stevens Creek 98 <sup>th</sup> , Leighton to "O" St.	
e.	"O" St., 84 <sup>th</sup> to 98 <sup>th</sup> fains in Area #5 98 <sup>th</sup> , Pine Lake to Yankee Hill	
f.	fains in Area #6Rokeby, 27th to 40th27th, Rokeby to Satillo40th, Yankee Hill to 1/2 mile south or RokebyRokeby, 40th to 48thYankee Hill, 56th to 84thYankee Hill, 70th to 84th70th, Pine Lake to Yankee Hill84th, Amber Hill to Cheney Booster Reservoir	
g.	Iains in Area #7 Folsom, Pioneers to Old Cheney, 1 <sup>st</sup> to 14 <sup>th</sup> Folsom, Old Cheney to W. Denton Old Cheney, 1 <sup>st</sup> to 14 <sup>th</sup>	
<b>Project</b> a.	<b>Distribution Capacity/Subsidies to Street Construction</b> vistribution System Capacity Cost o provide for subsidy to developer to construct 12-inch mains on half n dequate flow for fire protection and to subsidize costs over the maximum vater districts.	
b.1.	ubsidies to Street Construction o pay for the cost of relocating mains that conflict with roadway line ar rojects.	ıd grade on Major Road
b.2.	ubsidies to Antelope Valley o pay for the cost of relocating mains that conflict with roadway and ch intelope Valley Projects.	annel line and grade on





## Lincoln's Future Service Limit Shown as Gray

e	Map prepared by City - Co. Planning Dept
8	GIS Section
e	W E
n	s s
d	M I L E S 0 1 2 3

## Symbol for Fiscal Years

	2005 - 2006
	2006 - 2007
•••••	2007 - 2008
0000000	2008 - 2009
****	2009 - 2010
*****	2010-2011

#### The year shown on this map reflects the year of estimated project completion. Consult the detailed project descriptions and funding schedule for further information.

(04/14/05)

(satchel/cip/cip05/water05.aml)

L

## List of Projects

Department: Public Utilities/Water Supply and Distribution

### Project

1\*

Number Project Title

2*	Water Supply - Wells, Treatment, and Transmission
3*	Storage Reservoirs
4*	Pump Stations
5*	Major Mains
6*	Selected Replacement of Mains
7	Distribution Mains
8*	Distribution Capacity/Subsidies to Street Construction

General System Improvements

\*Indicates project is NOT shown on the map.

2005 - 2011 CAPITAL IMPROVEMENT PROGRAM

## DEPARTMENT:PUBLIC UTILITIESDIVISION:WATER SUPPLY & DISTRIBUTION

FORM A

(1)	(2)	(3)	3% Inflation per	year	(4)			
				PROGRAMMED E	XPENDITURES & F	UNDING SOURCES	(FS) (000's)	
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	2005-2006 FS	2006-2007 FS	2007-2008 FS	2008-2009 FS	2009-2010 FS	2010-2011 FS
1	General System Improvements a. Security Upgrade - 701222	А	1,000.0 RB	1,000.0 RB				
	b. Facilities Master Plan	в		440.0 RB				
	c. Preliminary Design & Engineering Support - 506005	A	30.0 UR	30.0 UR	50.0 UR	50.0 UR	50.0 UR	50.0 UF
	TOTAL PROJECT 1		1,030.0	1,470.0	50.0	50.0	50.0	50.0
2	Water Supply - Wells, Treatment & Trans							
	a. Control System Upgrade - Ashland	A					960.0 UR	
	b. Additional Supply - Ashland - 506010	A	300.0 RB	300.0 RB	300.0 RB	300.0 RB	300.0 UR	300.0 RI
	c. Infrastructure Rehab	A	80.0 UR	60.0 UR	60.0 UR	65.0 UR	65.0 UR	70.0 UF
	d. Treatment Plant Expansion (25+ MGD)	А				1,670.0 RB	6,950.0 RB	7,960.0 RI
	e. Water Supply Wells (25+ MGD)	A			840.0 RB	680.0 IF 4,150.0 RB	730.0 IF 4,220.0 RB	
	TOTAL PROJECT 2		380.0	360.0	1,200.0	6,865.0	13,225.0	8,330.0
3	Storage Reservoirs a. Floating Storage Reservoir - C B S - 84th & Yankee Hill Road - 701825	A	500.0 RB	3,340.0 RB				
	TOTAL PROJECT 3		500.0	3,340.0				
4	Pump Stations No Pump Stations in this CIP							
5	Major Mains							
	<ul> <li>a. Transmission Main to Lincoln - Greenwood - NE - 506212</li> <li>b. Transmission Main to Lincoln - NE - Vine - 506212 Carlos &amp; Eastborough to 88th &amp; Holdrege</li> </ul>	A	990.0 RB 410.0 IF 500.0 RB	550.0 IF	9,870.0 RB 630.0 IF	6,100.0 RB		
	TOTAL PROJECT 5		1,900.0	5,200.0	10,500.0	6,100.0		

133									
	FORM B								
						1	1		
(1)			(11)				(10)	(9)	(8)
	(000's)	ENDITURES (	-YFAR FXPF	INS FOR SIX	BREAKDOW	COST			TOTAL
	(			LAND			STATUS	СОМР	CAP COSTS
PROJ.	OTHER	EQUIP /		ACQUISI-	FINAL	PRELIM	OF	PLAN	(000's)
NO.	(EXPLAIN)	FURNISH	CONST	TION	PLANS	PLANS	PLANS	CONFORM	(5)+(6)+(7)
1			3,195.0		355.0		2	GCP	2,500.0
						440.0	0	GCP	440.0
						260	0	GCP	260.0
2									

	соѕт		TOTAL			COST	BREAKDOW	NS FOR SIX	-YEAR EXPE	ENDITURES	(000's)	
TOTAL FOR SIX YEARS	BEYOND 2010-2011	PRIOR APPROPRIATIONS	CAP COSTS (000's)	COMP PLAN	STATUS OF	PRELIM	FINAL	LAND ACQUISI-		EQUIP /	OTHER	PROJ.
(000's)	(000's)	(000's) YEAR FS	(5)+(6)+(7)	CONFORM	PLANS	PLANS	PLANS	TION	CONST	FURNISH	(EXPLAIN)	<b>NO</b> .
2,000.0	NA	500.0 03-04 1,050.0 04-05	2,500.0	GCP	2		355.0		3,195.0			I
440.0	Ongoing	NA	440.0	GCP	0	440.0						
260.0	Ongoing	NA	260.0	GCP	0	260						
2,700.0												2
960.0	Ongoing	NA	960.0	GCP	1	96.0			864.0			
1,800.0	Ongoing	NA	1,800.0	GCP	0	1,800.0						
400.0	Ongoing	NA	400.0	GCP	1	40.0			360.0			
17,990.0	890.0	None	18,880.0	GCP	2	1,888.0			16,992.0			
9,210.0	None	None	9,210.0	GCP	2	921.0			8,289.0			
30,360.0												3
3,840.0	None	None	3,840.0	GCP	2	384.0			3,456.0			Ĵ
3,840.0												4
												5
20,000.0	None		20,000.0	GCP	2	2,000.0			18,000.0			
3,700.0			3,700.0	GCP	2	370.0			3,330.0			
23,700.0												
					I			1	I	I	Page I-1	(b)

(7)

(5)

(6)

### DEPARTMENT: PUBLIC UTILITIES

#### 2005 - 2011 CAPITAL IMPROVEMENT PROGRAM

### DIVISION: WATER SUPPLY & DISTRIBUTION

FORM A

(1)	(2)	(3)	3% Inflation	per y	ear			(4)						
					PROGRAMMI	ED E	XPENDITURES	6 & Fl	JNDING SOUR	CES	(FS) (000's)			
ROJ. NO.	PROJECT TITLE	PROJ. PRIO.	2005-2006	FS	2006-2007	FS		FS		FS	2009-2010	FS	2010-2011	F
6	Selected Replacement of Mains such as	А			2,700.0	UR	760.0	UR	2,800.0	RB	2,830.0	RB	3,000.0	R
	#700210 - Projects such as:						1,990.0	RB			70.0	UR		
	a. GIS Data conversion		150.0	RB										
	b. "O" St, 33rd to 48th		950.0	RB										
	c. 48th, "O" to "L"		200.0	RB										
	d. 10th, High to Arapahoe		200.0	RB										
	e. 17th, "O" to "R"		50.0	RB										
	f. Air Park area		800.0	RB										
	g. Inoperable valves at various locations		250.0	RB										
	TOTAL PROJECT 6		2,600.0		2,700.0		2,750.0		2,800.0		2,900.0		3,000.0	1
7	Distribution Mains such as:													
'	a. Mains in Area #1 - 703100	А												
	South St, SW 27th to SW 33rd Bel	A			250.0	БВ								
*	West "O" St, NW 56th St west		200.0	RB	250.0	RD								
	West Adams, NW 48th to NW 56th Bel		200.0										500.0	R
	Coddington, "A" to "O" Bel												800.0	R
	b. Mains in Area #2 - 703200	А												
	Alvo, NW12th to NW 20th NWB				300									
					000	UIX								
	Fletcher, 14th to 17th Bel						150.0	UR						
	14th & Alvo to N 27th & Arbor Bel				150.0	IF								
					2,250.0	RB								
					159.0	DC								
	1st & Arbor to NW 12th & Alvo to US 34 NWB		780.0	RB							600.0	UR		
											120.0	IF		
	c. Mains in Area #3 - 703300	А												
	Arbor, 40th to 56th LD		380.0	RB										
	Arbor, 56th to 70th to 1/4 mile south LD				650.0	UR								
					130.0	RB								
					30	IF								
	56th, Fletcher to Arbor LD		1,200.0	RB										
			70.0	IF										
	d. Mains in Area #4 - 703400	А												
	Adams, 81st to 87th, 91st to 98th to Leighton HD				750.0	UR								
					100.0	IF								
	Havelock, 70th to 84th LD								810.0	RB				
	Holdrege, 88th to Stevens Creek HD								170.0	RB				
									1,110.0	UR				
									150.0	IF				
	98th, Leighton to "O" St HD										860.0	UR		
											240.0	IF		
	"O" St, 84th to 98th HD												1,150.0	) IF
													50.0	U

								135					
							FORM B						
(0)	(10)				(4.4.)			(1)					
(9)	(10)	(10) (11) COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)											
ОМР	STATUS			LAND									
LAN	OF	PRELIM	FINAL	ACQUISI-		EQUIP /	OTHER	PROJ.					
FORM	PLANS	PLANS	PLANS	TION	CONST	FURNISH	(EXPLAIN)	NO.					
iCP	1		1675.0		15,075.0			6					

	(5)	(6)	(7)	(8)	(9)	(10)				(11)		(1
BEYORD BEYOR (000)         PHORE (000)         CAP COT (000)         CAP COT (000)         CAP COT (000)         PALME (0000)         PALME		COST		TOTAL			COST	BREAKDOW	NS FOR SIX	-YEAR EXPE	(000's)	
news     news     reak	TOTAL FOR	BEYOND		CAP COSTS					LAND		· · · ·	PRO
B.55600Nome NomeNome Nome2200 22000GCP 2 										CONST		N
250.0         None         None         200.0         GCP         2         250.0         270.0         250.0         270.0 </td <td>16,750.0</td> <td>Ongoing</td> <td>NA</td> <td>16,750.0</td> <td>GCP</td> <td>1</td> <td></td> <td>1675.0</td> <td></td> <td>15,075.0</td> <td></td> <td>6</td>	16,750.0	Ongoing	NA	16,750.0	GCP	1		1675.0		15,075.0		6
250.0         None         None         200.0         GCP         2         250.0         270.0         250.0         270.0 </td <td></td>												
250.0         None         None         200.0         GCP         2         250.0         270.0         250.0         270.0 </td <td></td>												
250.0         None         None         200.0         GCP         2         250.0         270.0         250.0         270.0 </td <td></td>												
250.0         None         None         200.0         GCP         2         250.0         270.0         250.0         270.0 </td <td></td>												
250.0         Nome         Nome         260.0         GCP         2         25.0         225.0         225.0         225.0         225.0         225.0         225.0         225.0         225.0         225.0         225.0         225.0         225.0         225.0         25.0												
250.0         None         None         200.0         GCP         2         250.0         270.0         250.0         270.0 </td <td></td>												
250.0         None         None         200.0         GCP         2         250.0         270.0         250.0         270.0 </td <td></td>												
2000         None         None         2000         GCP         2         250         175.0           800.0         None         None         800.0         GCP         7         50.0         450.0           800.0         None         None         800.0         GCP         1         80.0         720.0           300.0         None         None         300.0         GCP         1         80.0         270.0           300.0         None         None         300.0         GCP         1         15.0         135.0           150.0         None         None         150.0         GCP         1         150.0         135.0           2,559.0         None         None         1,500.0         GCP         1         150.0         1,350.0           380.0         None         None         1,500.0         GCP         7         58.0         322.0           1,270.0         None         None         810.0         GCP         7         58.0         725.0           1,270.0         None         None         850.0         GCP         1         127.0         1,143.0           850.0         None         None         85	16,750.0											
2000         None         None         None         2000         GCP         2         250         175.0           800.0         None         None         None         800.0         GCP         7         50.0         450.0           800.0         None         None         None         800.0         GCP         1         80.0         720.0           300.0         None         None         None         300.0         GCP         1         80.0         270.0           150.0         None         None         150.0         GCP         1         150.0         135.0           2,559.0         None         None         150.0         GCP         1         150.0         135.0           380.0         None         None         1,500.0         GCP         1         150.0         1,350.0           380.0         None         None         1,500.0         GCP         7         58.0         322.0           1,270.0         None         None         1,270.0         GCP         7         127.0         1,143.0           850.0         None         None         850.0         GCP         2         85.0         765.0												
2000         None         None         2000         GCP         2         250         175.0           800.0         None         None         800.0         GCP         7         50.0         450.0           800.0         None         None         800.0         GCP         1         80.0         720.0           300.0         None         None         300.0         GCP         1         80.0         270.0           300.0         None         None         300.0         GCP         1         15.0         135.0           150.0         None         None         150.0         GCP         1         150.0         135.0           2,559.0         None         None         1,500.0         GCP         1         150.0         1,350.0           380.0         None         None         1,500.0         GCP         7         58.0         322.0           1,270.0         None         None         810.0         GCP         7         58.0         725.0           1,270.0         None         None         850.0         GCP         1         127.0         1,143.0           850.0         None         None         85												
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2,559.0NoneNone2,559.0GCP2255.92,303.11,500.0NoneNone1,500.0GCP1150.01,350.0380.0NoneNone380.0GCP758.0322.0100.0NoneNone810.0GCP281.0729.01,270.0NoneNone1,270.0GCP7127.01,143.01,270.0NoneNone810.0GCP285.0765.01,270.0NoneNone810.0GCP281.0729.01,430.0NoneNone1,430.0GCP2143.01,287.01,100.0NoneNone1,100.0GCP2110.0990.0	300.0	None	None	300.0	GCP	2		30.0		270.0		
2,559.0NoneNone2,559.0GCP2255.92,303.11,500.0NoneNone1,500.0GCP1150.01,350.0380.0NoneNone380.0GCP758.0322.0100.0NoneNone810.0GCP281.0729.01,270.0NoneNone1,270.0GCP7127.01,143.01,270.0NoneNone810.0GCP285.0765.01,270.0NoneNone810.0GCP281.0729.01,430.0NoneNone1,430.0GCP2143.01,287.01,100.0NoneNone1,100.0GCP2110.0990.0												
1,500.NoneNone1,500.GCP11500.1,500.380.0NoneNone380.0GCP758.0322.0810.0NoneNone810.0GCP281.0729.01,270.0NoneNone1,270.0GCP7127.01,143.0850.0NoneNone850.0GCP285.0765.0810.0NoneNone810.0GCP281.0729.01,430.0NoneNone810.0GCP285.0765.01,430.0NoneNone1,430.0GCP281.0729.01,430.0NoneNone1,430.0GCP281.0729.01,430.0NoneNone1,430.0GCP2143.01,287.01,400.0NoneNone1,100.0GCP2110.0990.0	150.0	None	None	150.0	GCP	1		15.0		135.0		
380.0NoneNone380.0GCP758.0322.0810.0NoneNone810.0GCP281.0729.01,270.0NoneNone1,270.0GCP7127.01,143.0850.0NoneNone850.0GCP285.0765.0810.0NoneNone850.0GCP285.0765.01,143.0None810.0GCP281.0729.01,430.0NoneNone810.0GCP281.0729.01,430.0None1,430.0GCP2143.01287.01,100.0NoneNone1,100.0GCP2110.0990.0	2,559.0	None	None	2,559.0	GCP	2		255.9		2,303.1		
380.0NoneNone380.0GCP758.0322.0810.0NoneNone810.0GCP281.0729.01,270.0NoneNone1,270.0GCP7127.01,143.0850.0NoneNone850.0GCP285.0765.0810.0NoneNone850.0GCP285.0765.01,143.0None810.0GCP281.0729.01,430.0NoneNone810.0GCP281.0729.01,430.0None1,430.0GCP2143.01287.01,100.0NoneNone1,100.0GCP2110.0990.0												
380.0NoneNone380.0GCP758.0322.0810.0NoneNone810.0GCP281.0729.01,270.0NoneNone1,270.0GCP7127.01,143.0850.0NoneNone850.0GCP285.0765.0810.0NoneNone850.0GCP285.0765.01,143.0None810.0GCP281.0729.01,430.0NoneNone810.0GCP281.0729.01,430.0None1,430.0GCP2143.01287.01,100.0NoneNone1,100.0GCP2110.0990.0	4 500 0	News	News	4 500 0	000			450.0		4 250 0		
810.0NoneNone810.0GCP281.0729.01,270.0None1,270.0GCP7127.01,143.0850.0None1,270.0GCP285.0765.0810.0None810.0GCP281.0729.01,430.0None810.0GCP281.0729.01,430.0None1,430.0GCP2143.01,287.01,100.0None1,100.0GCP2110.0990.0	1,500.0	None	None	1,500.0	GCP	1		150.0		1,350.0		
810.0NoneNone810.0GCP281.0729.01,270.0None1,270.0GCP7127.01,143.0850.0None1,270.0GCP285.0765.0810.0None810.0GCP281.0729.01,430.0None810.0GCP281.0729.01,430.0None1,430.0GCP2143.01,287.01,100.0None1,100.0GCP2110.0990.0												
1,270.0NoneNone1,270.0GCP7127.0117.01,143.0850.0NoneNone850.0GCP285.0765.0810.0NoneNone810.0GCP281.0729.01,430.0None1,430.0GCP2143.01,287.01,100.0None1,100.0GCP2110.0990.0	380.0	None	None	380.0	GCP	7		58.0		322.0		
1,270.0NoneNone1,270.0GCP7127.0117.01,143.0850.0NoneNone850.0GCP285.0765.0810.0NoneNone810.0GCP281.0729.01,430.0None1,430.0GCP2143.01,287.01,100.0None1,100.0GCP2110.0990.0	810.0	None	None	810.0	GCP	2		81.0		729.0		
850.0         None         None         850.0         GCP         2         850.0         765.0           810.0         None         None         810.0         GCP         2         81.0         729.0           1,430.0         None         None         1,430.0         GCP         2         143.0         1,287.0           1,100.0         None         None         1,100.0         GCP         2         110.0         990.0												
850.0         None         None         850.0         GCP         2         850.0         765.0           810.0         None         None         810.0         GCP         2         81.0         729.0           1,430.0         None         None         1,430.0         GCP         2         143.0         1,287.0           1,100.0         None         None         1,100.0         GCP         2         110.0         990.0												
810.0         None         None         810.0         GCP         2         81.0         729.0           1,430.0         None         None         1,430.0         GCP         2         143.0         1,287.0           1,100.0         None         None         1,100.0         GCP         2         110.0         990.0	1,270.0	None	None	1,270.0	GCP	7		127.0		1,143.0		
810.0         None         None         810.0         GCP         2         81.0         729.0           1,430.0         None         None         1,430.0         GCP         2         143.0         1,287.0           1,100.0         None         None         1,100.0         GCP         2         110.0         990.0												
1,430.0       None       None       1,430.0       GCP       2       143.0       1,287.0         1,100.0       None       None       1,100.0       GCP       2       110.0       990.0	850.0	None	None	850.0	GCP	2		85.0		765.0		
1,430.0       None       None       1,430.0       GCP       2       143.0       1,287.0         1,100.0       None       None       1,100.0       GCP       2       110.0       990.0	810.0	None	None	810.0	CCP	2		81.0		729.0		
1,100.0 None None 1,100.0 GCP 2 110.0 990.0	010.0	None	None	010.0	GCF	2		01.0		729.0		
	1,430.0	None	None	1,430.0	GCP	2		143.0		1,287.0		
	1.100.0	None	None	1,100.0	GCP	2		110.0		990.0		
1,200.0 None None 1,200.0 GCP 2 120.0 1,080.0	.,			.,								
	1,200.0	None	None	1,200.0	GCP	2		120.0		1,080.0		

### 2005 - 2011 CAPITAL IMPROVEMENT PROGRAM

# DEPARTMENT: PUBLIC UTILITIES DIVISION: WATER SUPPLY & DISTRIBUTION

FORM A

(1)	(2)	(3)	3% Inflation per year (4)											
		,	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)											
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	2005-2006	FS	2006-2007	ED E FS	2007-2008	5 & F FS	2008-2009	CES FS	2009-2010	FS	2010-2011	FS
7	Distribution Mains such as (continued):													
ſ	e. Mains in Area #5 - 703500	А												
ſ	98th, Pine Lake to Yankee Hill CB		1,010.0	RB										
ſ			70.0	IF										
ſ	f. Mains in Area #6 - 703600	А												
ſ	Rokeby, 27th to 40th HD		490.0	RB					420.0	UR				
ſ									40.0	IF				
	27th, Rokeby to Satillo HD		700.0	RB										
ſ			70.0	IF										
	40th, Yankee Hill to 1/2 mile so of Rokeby SE		700.0	RB										
	Rokeby, 40th to 48th SE						210.0	ΠR						
ſ							120.0							
	Yankee Hill, 56th to 84th SE						2,700.0							
ſ							220.0							
	Yankee Hill, 70th to 84th CB				700.0	UR								
I														
ſ	70th, Pine Lake to Yankee Hill SE		430.0	RB										
ſ			240.0	RB										
	84th, Amber Hill to Cheney Booster Reservoir CB				360.0	UR								
	27th, Kendra Ln to Jamie Ln HD		250.0	RB										
	a Maina in Araa # 7, 702700	,												
	g. Mains in Area # 7 - 703700	A									550.0	ш		
ſ	Folsom, Pioneers to Old Cheney Bel										550.0 150.0			
ſ	Folsom, Old Cheney to W Denton Bel										700.0			
l	· · · · · · · · · · · · · · · · · · ·													
	Old Cheney, 1st to 14th Bel										700.0	UR		
	TOTAL PROJECT 7		3,960.0		1,060.0		3,250.0		460.0		2,100.0		0.0	)
8	Distribution Capacity/Subsidies to Street													
ſ	Construction													
ſ	a. Distribution System Capacity Cost - 506050	A	340.0		350.0		370.0		380.0				420.0	
ſ	b.1 Subsidies To Street Construction - 701690	A	350.0		450.0		400.0		100.0 400.0		500.0		380.0	
	b.2 Subsidies to Antelope Valley - 701690	A	400.0	UR	50.0	UR	100.0	UR	400.0	UR	150.0	UR	120.0	J UF
	TOTAL PROJECT 8		1,090.0		850.0		870.0		880.0		1,050.0		920.0	)
	FUNDING SOURCE BREAKDOWN:													
	DC (Developer's Contribution)		0.0		159.0		0.0		0.0		0.0		0.0	)
	RB (Revenue Bonds)		12,270.0		12,360.0		13,000.0		16,000.0		14,000.0		12,560.0	
I	UR (Utility Revenue)		1,200.0		6,400.0		4,920.0		2,525.0		5,905.0		1,090.0	)
ĺ	IF (Impact Fee Revenue)		620.0		830.0		850.0		870.0		1,240.0		1,150.0	
	DIVISION TOTALS		14,090.0		19,749.0		18,770.0		19,395.0		21,145.0		14,800.0	
, I														

FORM	B	

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(5)	(6)	(7)		(8)	(9)	(10)	(11)						
	соѕт			TOTAL	COMP PLAN CONFORM		COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						
TOTAL FOR SIX YEARS (000's)	BEYOND 2010-2011 (000's)	PRIOR APPROPRIATIO (000's)	PRIOR CAP CO	CAP COSTS (000's) (5)+(6)+(7)		STATUS OF PLANS	PRELIM PLANS	FINAL PLANS	LAND ACQUISI- TION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)	PROJ. NO.
													7
1,080.0	None	None		1,080.0	GCP	7		108.0		972.0			
950.0	None	None		950.0	GCP	2		95.0		855.0			
770.0	None	None		770.0	GCP	7		77.0		693.0			
700.0	None	None		700.0	GCP	2		70.0		630.0			
330.0	None	None		330.0	GCP	2		33.0		297.0			
2,920.0	None	None		2,920.0	GCP	2		292.0		2,628.0			
700.0	None	None		700.0	GCP	1		70.0		630.0			
670.0	None	None		670.0	GCP	2		67.0		603.0			
360.0	None	None		360.0	GCP	1		36.0		324.0			
250.0	None	None		250.0	GCP	7		25.0		225.0			
700.0	None	None		700.0	GCP	2		70.0		630.0			
700.0	None	None		700.0	GCP	2		70.0		630.0			
700.0	None	None		700.0	GCP	2		70.0		630.0			
10,830.0													
													8
2,260.0	Ongoing	NA		2,260.0	GCP			226.0		2,034.0			
2,180.0	Ongoing	NA		2,180.0	GCP			218.0		1,962.0			
1,220.0	Ongoing	NA		1,220.0	GCP			122.0		1,098.0			
5,660.0													
159.0													
80,190.0													
22,040.0													
5,560.0													
107,949.0													



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