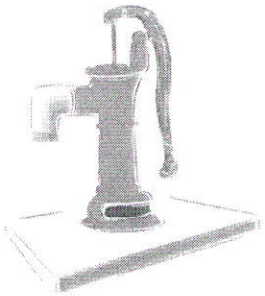
Inland Empire
UTILITIES AGENCY

Annual Water Production Summary Report for IEUA Service Area

FY 2001-02
Retail Agency
Monthly Water Production and
Five-Year History



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Preface

Over the years of water supply development, Californians have traditionally relied on large federal and state controlled projects to provide sufficient water to supplement regional and local groundwater production to meet increasing demands. Although this "centrally planned" method of meeting demand through increased supply worked well for most of the 20th Century, it is unlikely to work well in the future. There are far too many new demands on the Colorado River and the California State Water Project to continue to refer to these projects as "reliable" for local needs. The onus has now shifted to locally constructed and managed projects that not only result in new supplies of water, but also focus on protection of existing sources.

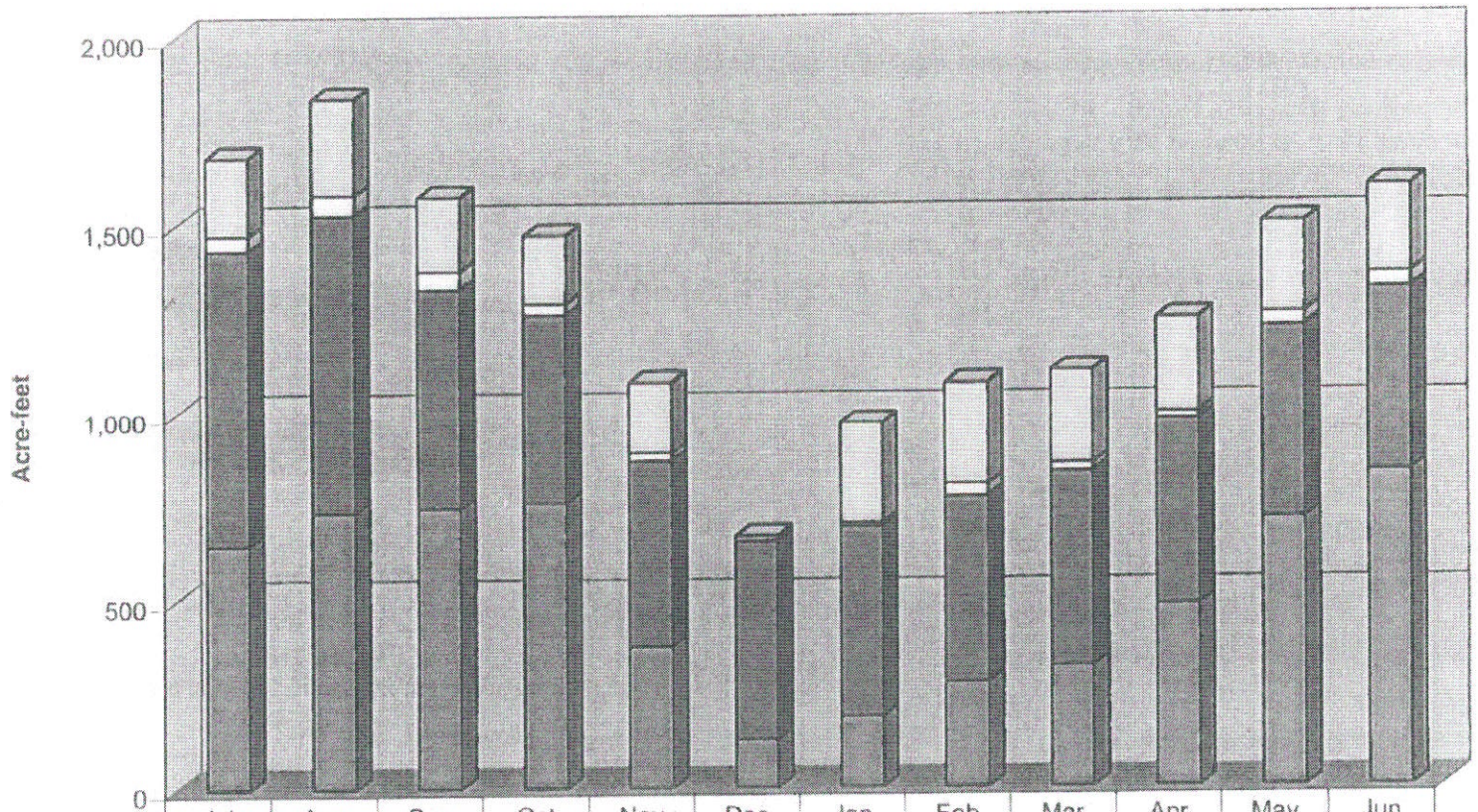
This shift in water supply management strategy creates a need for new information. Water agencies, particularly in high growth areas such as Inland Empire Utilities Agency (IEUA), need to understand the structure of the local water supply and demand picture. Once this is understood, IEUA and our retail agencies can then better plan and manage new projects to make our water supply resources as secure as possible thus supporting our retail agencies' goal of providing reliable, high quality water at a reasonable cost.

The purpose of this document then, is to collect and present the total water resources "mix" that the cities and water agencies depend upon to meet their needs for commercial, industrial, and residential water service demands.

This documents reflects the records currently held at the Chino Basin Watermaster (CBWM), IEUA, and member agencies. IEUA staff would like to express its appreciation for the effort by the water agencies within the IEUA service area and the CBWM in compiling this data. However, this summary may not have identified and captured all of the different 'streams' of water supply flowing into the IEUA service area. In particular, we need to properly show the in-flow of water "imported" from suppliers other than the Metropolitan Water District of Southern California (i.e., storm water capture, other basin sources, and transfers).

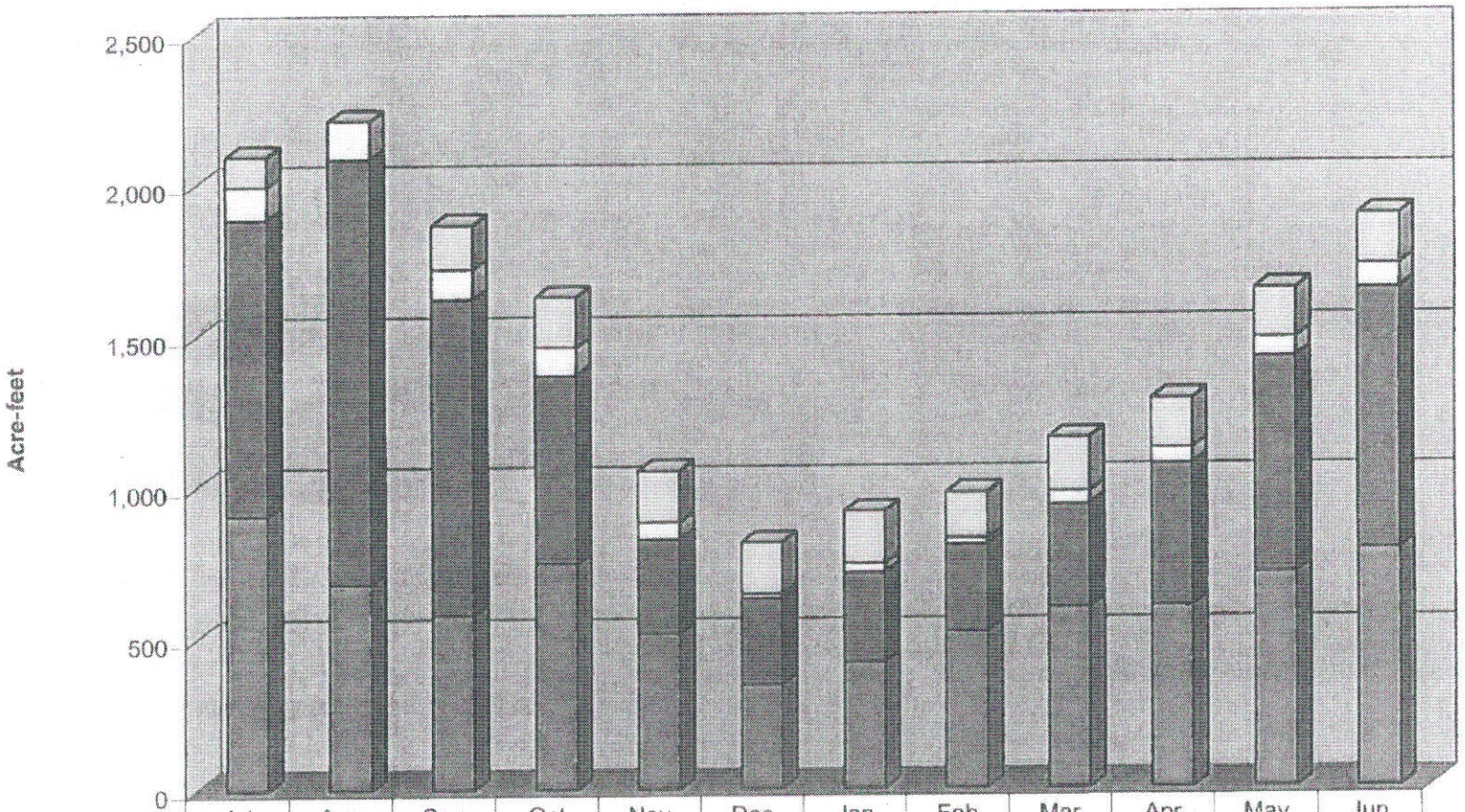
IEUA staff will continue to work with all agencies to provide as clear a picture as possible of the water resources available within the service area.

City of Chino
FY 01-02 Monthly Water Production



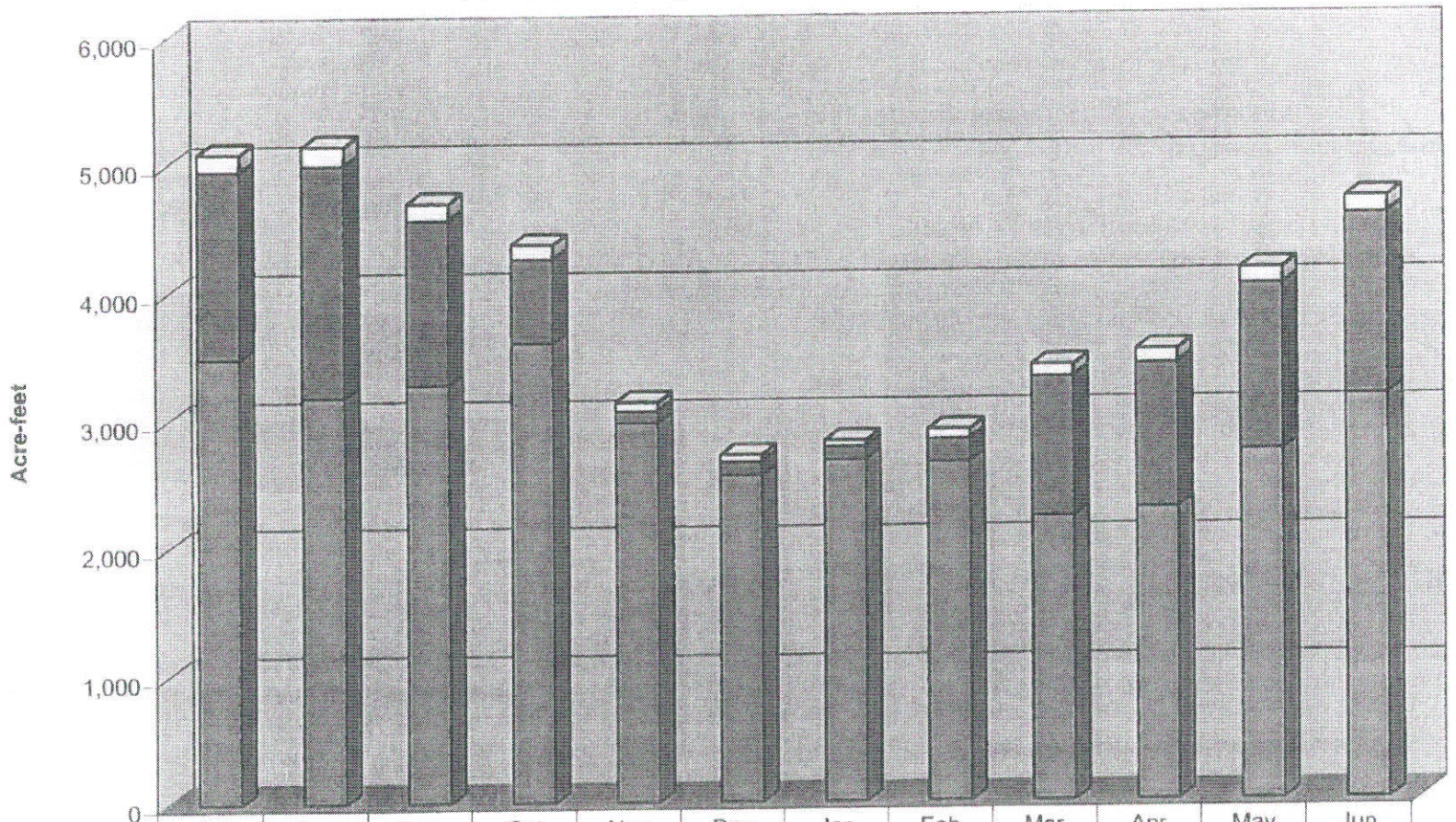
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Desalter Water	206.8	255.1	195.9	180.8	187.8	0.0	268.2	270.6	245.9	251.2	242.2	231.7
Recycled Water	39.3	52.8	48.1	30.4	22.5	14.8	8.3	33.6	23.2	18.1	35.6	41.1
Imported Water	787.2	794.0	585.8	502.1	494.3	525.5	504.1	492.2	515.7	493.8	511.2	487.2
Groundwater	647.1	732.7	742.6	757.4	374.2	127.5	187.8	277.6	319.1	480.9	709.5	832.6

City of Chino Hills
FY 01-02 Monthly Water Production



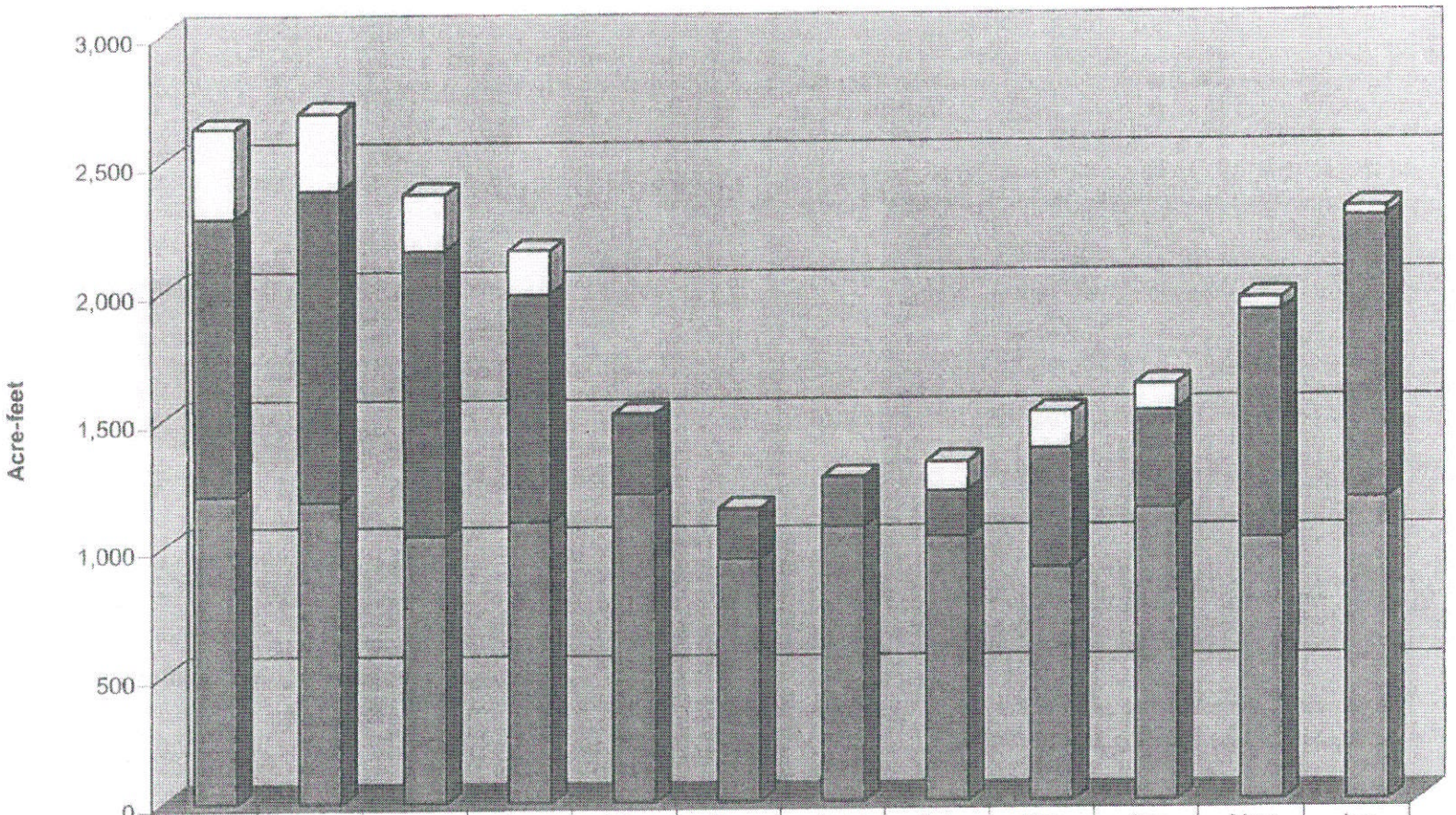
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Desalter Water	98.9	0.0	145.5	167.7	169.7	169.5	170.8	150.9	178.7	164.0	165.1	164.8
Recycled Water	109.0	127.4	98.3	93.4	58.5	15.7	32.5	22.5	42.5	53.8	65.6	78.9
Imported Water	982.3	1,405.4	1,044.7	622.4	308.1	280.4	291.6	281.0	338.2	464.8	710.3	864.7
Groundwater	903.3	678.5	576.4	743.5	512.6	344.2	416.9	517.9	592.7	596.7	703.6	778.4

City of Ontario
FY 01-02 Monthly Water Production



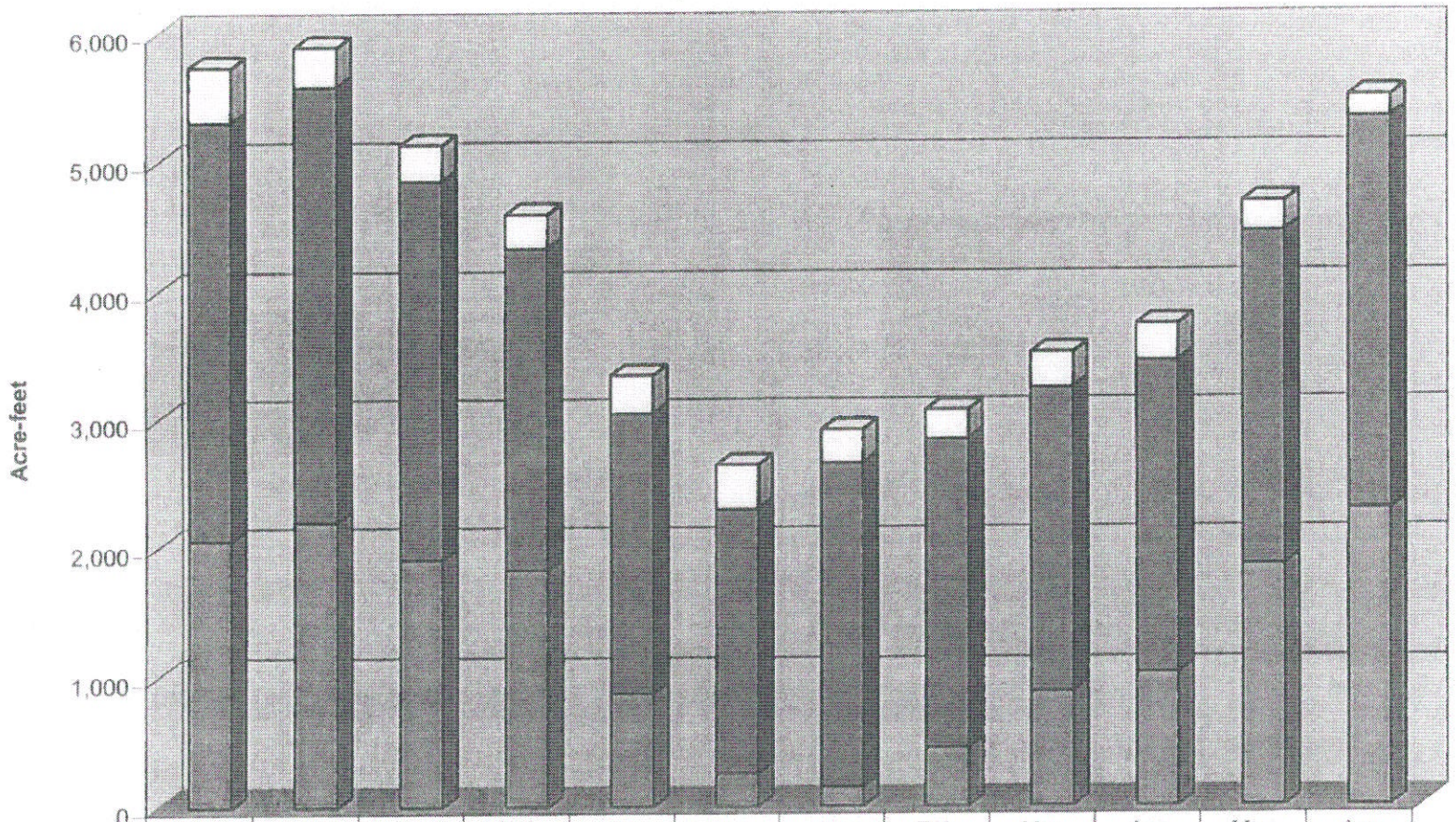
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Recycled Water	137.5	148.7	127.9	114.8	69.4	53.7	48.5	78.3	95.3	104.9	125.0	127.9
Imported Water	1,458.3	1,810.2	1,282.7	654.6	96.6	102.8	101.8	176.7	1,092.4	1,138.9	1,304.9	1,416.5
Groundwater	3,490.4	3,182.8	3,276.3	3,596.3	2,965.4	2,548.6	2,664.3	2,644.0	2,214.0	2,269.2	2,715.4	3,148.2

City of Upland
FY 01-02 Monthly Water Production



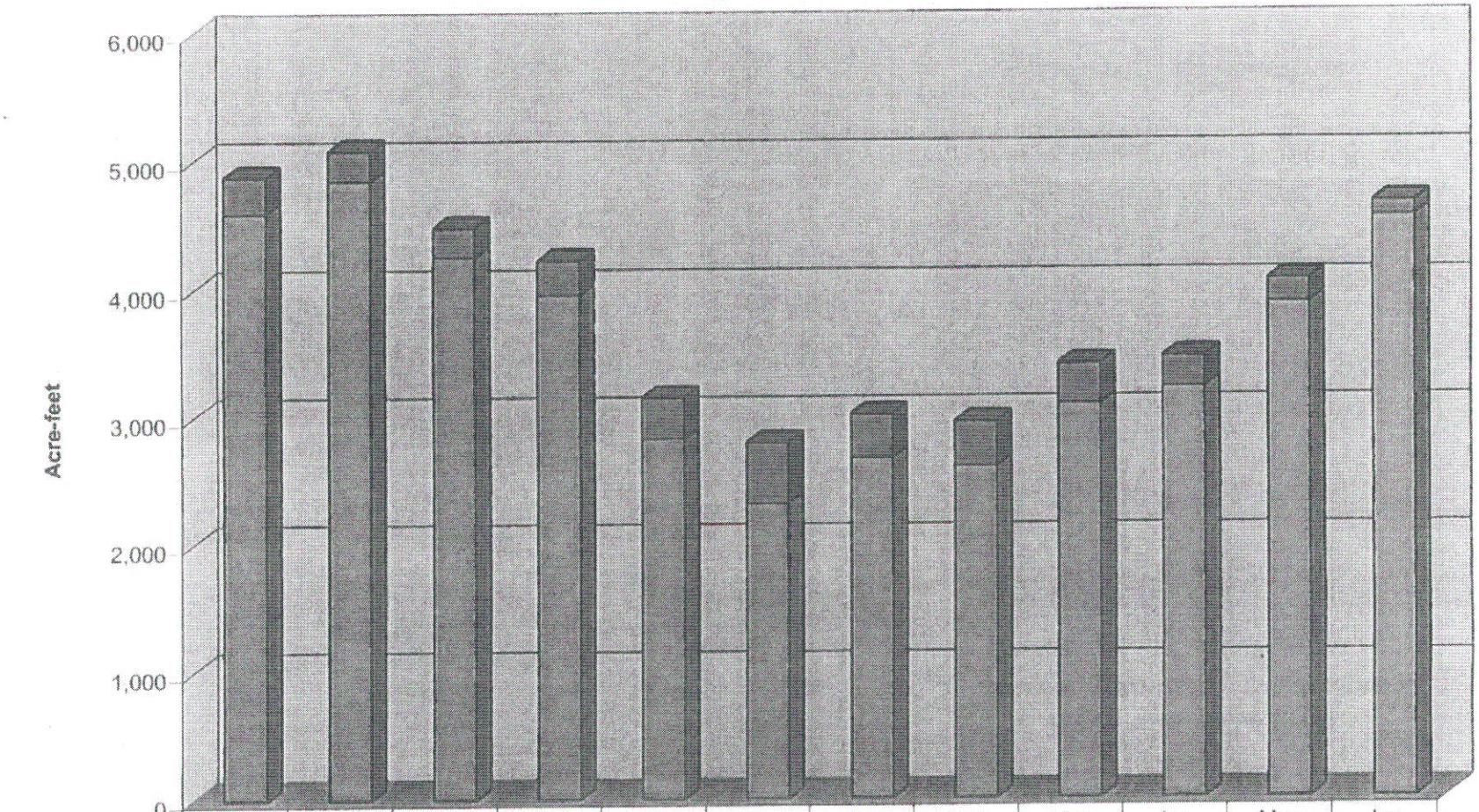
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Surface Water	349.5	301.9	220.7	172.5	5.7	0.0	0.0	115.7	144.0	102.4	50.4	36.5
Imported Water	1,083.1	1,212.6	1,112.5	889.3	309.8	193.5	192.6	174.3	460.0	382.9	886.6	1,100.8
Groundwater	1,197.2	1,176.5	1,041.8	1,094.4	1,200.3	946.6	1,071.2	1,032.4	910.5	1,135.1	1,019.8	1,171.8

Cucamonga County Water District
FY 01-02 Monthly Water Production



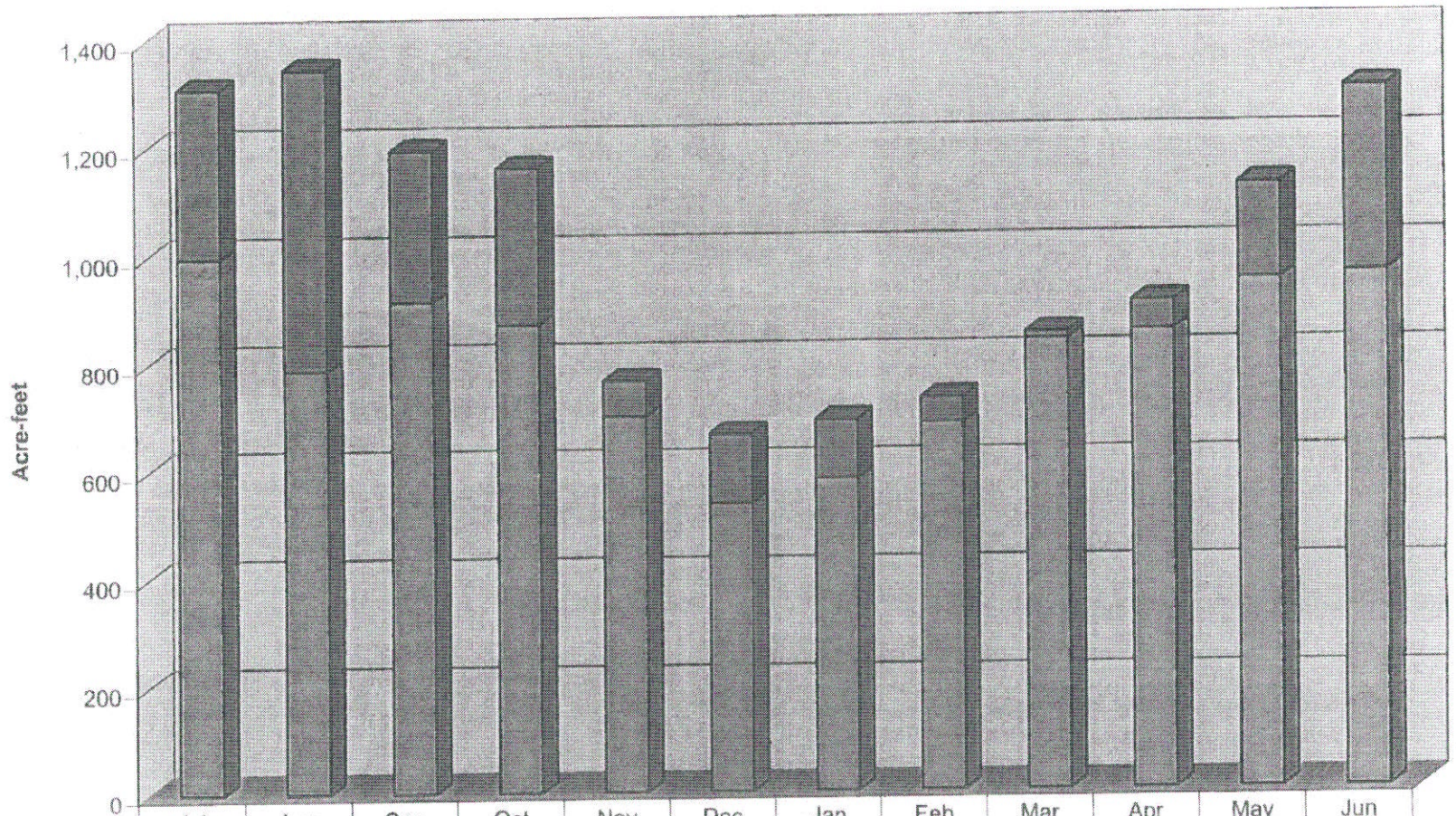
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Surface Flows	426.7	302.8	276.5	261.9	298.7	347.7	259.7	226.9	275.5	287.8	228.7	167.7
Imported Water	3,248.8	3,384.6	2,949.4	2,508.2	2,162.3	2,030.5	2,497.9	2,380.6	2,346.1	2,410.5	2,592.8	3,048.2
Groundwater	2,058.0	2,199.4	1,901.9	1,822.2	873.4	255.2	148.9	449.6	881.5	1,026.4	1,852.0	2,273.4

Fontana Water Company
FY 01-02 Monthly Water Production



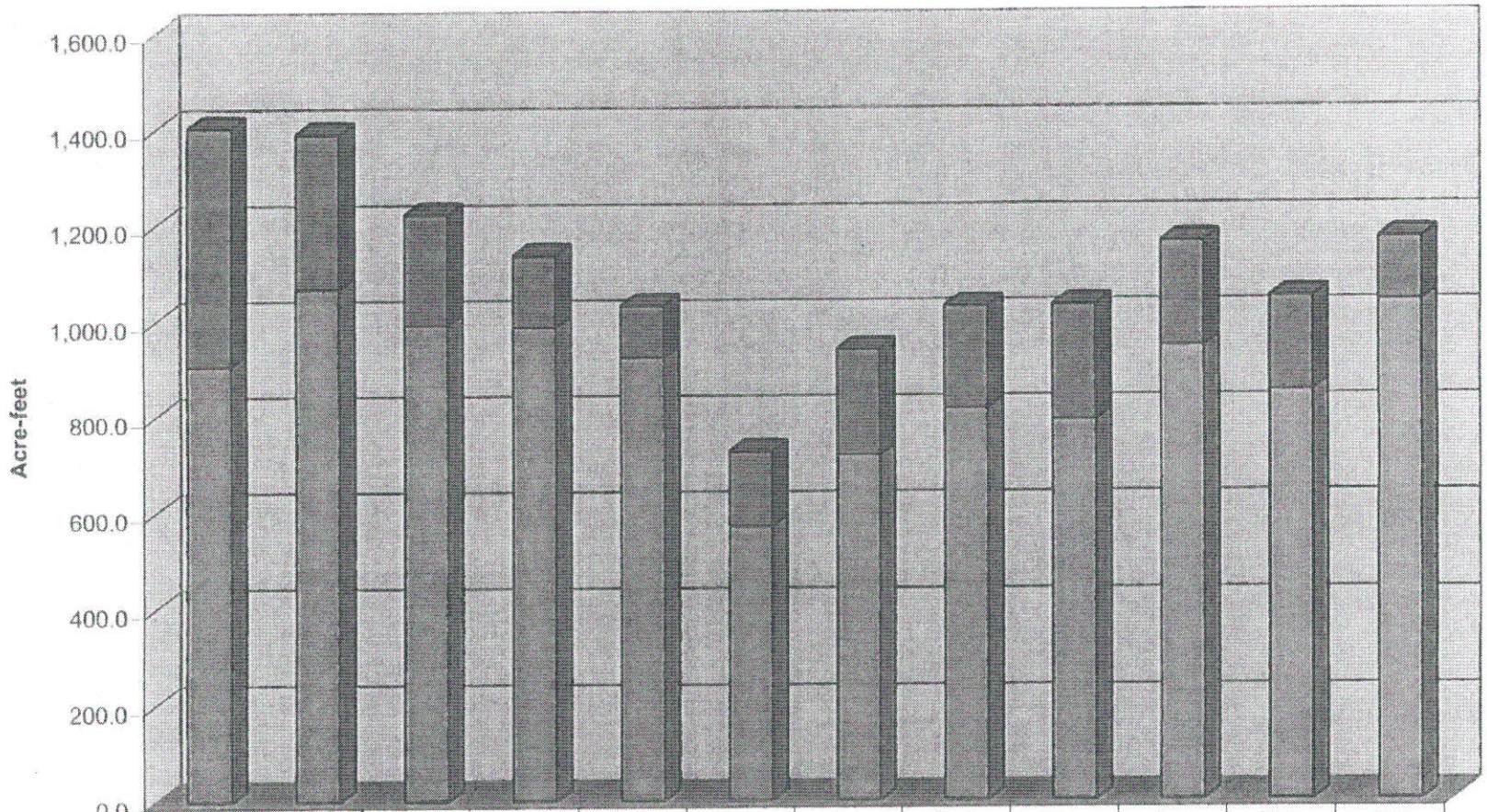
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Surface Water	283.1	238.2	225.6	270.2	330.3	475.6	346.3	347.6	313.5	239.6	180.9	110.4
Groundwater	4,594.0	4,842.3	4,254.5	3,953.0	2,816.2	2,310.7	2,663.4	2,596.4	3,086.0	3,216.6	3,876.5	4,546.5

Monte Vista Water District
FY 01-02 Monthly Water Production



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Imported Water	311.5	556.3	278.1	288.5	64.9	128.2	110.2	46.4	12.2	53.9	176.6	341.1
Groundwater	997.1	788.2	914.7	870.8	699.1	535.1	579.7	682.5	836.5	852.0	945.2	957.4

San Antonio Water Company
FY 01- 02 Monthly Water Production



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Imported Water	495.3	321.8	229.3	148.8	107.3	155.4	220.4	212.8	240.2	218.8	195.9	130.9
Groundwater	907.4	1,068.1	992.3	986.5	922.1	569.4	717.5	814.1	789.5	942.6	849.7	1,037.0

Inland Empire
UTILITIES AGENCY

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FY 2002-03
Retail Agency
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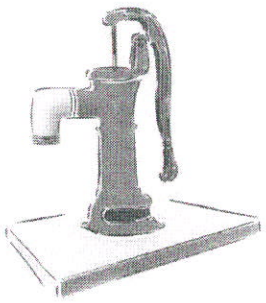
Five-Year History



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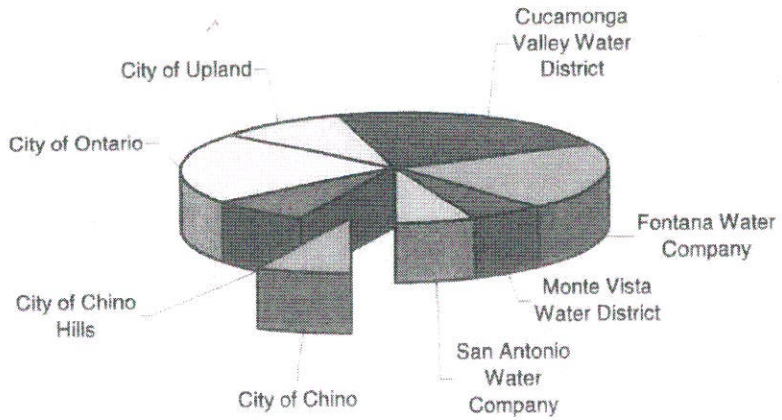
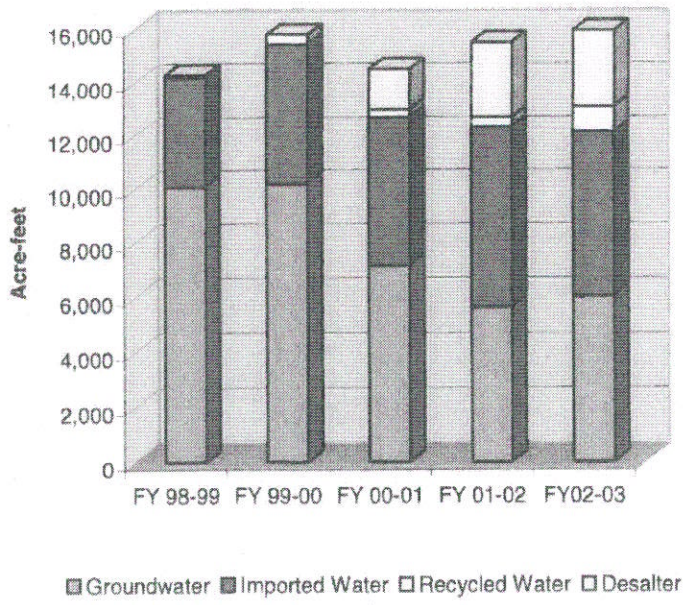
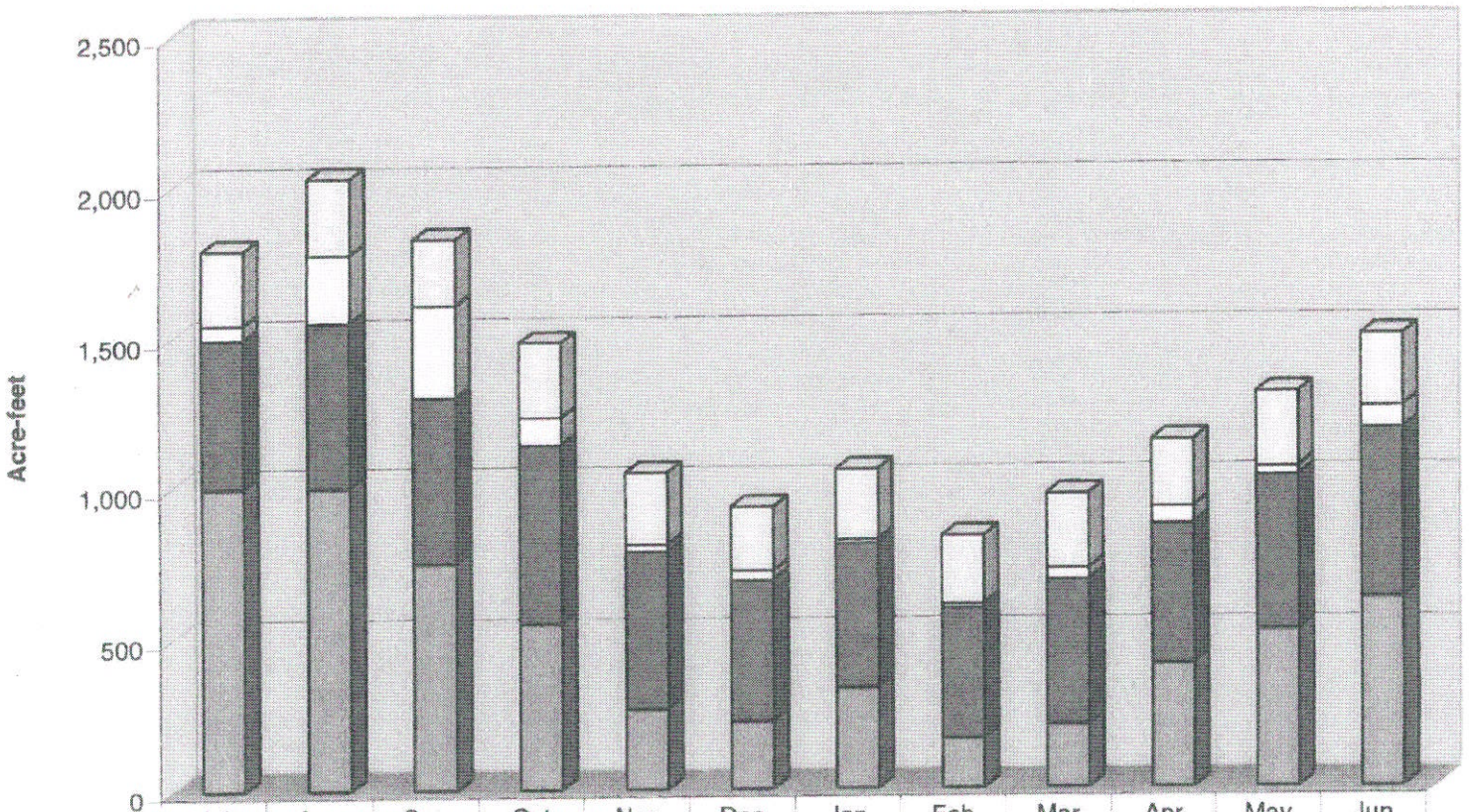


City of Chino
5 Year Water Use Summary

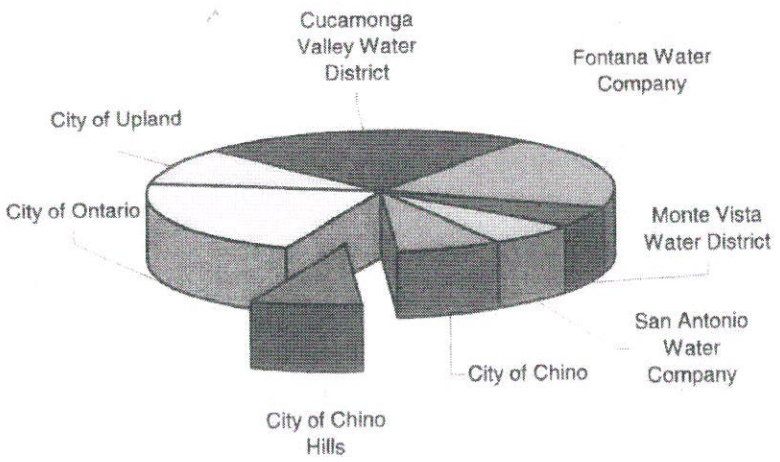


City of Chino
02-03 Monthly Water Use

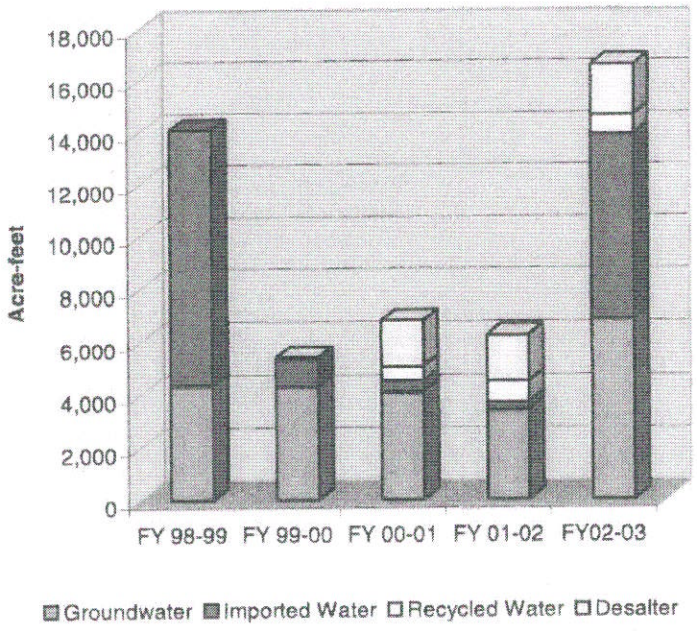


	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Desalter Water	247.4	251.1	220.5	252.7	237.1	210.8	230.4	226.9	244.0	221.1	250.0	242.7
Recycled Water	49.9	226.3	309.0	93.4	22.9	31.5	14.4	14.3	37.2	56.0	28.4	74.6
Imported Water	499.5	554.8	552.7	588.3	518.6	462.2	475.1	429.4	476.8	458.1	505.6	554.9
Groundwater	997.6	996.4	745.8	546.2	265.1	223.6	330.9	161.4	206.8	407.2	517.5	621.4

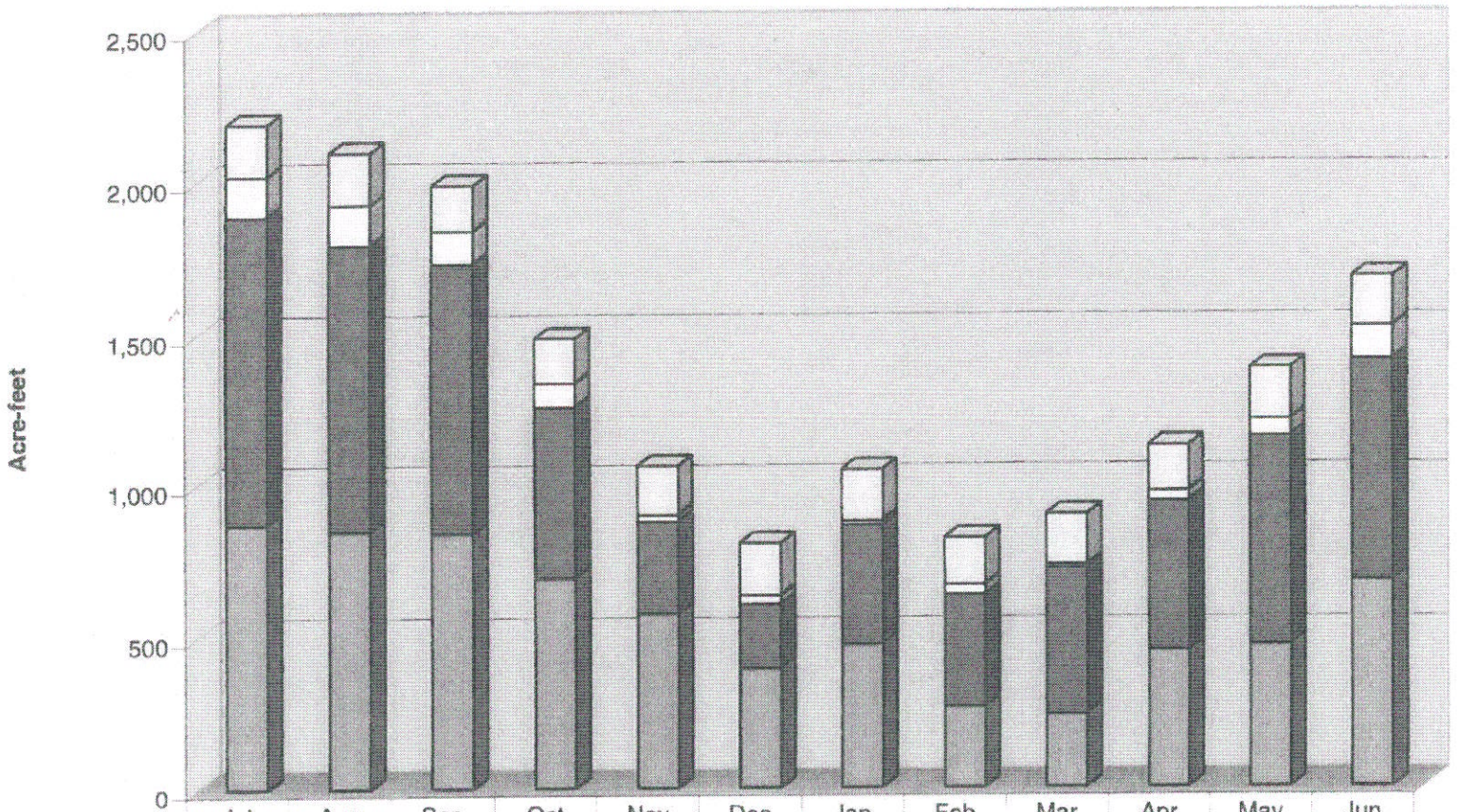
FY02-03
Total Water Usage Summary



City of Chino Hills
5 Year Water Use Summary

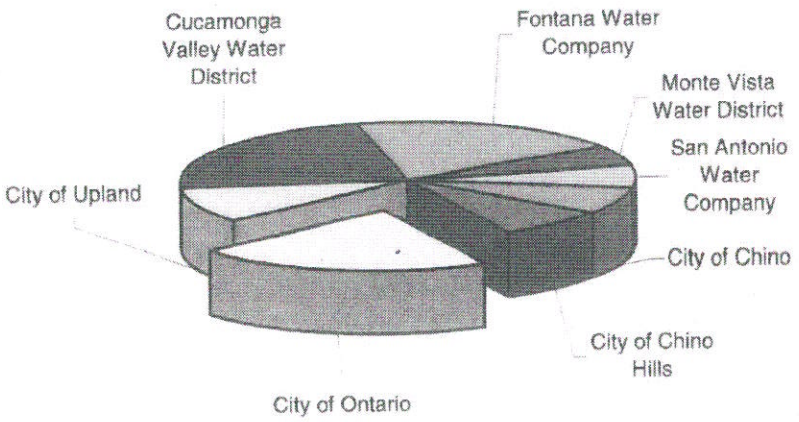


City of Chino Hills
02-03 Monthly Water Use

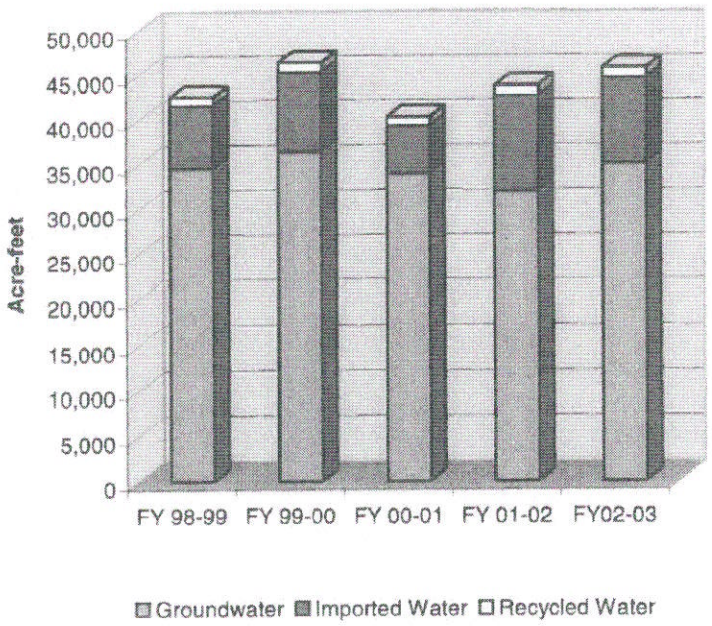


	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Desalter Water	169.8	171.2	148.8	148.4	161.8	170.5	169.1	153.9	165.5	150.5	170.0	164.2
Recycled Water	132.9	131.2	108.2	81.1	20.8	30.5	13.5	33.4	11.0	33.7	59.1	111.4
Imported Water	1,016.3	945.4	890.5	565.0	301.6	208.8	390.9	367.2	477.9	486.4	680.9	727.1
Groundwater	871.0	848.2	840.4	691.4	575.4	395.7	472.0	266.4	241.2	450.6	468.1	678.6

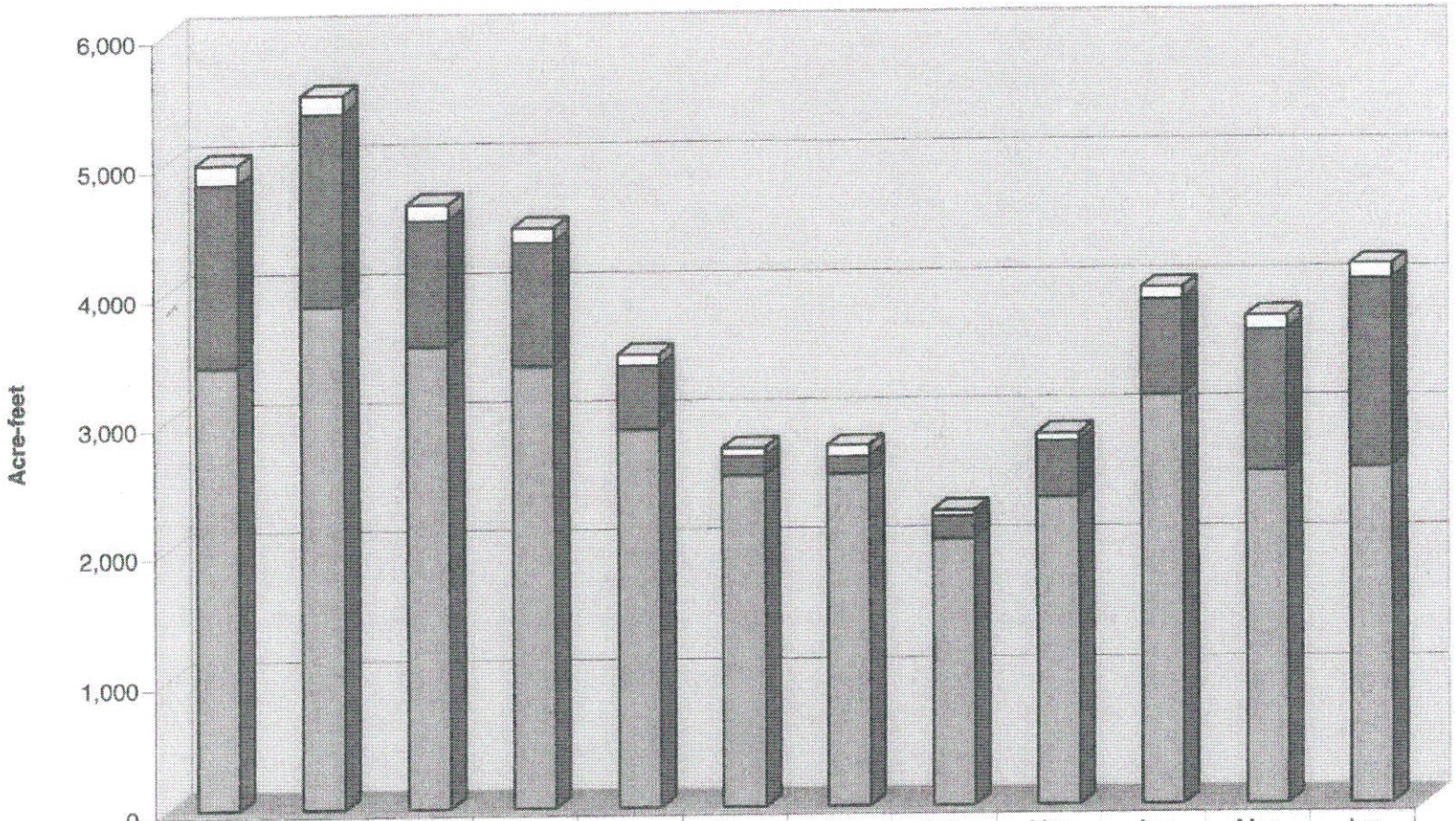
FY02-03
Total Water Usage Summary



City of Ontario
5 Year Water Use Summary

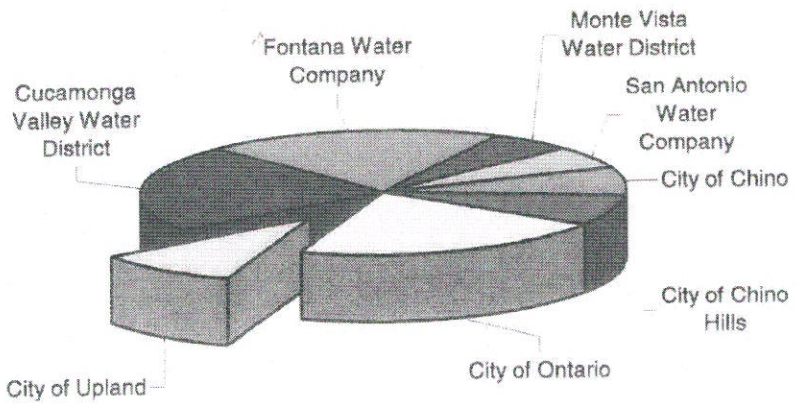


City of Ontario
02-03 Monthly Water Use

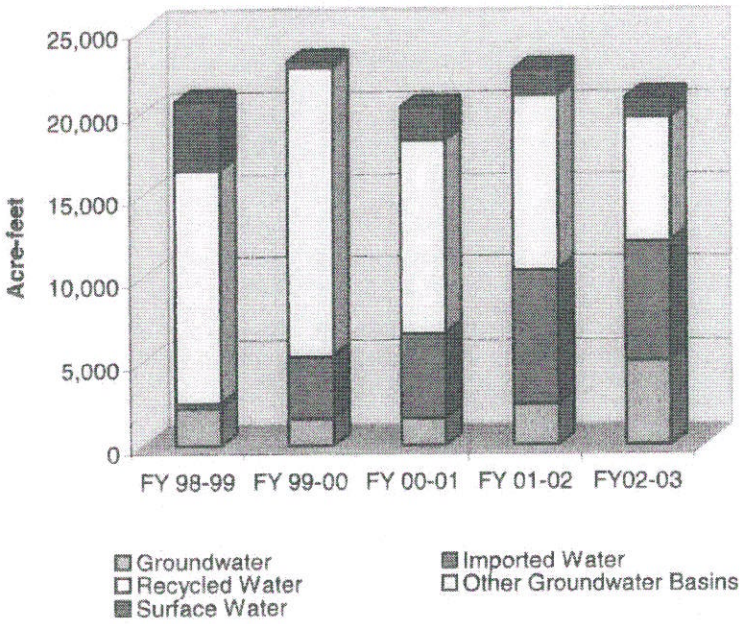


	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Recycled Water	151.1	141.1	125.0	112.3	88.2	66.5	87.5	41.9	59.6	97.8	111.0	114.7
Imported Water	1,414.3	1,487.2	975.1	961.6	496.2	150.9	135.0	174.7	432.7	742.0	1,095.8	1,465.5
Groundwater	3,428.1	3,895.2	3,576.5	3,417.4	2,917.9	2,548.2	2,555.4	2,052.2	2,365.4	3,152.1	2,556.9	2,584.6

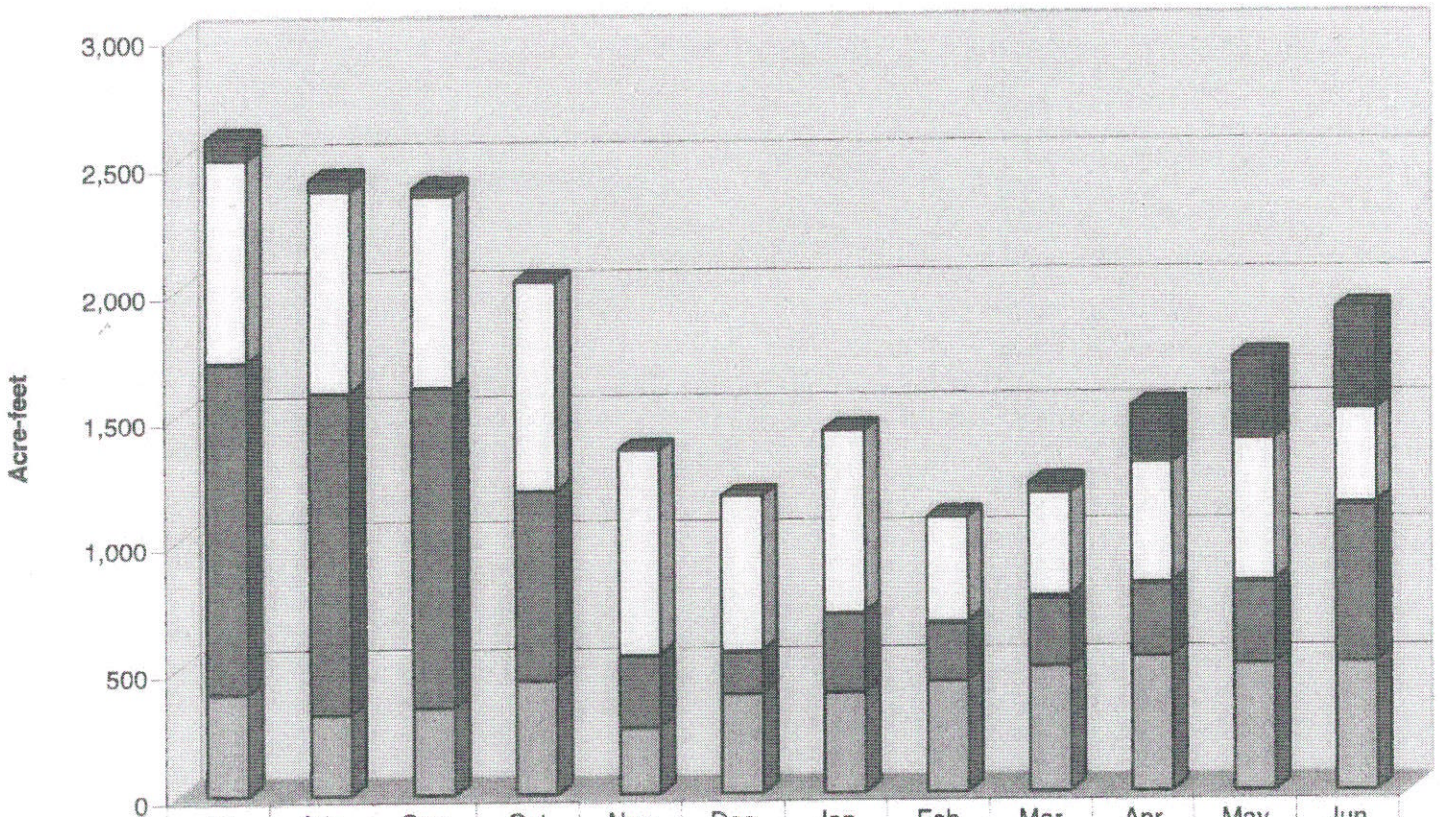
FY02-03
Total Water Usage Summary



City of Upland
5 Year Water Use Summary

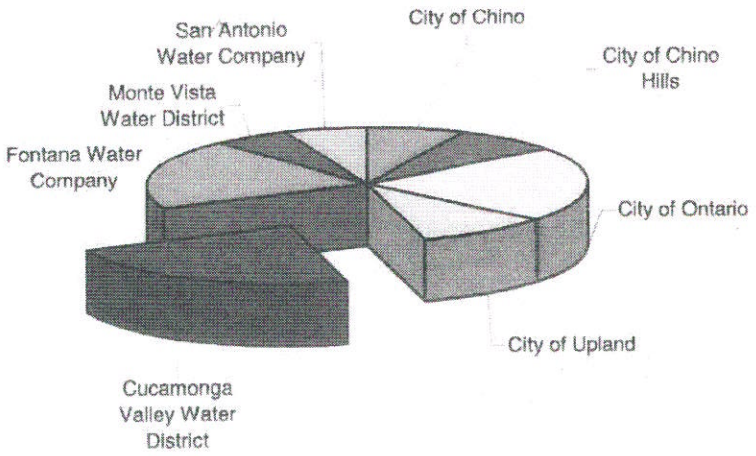


City of Upland
02-03 Monthly Water Use

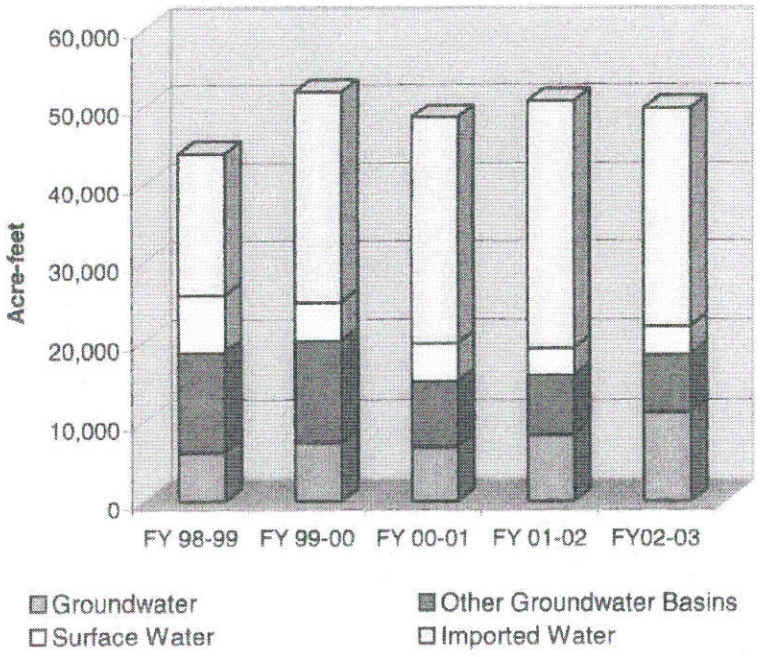


	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Surface Water	79.9	44.6	32.2	1.8	0.0	0.0	2.8	0.0	38.8	225.2	328.5	401.5
Other Groundwater	799.6	797.2	754.6	836.0	804.6	605.5	719.9	408.7	402.3	469.6	558.2	376.3
Recycled Water	7.4	3.1	3.5	4.8	6.2	7.4	8.2	9.4	10.5	8.9	9.4	9.1
Imported Water	1,305.2	1,269.3	1,263.8	740.5	280.6	161.6	304.1	223.0	262.5	277.3	313.7	610.5
Groundwater	402.5	318.4	342.8	446.7	259.9	391.7	394.2	436.0	494.9	532.7	500.8	505.1

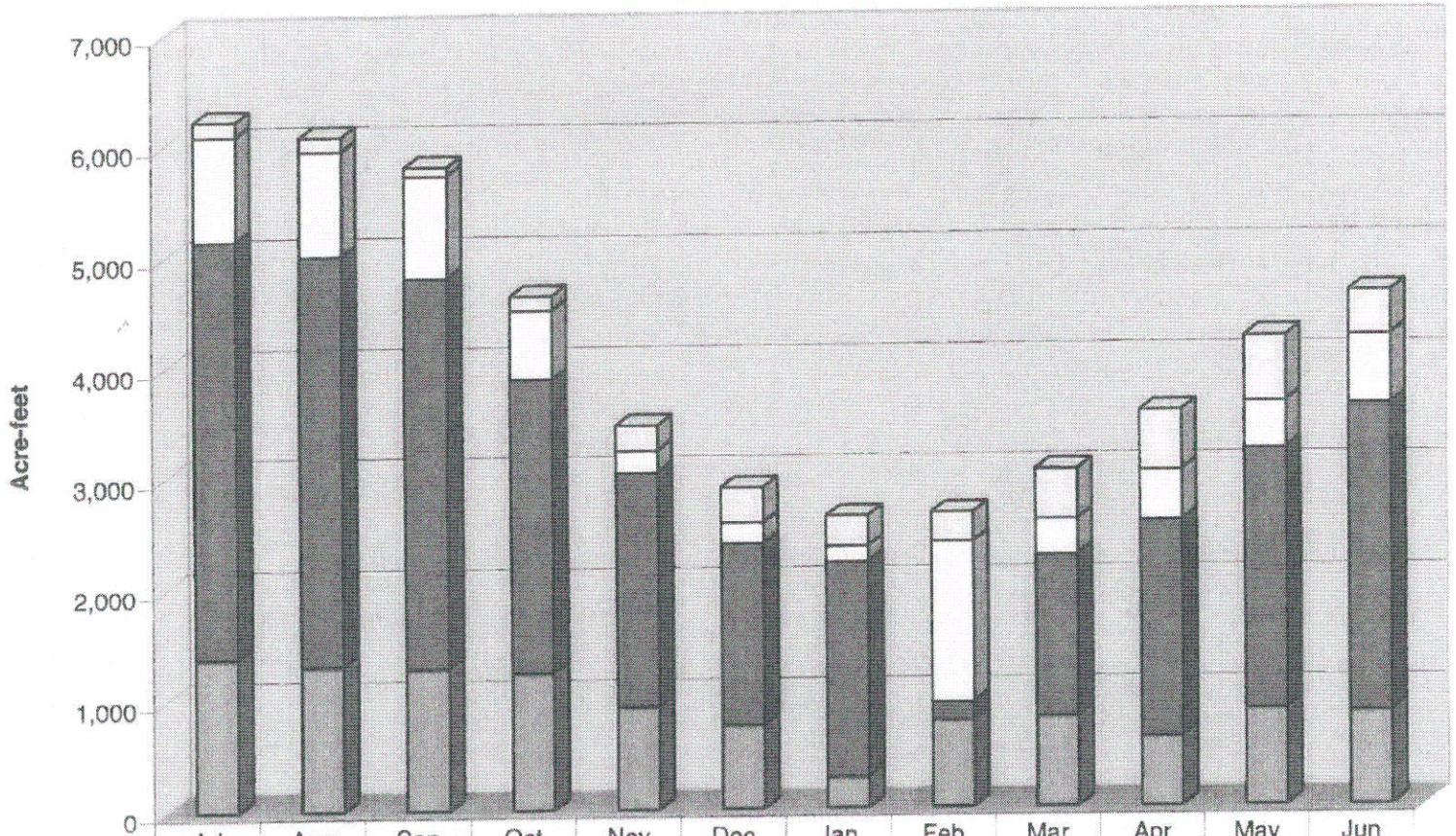
FY02-03
Total Water Usage Summary



Cucamonga Valley Water District
5 Year Water Use Summary

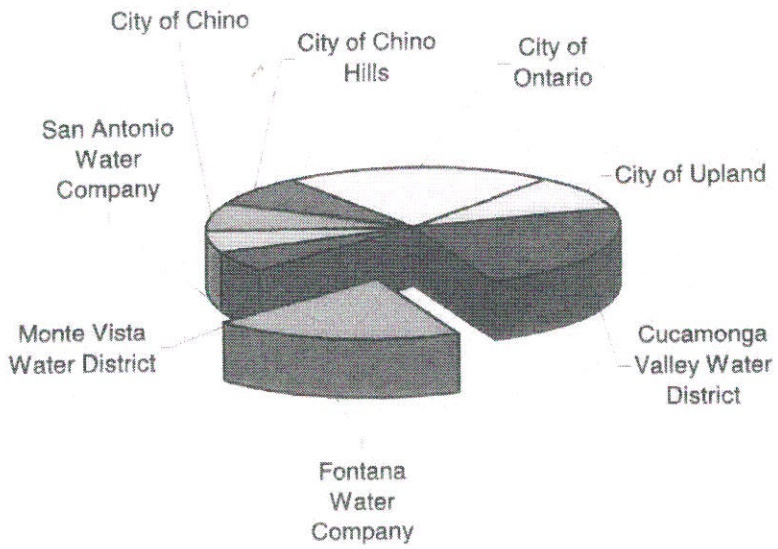


Cucamonga Valley Water District
02-03 Monthly Water Use

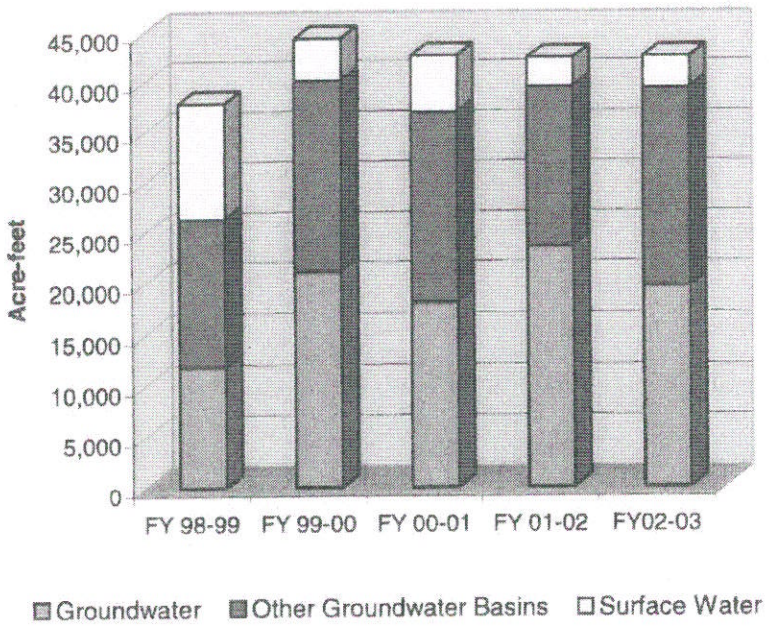


	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Surface Flows	140.6	125.3	82.0	129.5	232.2	319.0	274.3	265.6	446.9	545.1	592.0	397.6
Other Groundwater	932.8	940.5	917.6	629.1	201.8	187.0	133.9	1,435.3	317.1	448.4	425.5	622.0
Imported Water	3,772.6	3,700.2	3,520.9	2,644.1	2,098.0	1,623.3	1,937.9	163.0	1,444.3	1,929.8	2,326.4	2,747.9
Groundwater	1,376.2	1,304.5	1,276.3	1,229.7	924.2	753.8	274.3	782.8	814.4	627.3	872.8	851.7

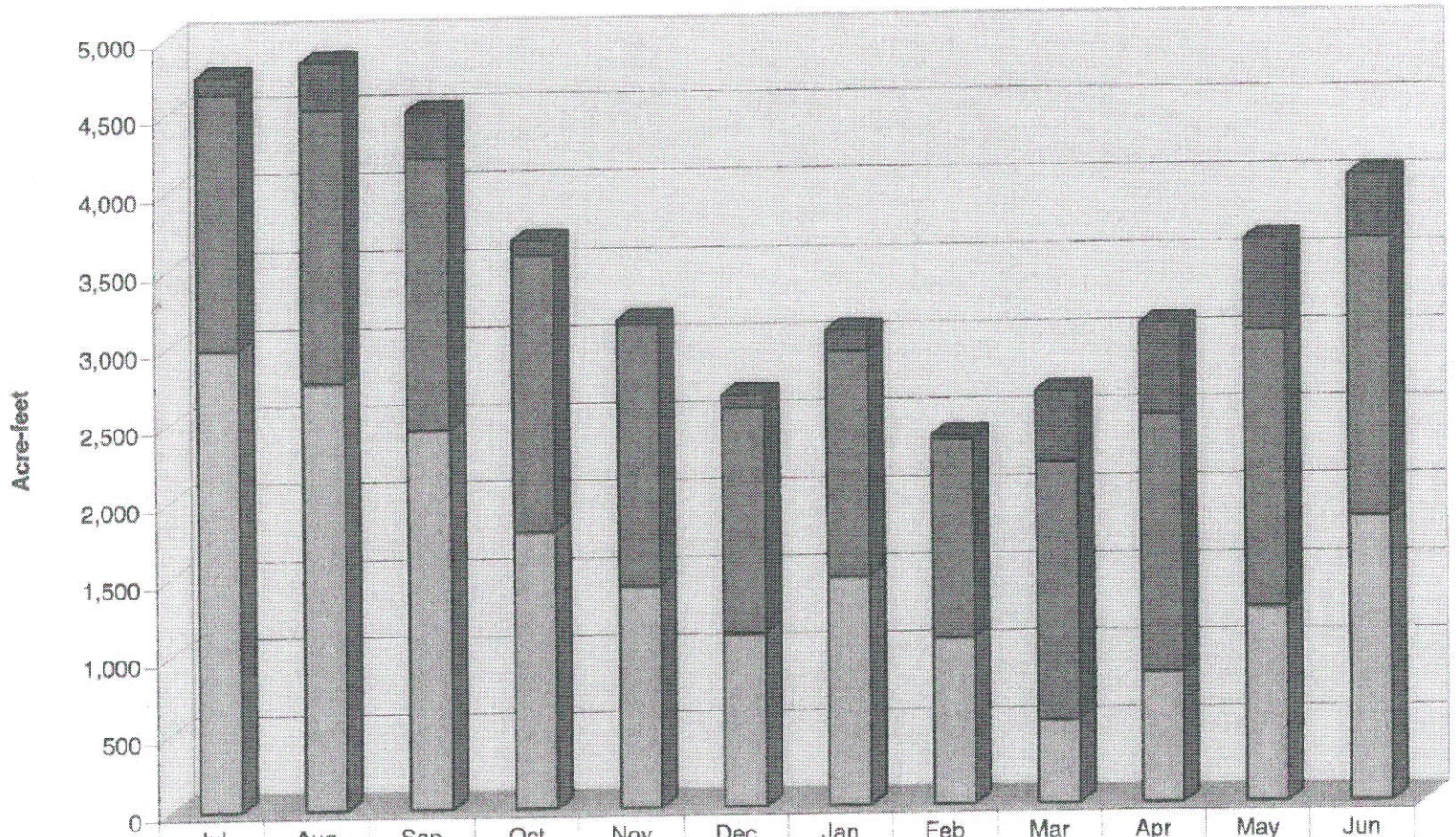
FY02-03
Total Water Usage Summary



Fontana Water Company
5 Year Water Use Summary

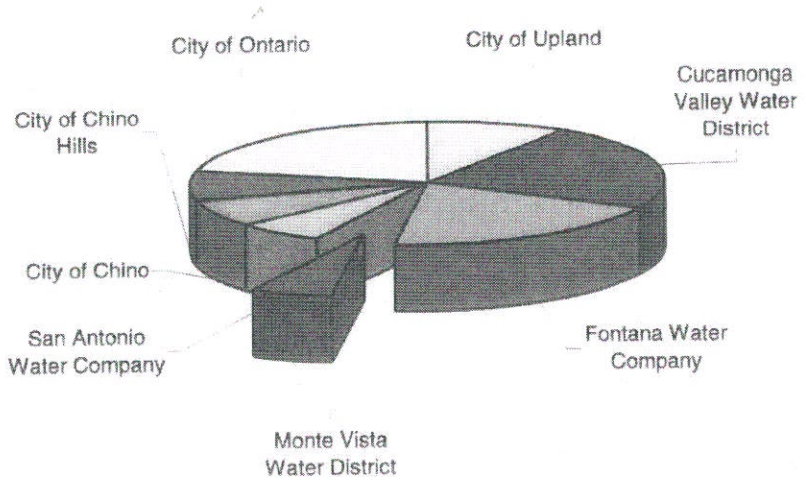


Fontana Water Company
02-03 Monthly Water Use

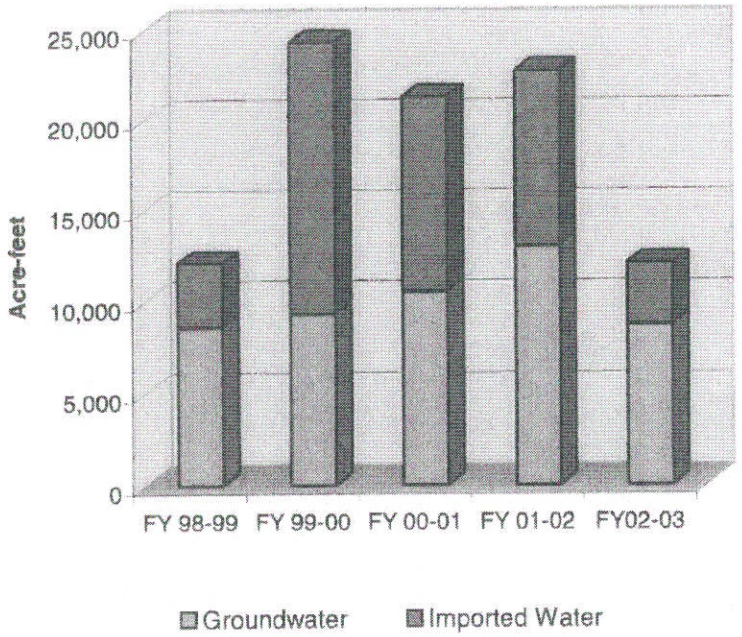


	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Surface Water	109.0	311.3	302.6	92.5	28.5	86.1	138.4	26.2	461.8	586.7	586.3	398.3
Other Groundwater	1,649.0	1,758.8	1,753.7	1,783.1	1,688.5	1,452.3	1,456.2	1,274.3	1,656.8	1,660.1	1,782.7	1,798.8
Groundwater	2,987.8	2,766.9	2,452.9	1,795.6	1,436.0	1,121.0	1,475.9	1,077.3	542.1	846.1	1,262.9	1,842.0

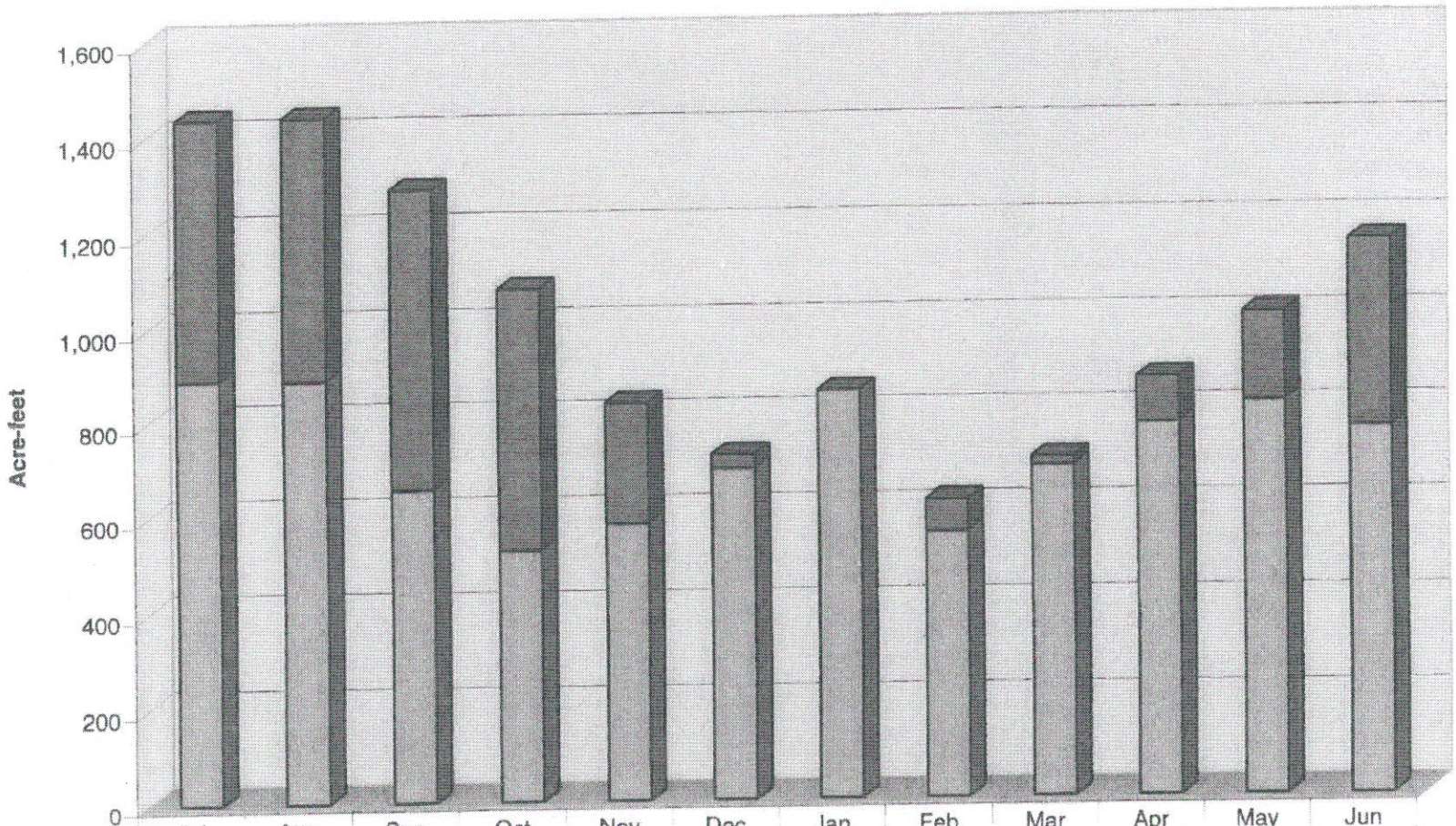
FY02-03
Total Water Usage Summary



Monte Vista Water District
5 Year Water Use Summary

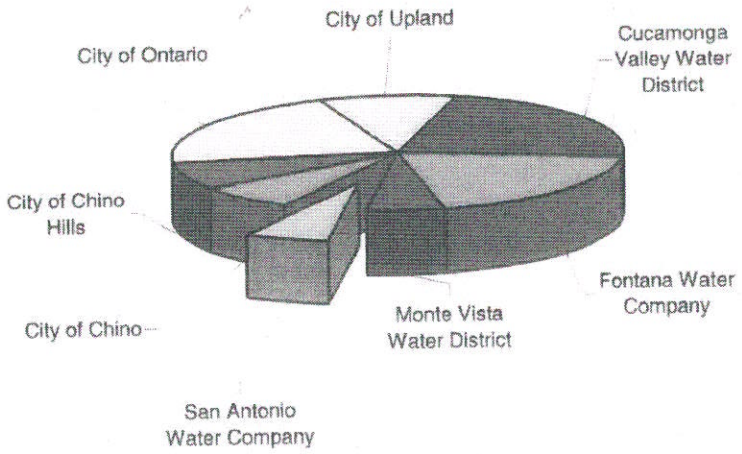


Monte Vista Water District
02-03 Monthly Water use

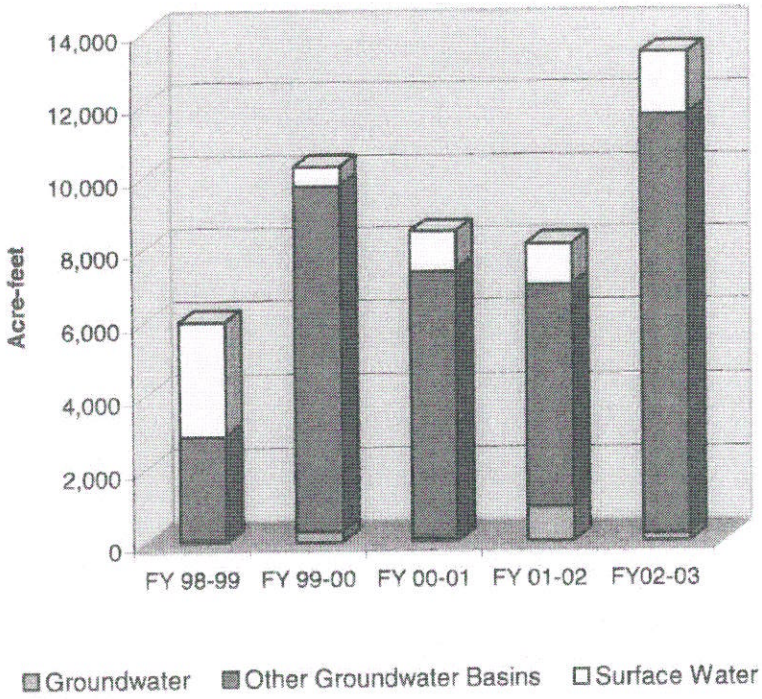


	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Imported Water	545.2	550.2	632.0	552.2	254.2	29.4	0.0	66.7	17.4	96.6	188.7	396.4
Groundwater	891.4	889.2	655.7	526.3	579.6	692.2	855.9	555.5	691.1	779.6	823.7	766.9

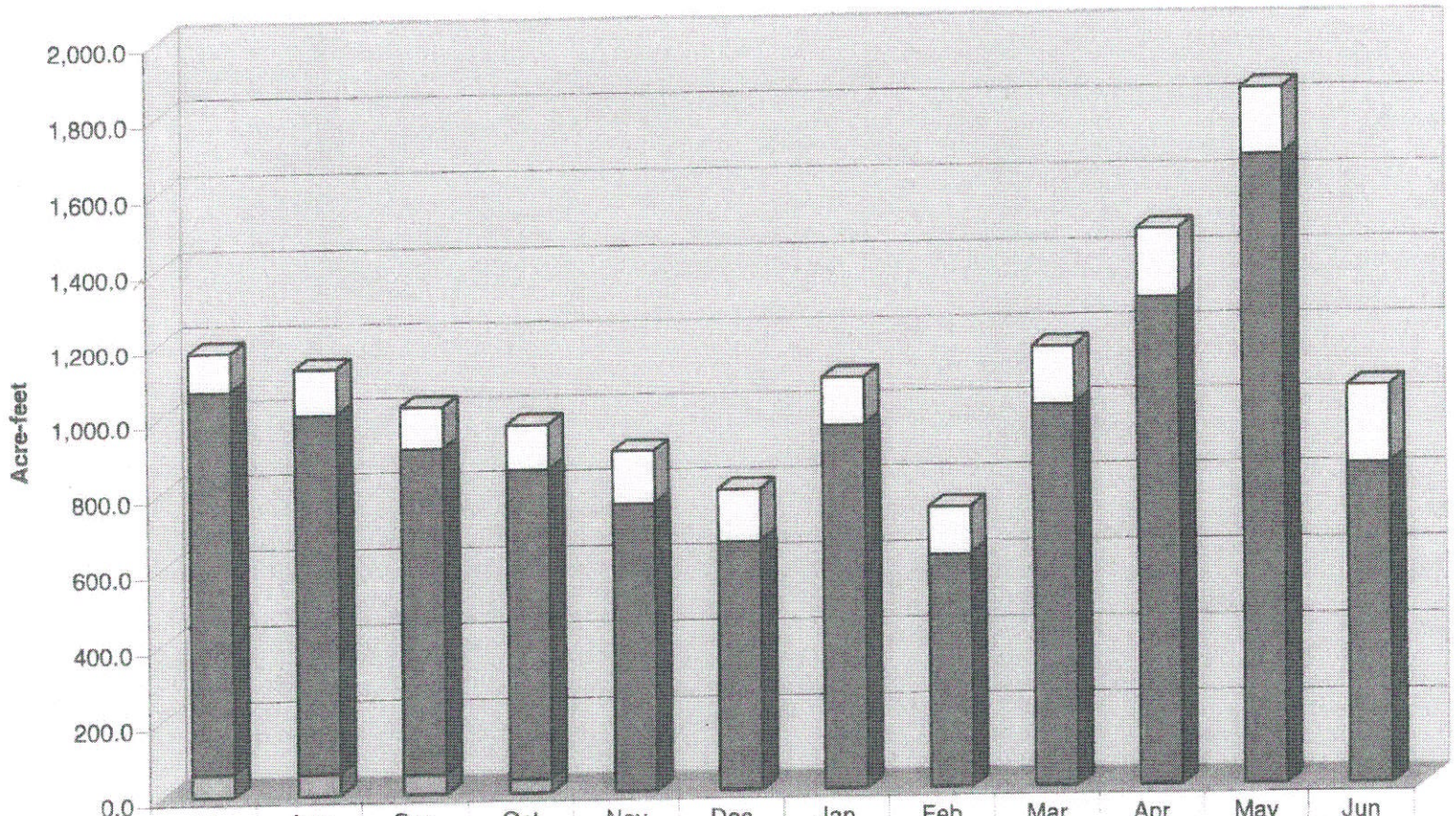
FY02-03
Total Water Usage Summary



San Antonio Water Company
5 Year Water Use Summary



San Antonio Water Company
02-03 Monthly Water Use



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Surface Water	106.1	125.4	113.1	120.1	138.9	139.2	129.3	125.3	156.4	183.2	175.8	208.2
Other Groundwater	1,013.1	949.1	860.0	817.6	760.1	654.3	959.8	615.3	1,007.3	1,292.7	1,667.8	841.7
Groundwater	59.5	56.4	51.7	34.7	0.0	0.9	0.1	0.0	0.0	0.0	0.9	0.7

Definitions

Desalter Water – Means product water from the Chino Desalter I. Groundwater, with high levels of TDS, is treated and distributed to several retail water agencies within the Inland Empire Water Agency (IEUA) service area for potable uses.

Groundwater – Means water pumped from the Chino Basin aquifer and treated by retail water agencies for all potable uses within the IEUA service area.

Imported Water – Means water from the Colorado River or Northern California and supplied by the Metropolitan Water District of Southern California (MWD), and water transferred from other groundwater basins to retail water agencies operating within the IEUA service area.

Recycled Water – Means highly treated wastewater (meeting Title 22 standards) produced by IEUA for distribution through separate pipelines to retail water agency customers for all non-potable uses.

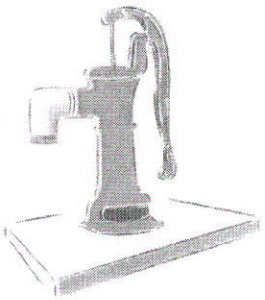
Surface Water – Means water collected by retail water agencies from mountain runoff and storm flows, which is collected and treated for potable use.

Water From Other Basins – Means water transferred from other groundwater basins to retail water agencies operating within the IEUA service area. In this report, "water from other basins" is shown within the category of monthly "other groundwater."

Inland Empire
UTILITIES AGENCY

Annual Water Production Summary Report for IEUA Service Area

FY 2003-04
Retail Agency
Monthly Water Production and
Five-Year History



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City of Upland Historic Annual and FY 2002-03 Monthly Water Use..... 8 – 9

Cucamonga Valley Water District Historic Annual and FY 2002-03 Monthly Water Use..... 10 – 11

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Preface

Background

Over the years of water supply development, Californians have traditionally relied on large federal and state controlled projects to provide sufficient water to supplement regional and local groundwater production to meet increasing demands. Although this "centrally planned" method of meeting demand through increased supply worked well for most of the 20th Century, it is unlikely to work well in the future. There are far too many new demands on the Colorado River and the California State Water Project to continue to refer to these projects as "reliable" for local needs. The onus has now shifted to locally constructed and managed projects that not only result in new supplies of water, but also focus on protection of existing sources.

Water Supply Goal

This shift in water supply management strategy creates a need for information. Water agencies, particularly in high growth areas such as the Inland Empire Utilities Agency (IEUA) service area, need to understand the structure of the local water supply and demand picture. Once this is understood, IEUA and the cities and retail water agencies can then better plan and manage new projects to make our water supply resources as secure as possible thus supporting the agencies goal of providing reliable, high quality water at a reasonable cost.

Layout of the Document

The purpose of this document is to collect and present the total water resource "mix" that the cities and water agencies depend upon to meet their needs for commercial, industrial, and residential water service demands. This is turn helps local agencies determine the most cost-effective approaches to meet their future water production needs.

This document presents water production data for all retail water agencies in the IEUA service area. Individually, we present each agency's percentage of water production, the 5-year historical production record, the FY 2003-04 monthly water production summaries, and for reference purposes, a ten year historical record of production.

Results

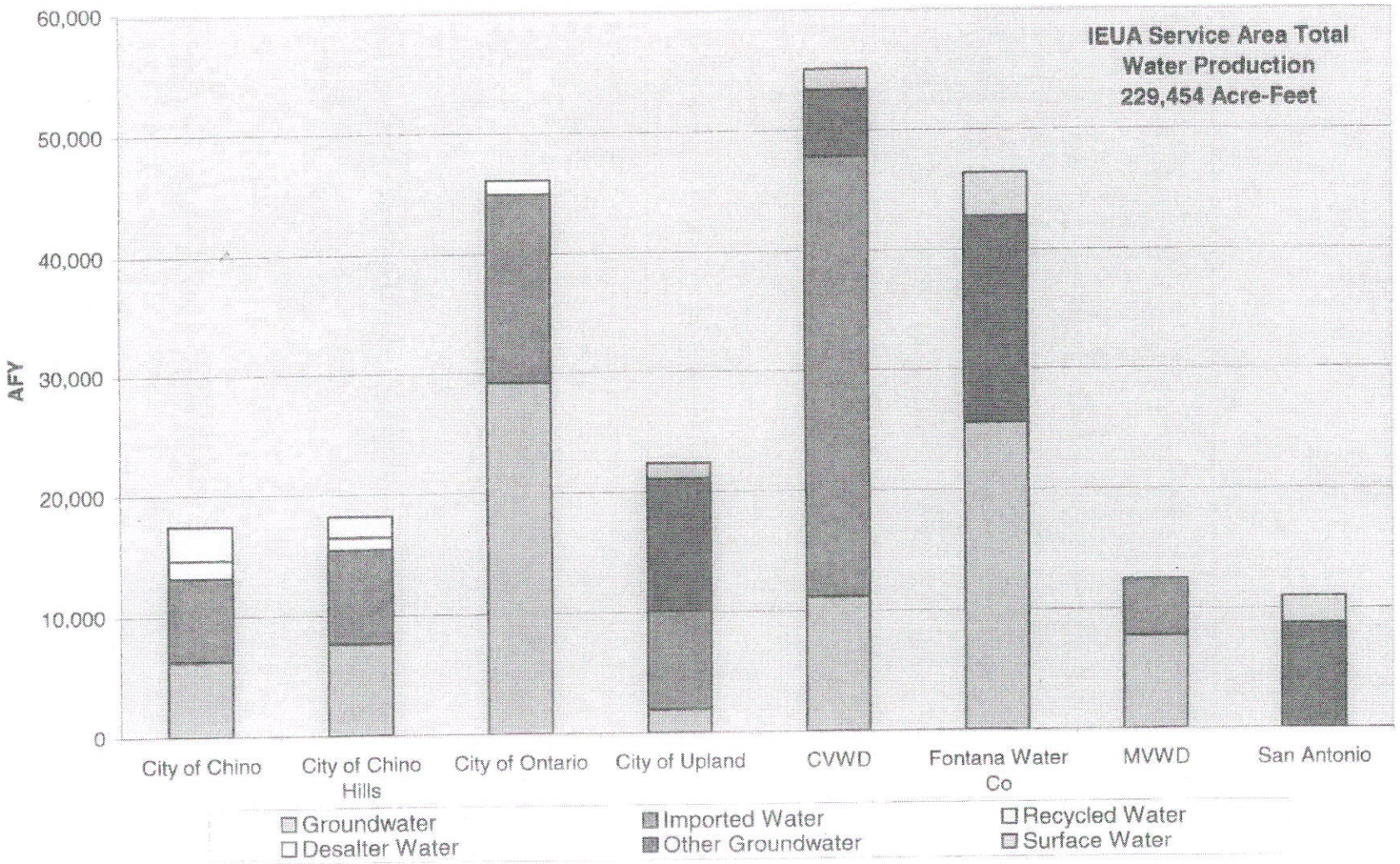
For the IEUA service area, water production has increased over the last several years to keep up with demand. Water production over the last ten years has been up and down slightly due to changing local hydrologic conditions, but over all, the trend line in production is steadily increasing. FY 2003-04 was the highest production year in IEUA service area history. For all classes of water, total production was 229,454 acre-feet. This is due mainly to the fact that the Chino Basin region remains one of the highest growth areas in the country. Over the last 10 years, most of this growth has occurred in the Cities of Chino Hills, Fontana and Rancho Cucamonga. Areas set for similar growth over the next several years are the Cities of Chino and Ontario. The Cities of Upland and Montclair are mostly "built-out" and have seen relatively minor increases in demand.

Acknowledgement

This document reflects the records currently held at the Chino Basin Watermaster (CBWM), IEUA, and the local cities and retail water agencies. IEUA staff would like to express its appreciation for the effort by the water agencies within the IEUA service area and the CBWM in compiling this data. However, this summary may not have identified and captured all of the different "streams" of water supply flowing into the IEUA service area. In particular, we need to properly show the in-flow of water "imported" from suppliers other than the Metropolitan Water District of Southern California (i.e., storm water capture, other basin sources, and transfers).

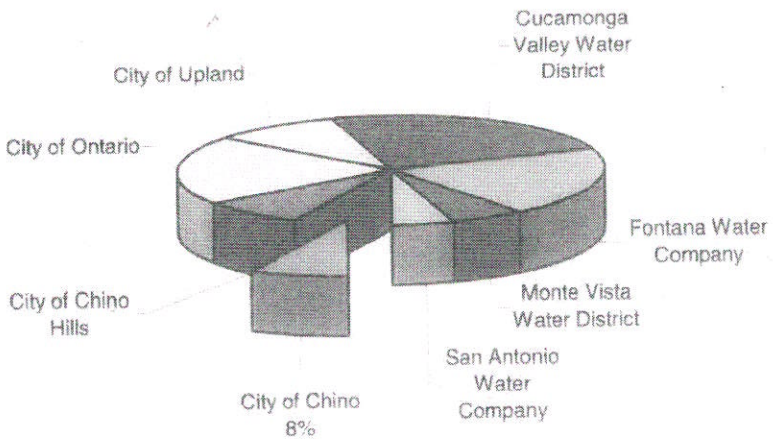
IEUA staff will continue to work with all agencies to provide as clear a picture as possible of the water resources available within the service area.

Total IEUA Service Area
Water Production By Agency for FY 2003-04



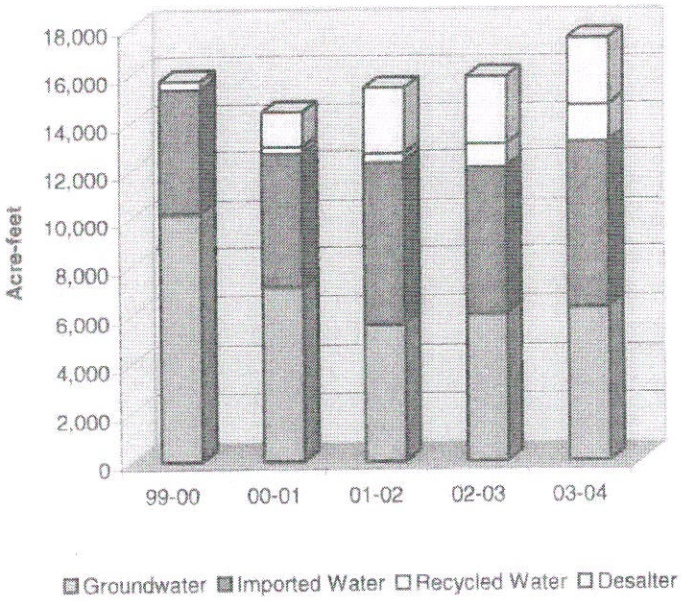
City of Chino
FY 2003-04 Water Production Report

FY 2003-04
Total Water Production

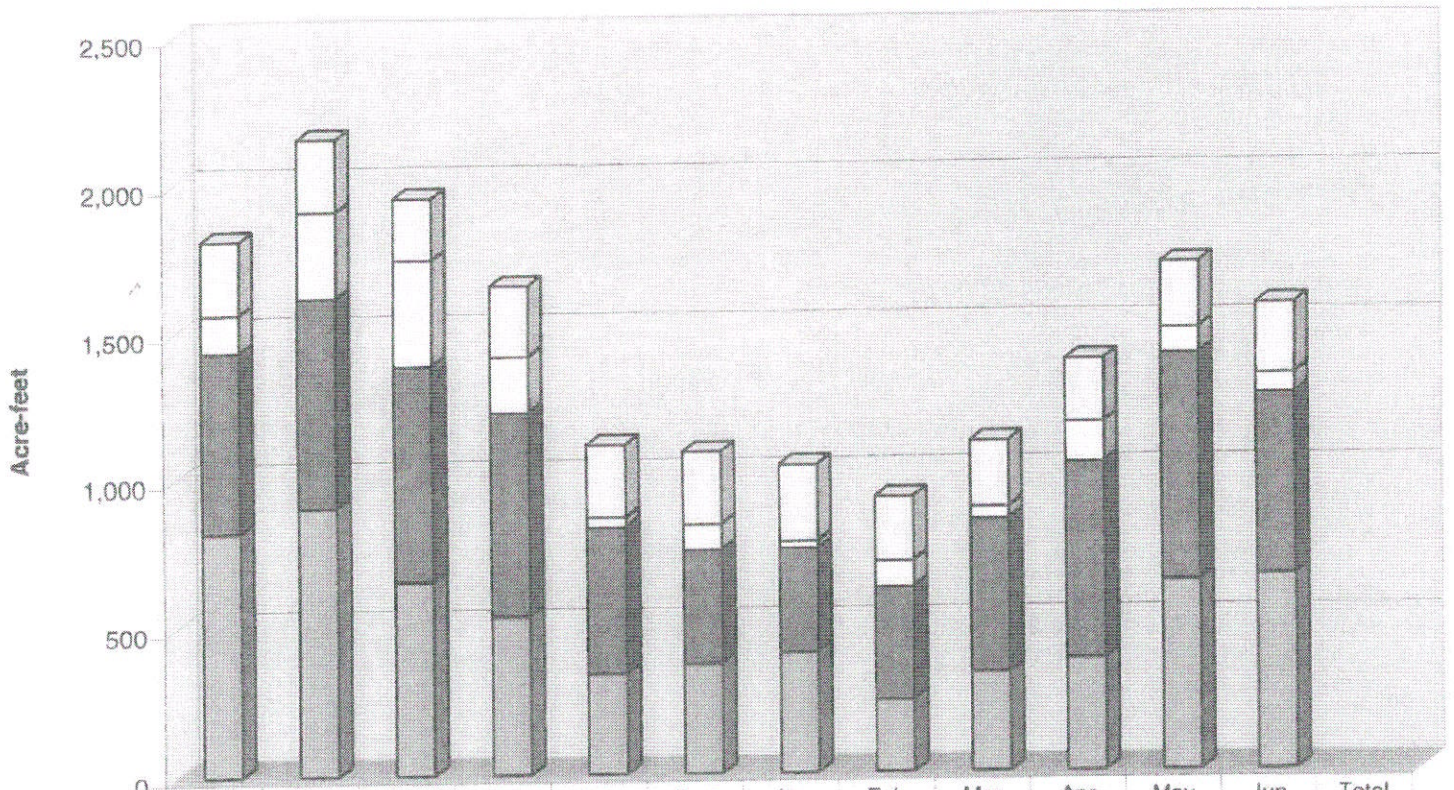


The City of Chino is 8 percent (17,493 acre-feet) out of a total production of 229,454 acre-feet in the IEUA service area.

5-Year Water Production



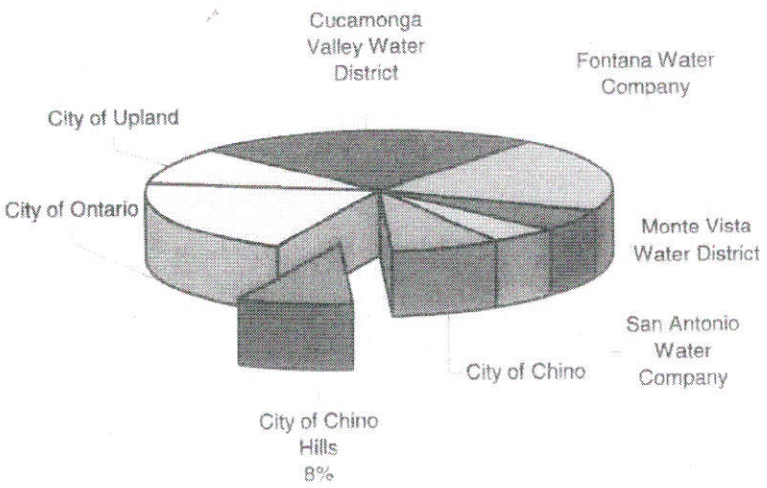
City of Chino
FY 2003-04 Monthly Water Production Report



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	1,812.1	2,152.9	1,951.7	1,652.5	1,107.1	1,080.8	1,034.1	923.3	1,109.6	1,385.4	1,713.3	1,570.8	17,493.6
Desalter Water	248.6	244.4	209.8	240.1	243.8	243.4	253.8	214.1	222.2	216.4	224.5	240.6	2,801.5
Recycled Water	129.6	292.6	361.4	193.6	33.5	86.1	26.3	88.0	41.6	135.9	88.2	67.5	1,544.2
Imported Water	610.8	713.2	727.5	684.8	491.2	381.0	348.0	376.2	511.3	653.9	762.3	605.9	6,865.9
Groundwater	823.2	902.8	653.0	534.0	338.7	370.3	406.0	245.1	334.6	379.2	638.2	656.8	6,281.9

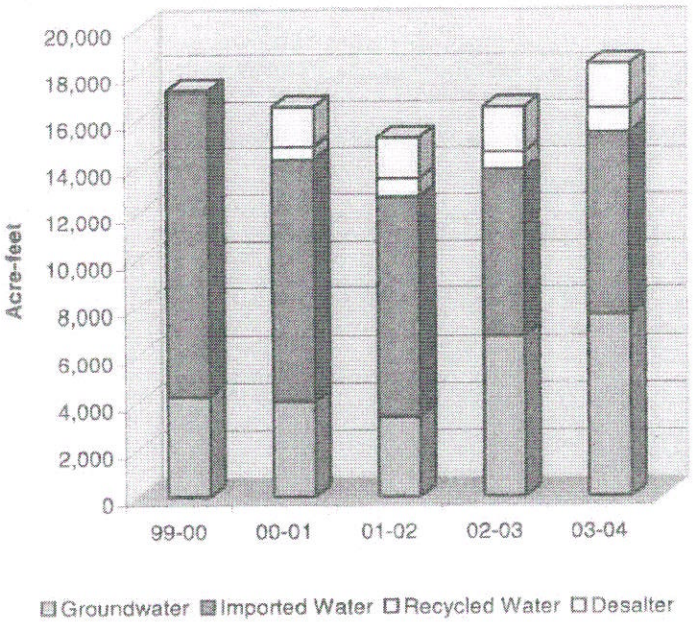
City of Chino Hills
FY 2003-04 Water Production Report

FY 2003-04
Total Water Production

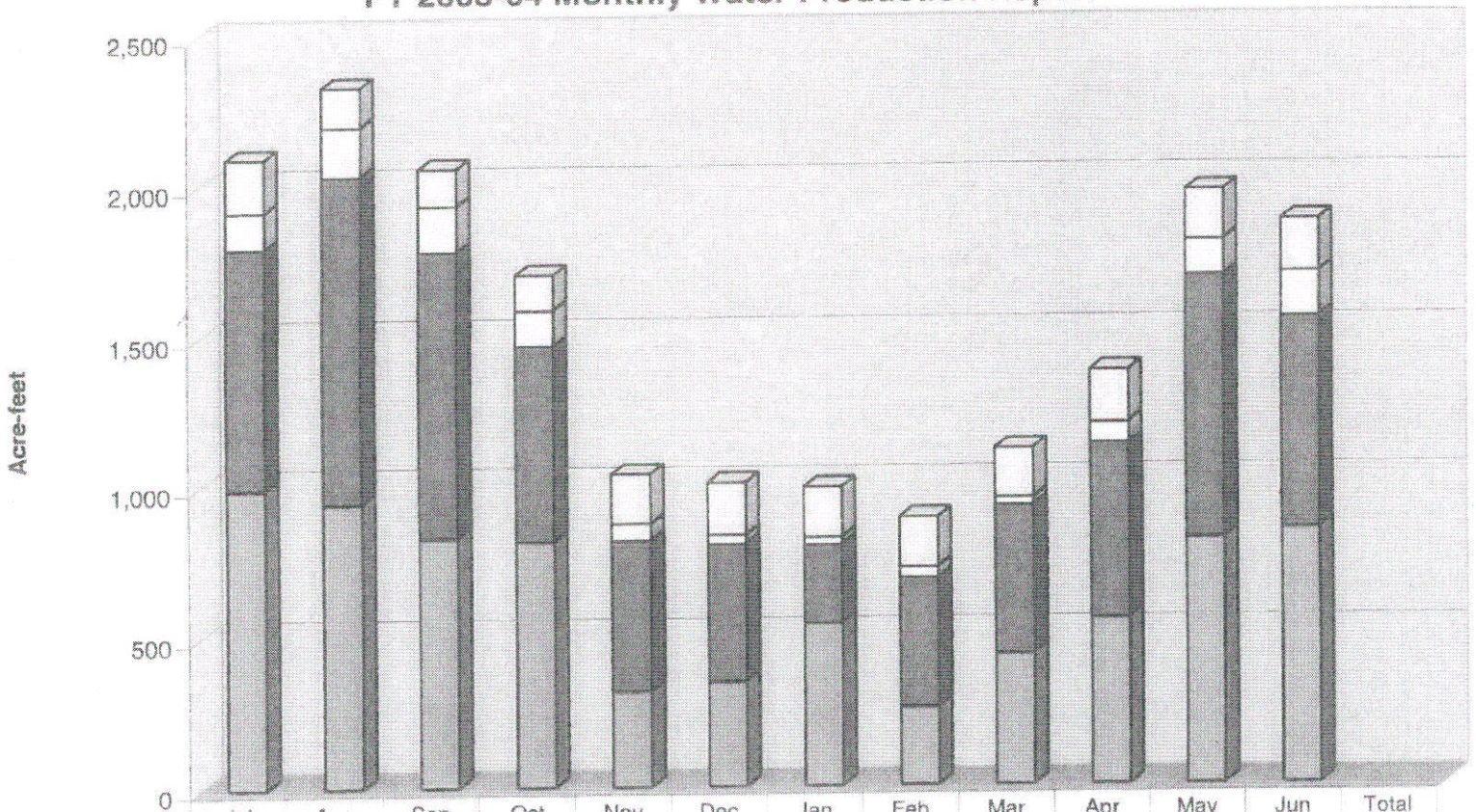


The City of Chino Hills is 8 percent (18,402 acre-feet) out of a total production of 229,454 acre-feet in the IEUA service area.

5-Year Water Production



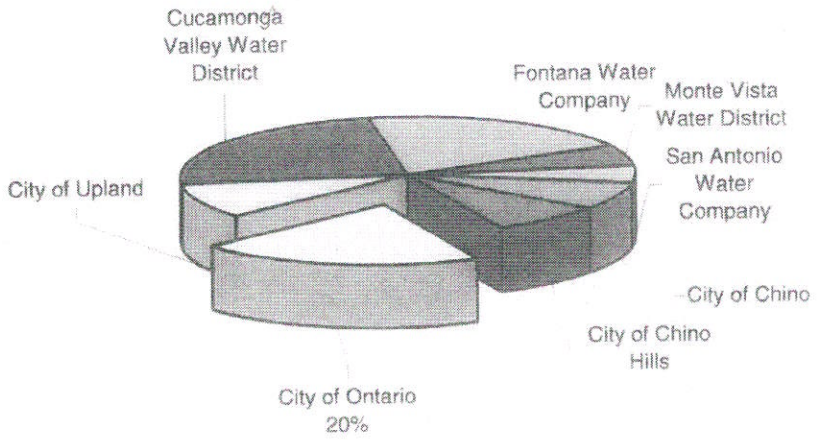
City of Chino Hills
FY 2003-04 Monthly Water Production Report



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	2,089.0	2,326.3	2,052.3	1,702.9	1,034.5	1,005.1	988.4	886.6	1,111.7	1,371.3	1,966.2	1,867.2	18,401.5
Desalter Water	173.8	132.3	120.7	118.5	165.2	175.9	167.9	165.4	163.2	175.7	163.3	172.7	1,894.6
Recycled Water	120.1	163.7	152.1	118.2	54.8	28.0	23.0	35.9	26.6	69.2	117.4	149.0	1,057.8
Imported Water	804.1	1,089.2	952.7	652.9	496.4	452.5	257.5	425.8	488.5	577.2	876.0	705.3	7,778.1
Groundwater	991.0	941.2	826.8	813.4	318.1	348.8	539.9	259.5	433.3	549.2	809.6	840.3	7,671.0

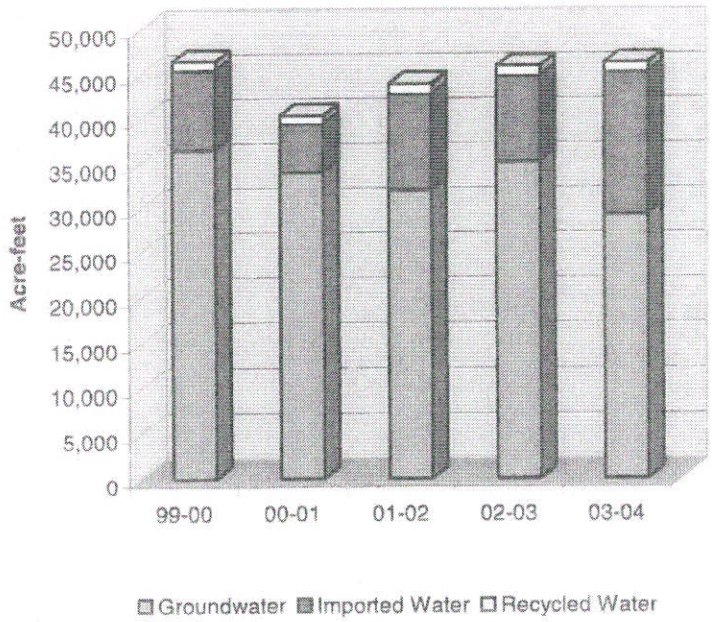
City of Ontario
FY 2003-04 Water Production Report

FY 2003-04
Total Water Production

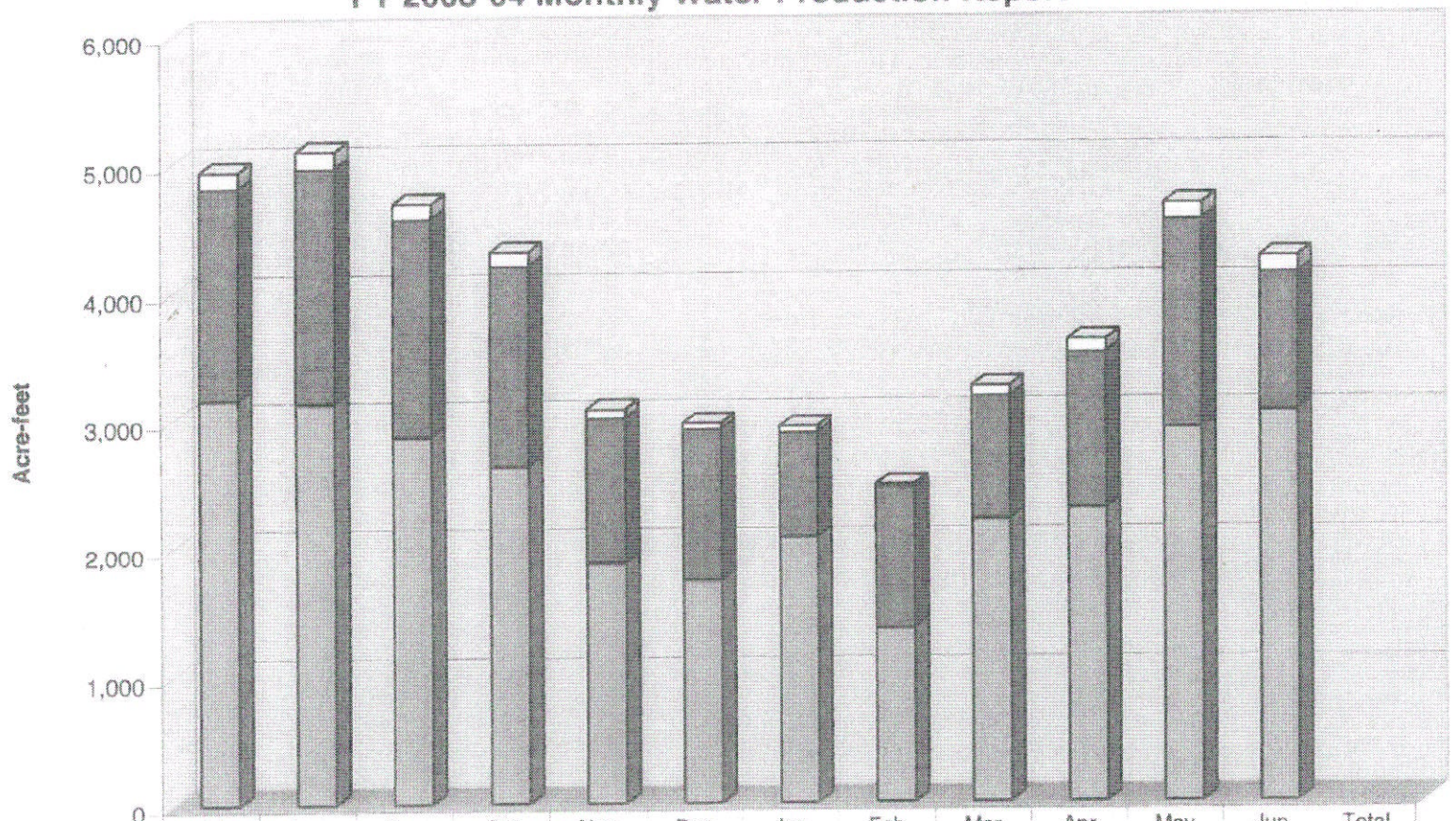


The City of Ontario is 20 percent (46,146 acre-feet) out of a total production of 229,454 acre-feet in the IEUA service area.

5-Year Water Production



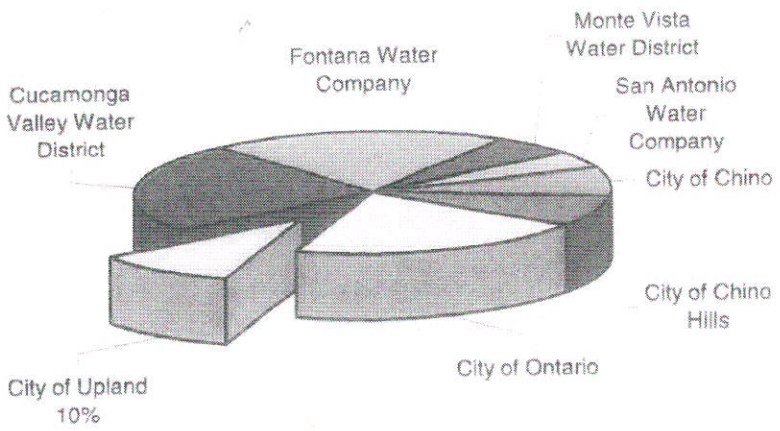
City of Ontario
FY 2003-04 Monthly Water Production Report



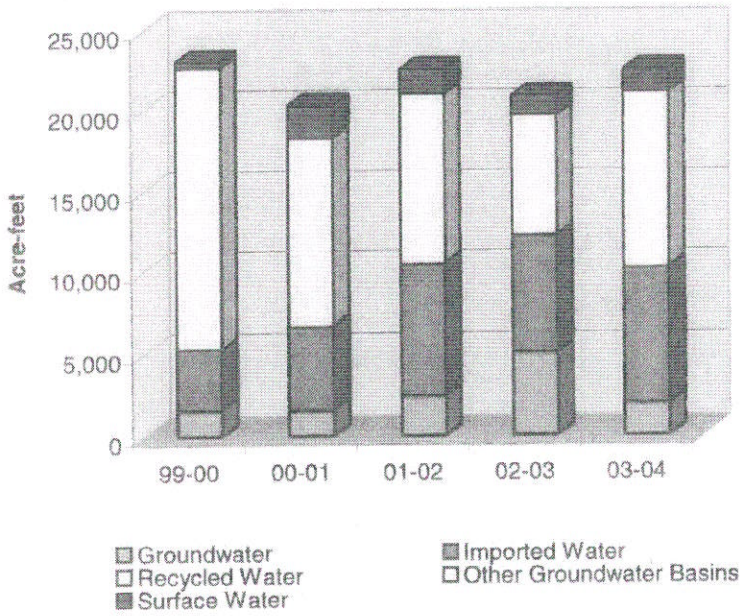
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	4,937.0	5,093.5	4,683.4	4,302.4	3,066.1	2,956.0	2,925.2	2,464.4	3,232.4	3,592.6	4,652.6	4,240.0	46,145.5
Recycled Water	132.7	134.6	123.6	113.2	70.5	55.2	50.4	28.1	83.4	105.1	129.6	133.6	1,160.0
Imported Water	1,638.9	1,826.8	1,700.2	1,563.0	1,124.0	1,162.4	805.8	1,077.2	952.6	1,213.0	1,631.1	1,076.6	15,771.6
Groundwater	3,165.5	3,132.1	2,859.6	2,626.2	1,871.6	1,738.4	2,068.9	1,359.1	2,196.3	2,274.5	2,891.9	3,029.8	29,213.9

City of Upland
FY 2003-04 Water Production Report

FY 2003-04
Total Water Production

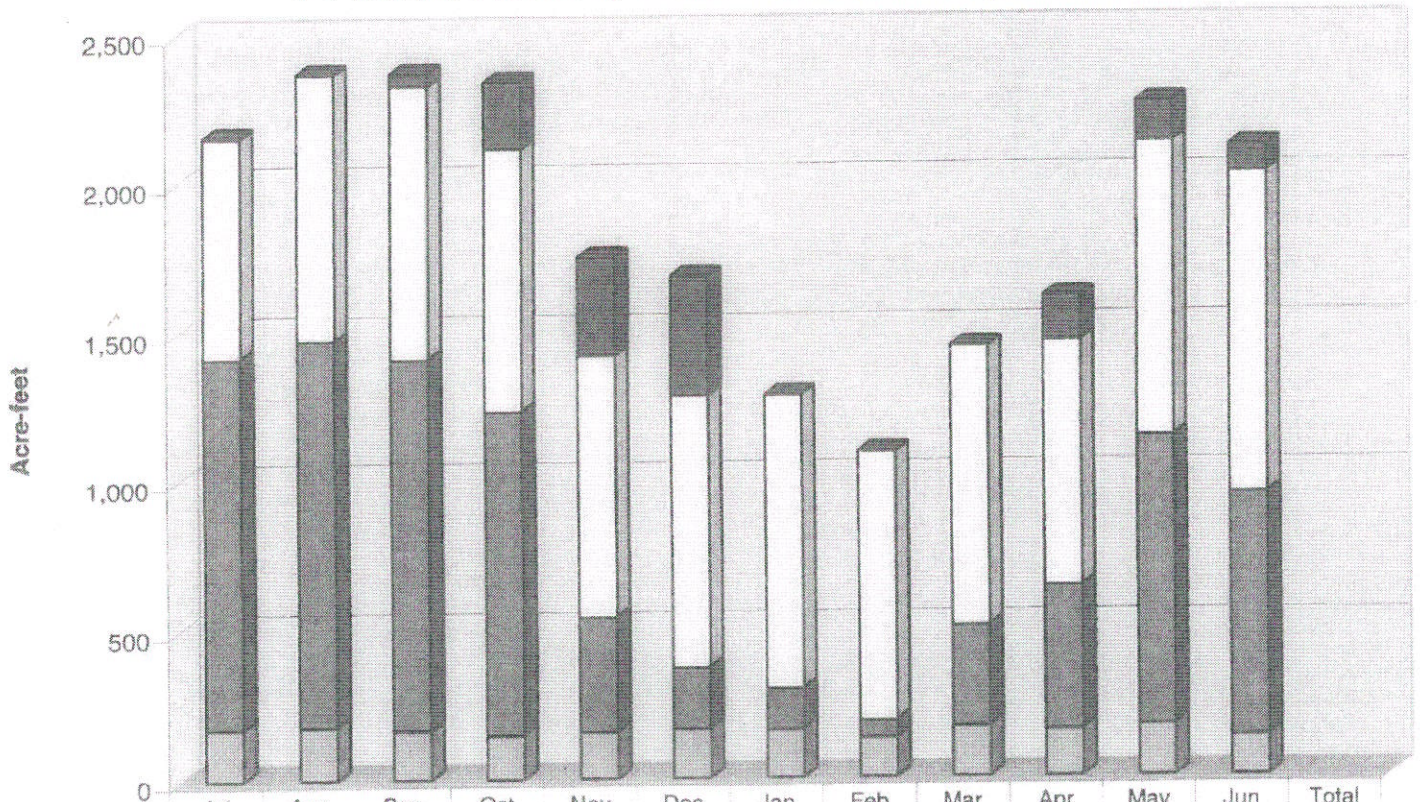


5-Year Water Production



The City of Chino is 10 percent (22,426 acre-feet) out of a total production of 229,454 acre-feet in the IEUA service area.

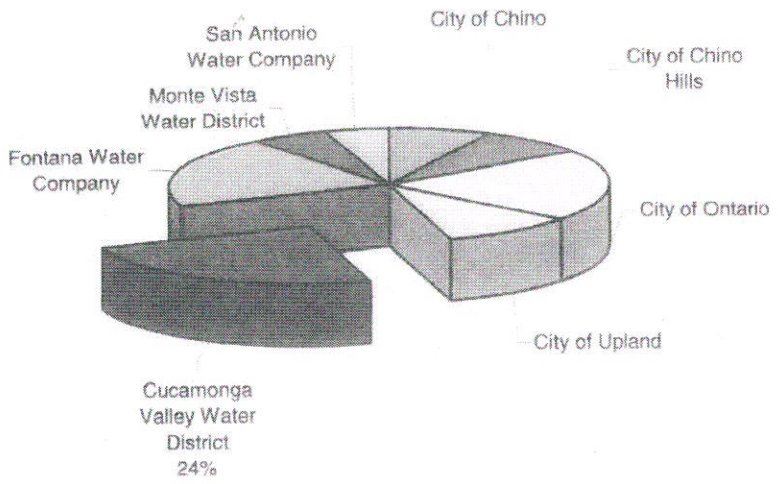
City of Upland
FY 2003-04 Monthly Water Production Report



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	2,156.0	2,367.1	2,364.9	2,336.0	1,747.2	1,682.3	1,281.1	1,084.8	1,440.8	1,606.4	2,253.9	2,105.6	22,426.1
Surface Water	2.8	0.0	38.8	225.2	328.5	401.5	0.0	0.0	0.0	149.0	131.9	86.7	1,364.4
Other Groundwater	738.0	892.4	918.4	880.8	879.6	912.0	982.7	895.0	935.0	824.9	989.8	1,081.1	10,929.7
Recycled Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Imported Water	1,240.7	1,295.0	1,242.1	1,081.8	381.3	202.4	135.7	57.3	334.7	473.5	958.4	803.5	8,206.4
Groundwater	174.5	179.7	165.6	148.2	157.8	166.4	162.7	132.5	171.1	159.0	173.8	134.3	1,925.6

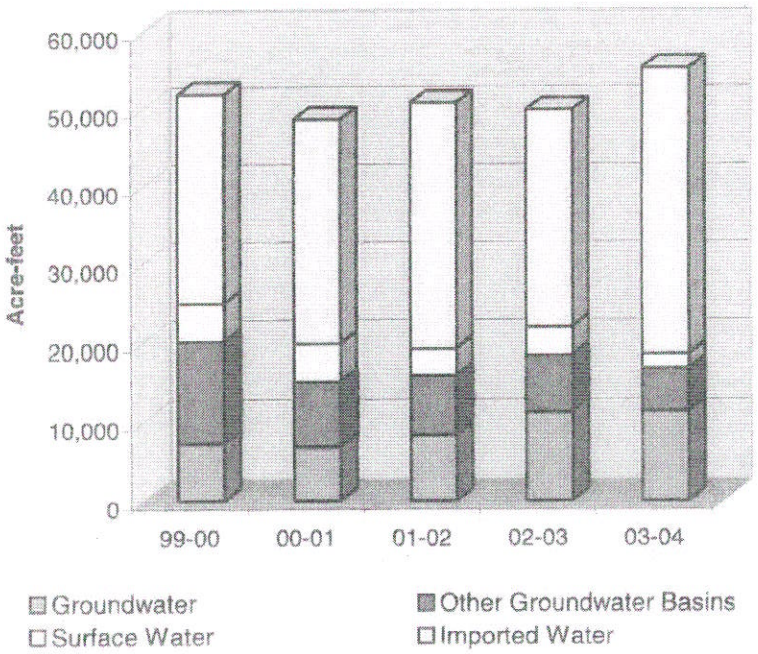
Cucamonga Valley Water District
FY 2003-04 Water Production Report

FY 2003-04
Total Water Production

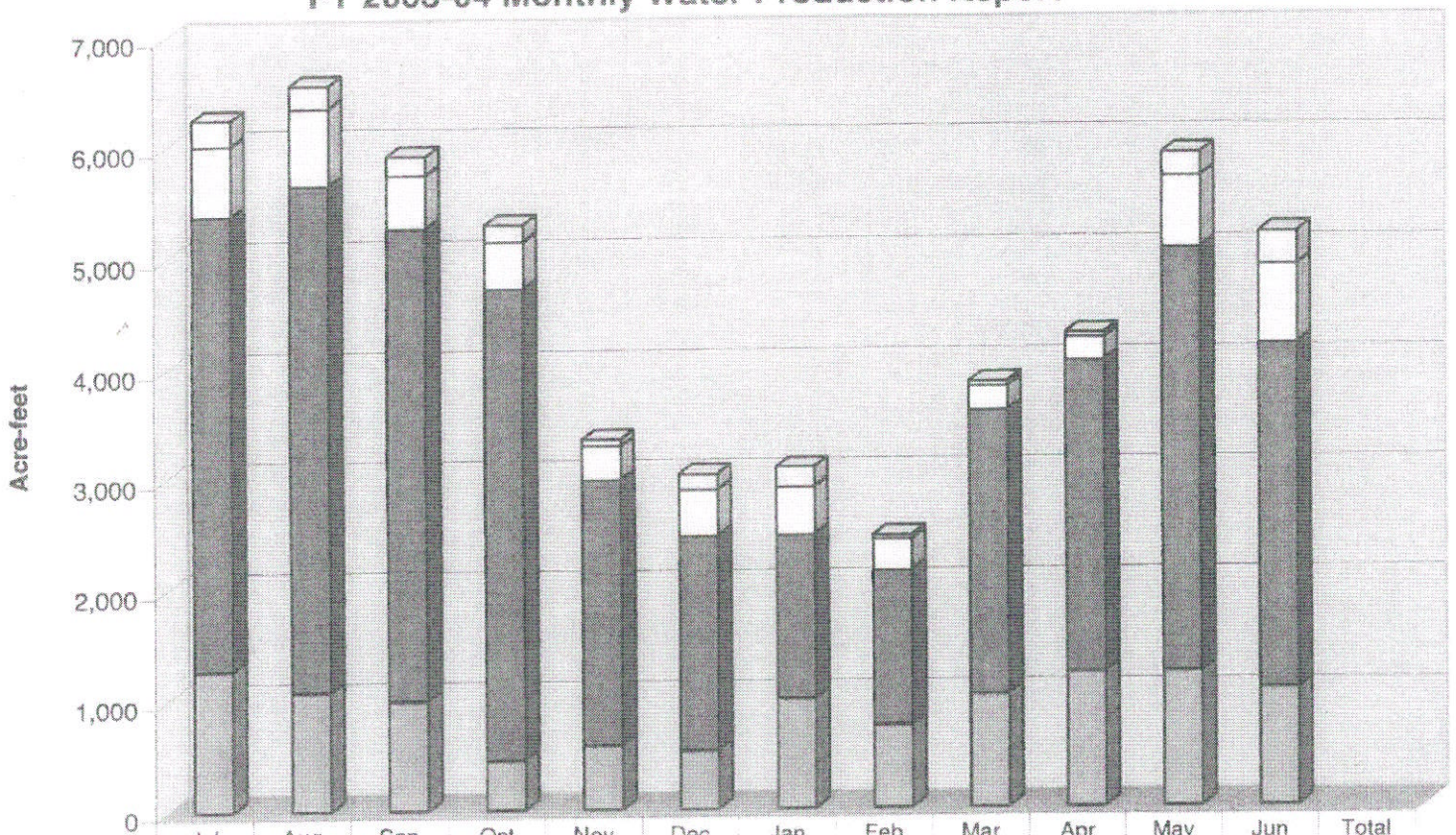


The Cucamonga Valley Water District is 24 percent (55,114 acre-feet) out of a total production of 229,454 acre-feet in the IEUA service area.

5-Year Water Production



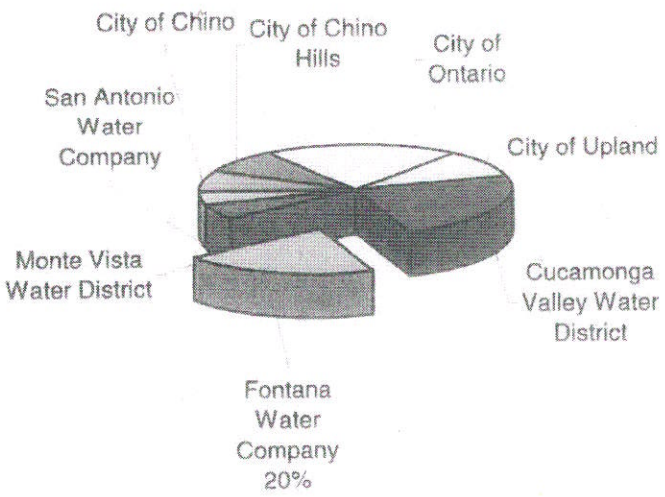
Cucamonga Valley Water District
FY 2003-04 Monthly Water Production Report



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	6,248.9	6,559.8	5,912.6	5,287.5	3,346.5	3,021.7	3,079.6	2,455.5	3,843.9	4,280.7	5,898.4	5,179.0	55,114.0
Surface Flows	233.3	211.4	175.1	150.9	62.6	144.2	179.6	33.6	45.1	44.6	213.7	291.2	1,785.3
Other Groundwater	634.7	699.3	480.0	427.6	312.4	418.4	436.8	279.1	216.2	207.4	643.4	713.1	5,468.3
Imported Water	4,108.2	4,571.6	4,262.4	4,252.0	2,387.2	1,926.1	1,465.0	1,388.6	2,557.2	2,808.9	3,819.8	3,109.6	36,656.6
Groundwater	1,272.8	1,077.5	995.1	456.9	584.4	533.0	998.2	754.1	1,025.4	1,219.8	1,221.5	1,065.1	11,203.8

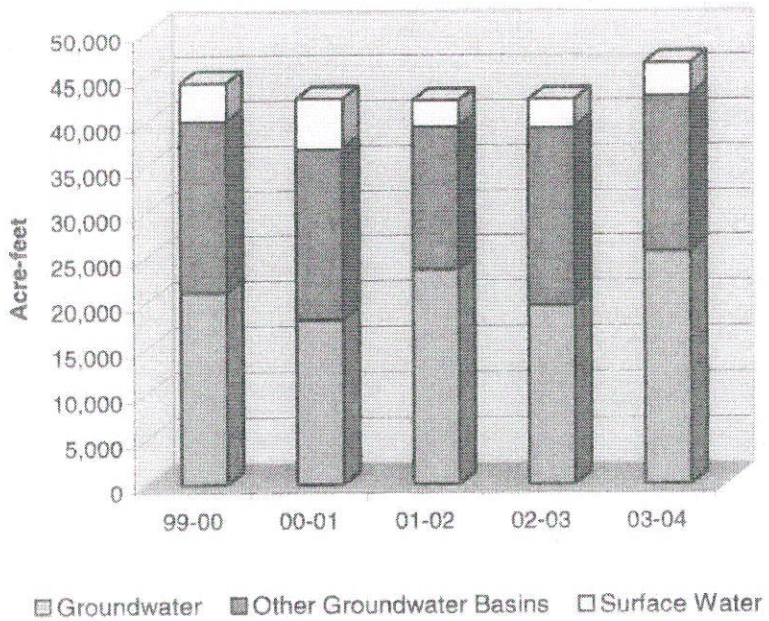
Fontana Water Company
FY 2003-04 Water Production Report

FY 2003-04
Total Water Production

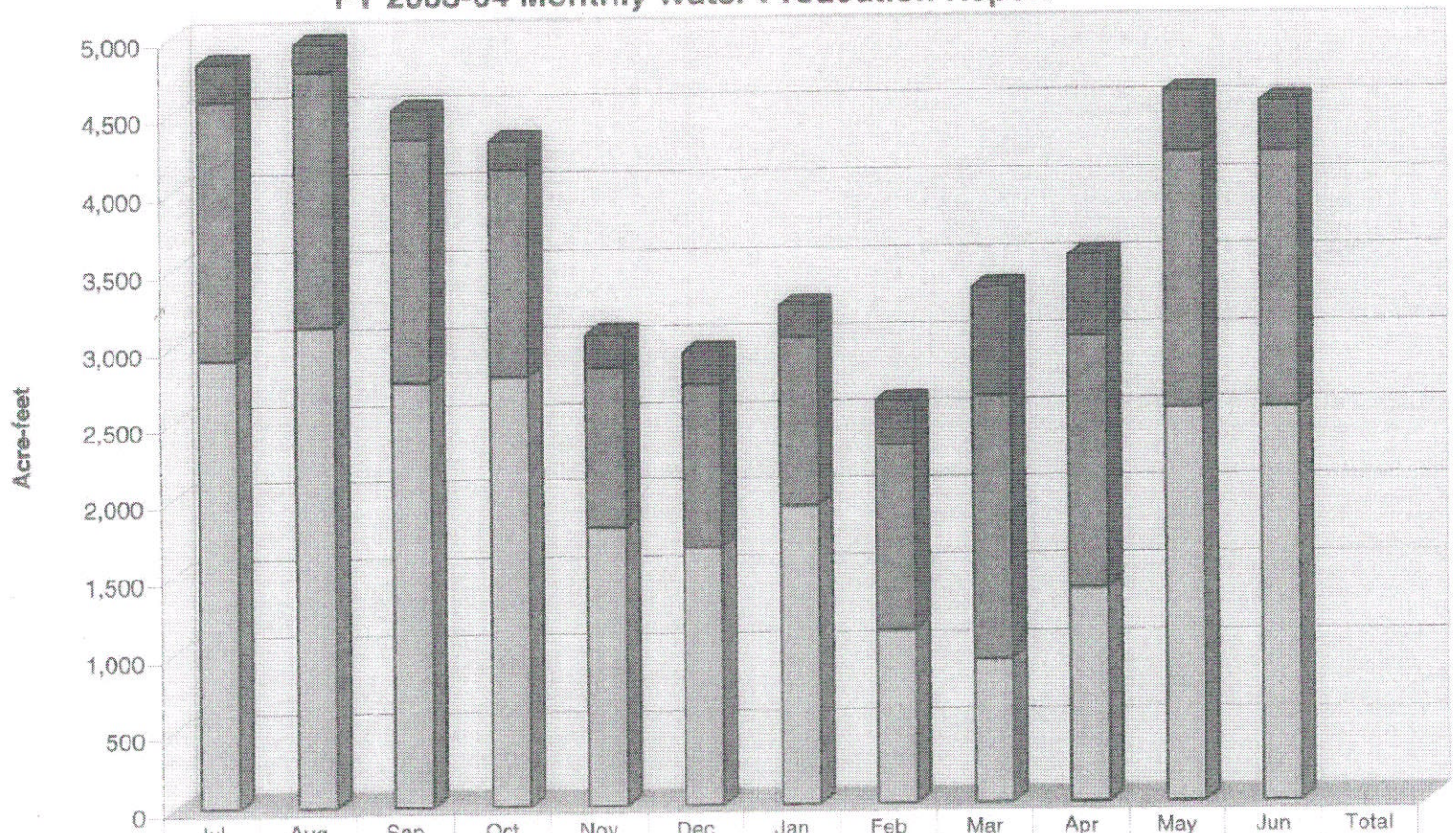


The Fontana Water Company is 20 percent (46,436 acre-feet) out of a total production of 229,454 acre-feet in the IEUA service area.

5 Year Water Production



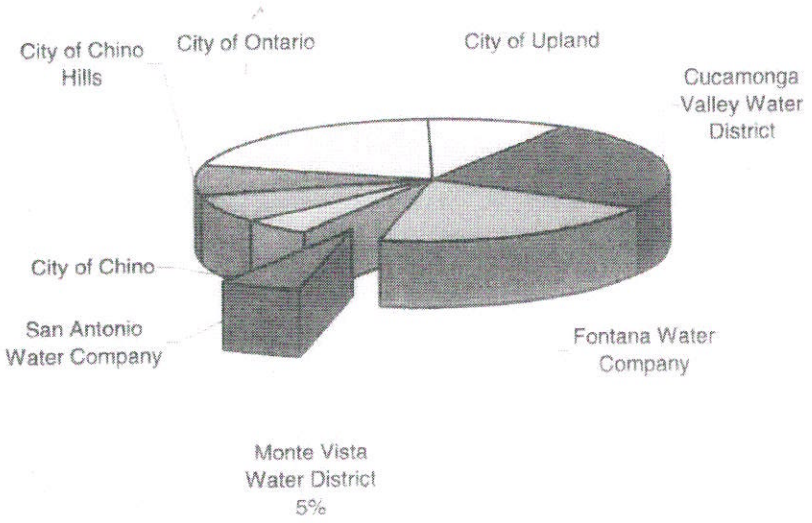
Fontana Water Company
FY 2003-04 Monthly Water Prodcution Report



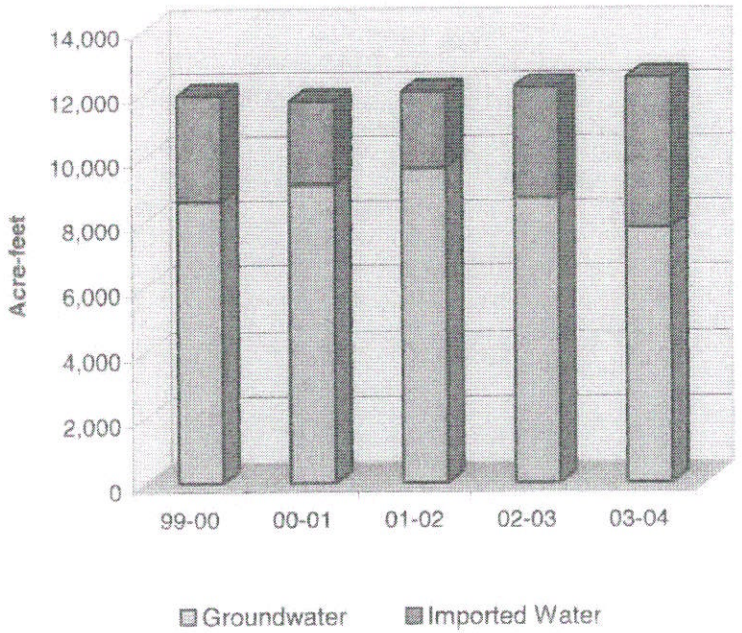
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	4,828.0	4,948.6	4,517.2	4,313.6	3,057.2	2,936.0	3,234.2	2,603.3	3,341.4	3,540.9	4,590.1	4,525.6	46,436.1
Surface Water	241.6	170.4	187.5	187.9	211.0	208.6	206.3	290.0	711.1	520.8	385.9	321.4	3,642.2
Other Groundwater	1,666.5	1,654.0	1,571.6	1,337.4	1,044.4	1,055.6	1,098.6	1,189.2	1,701.2	1,635.4	1,656.5	1,656.5	17,266.9
Groundwater	2,919.9	3,124.2	2,758.1	2,788.3	1,801.8	1,671.8	1,929.3	1,124.1	929.1	1,384.8	2,547.8	2,547.8	25,527.0

Monte Vista Water District
FY 2003-04 Water Production Report

FY 2003-04
Total Water Production

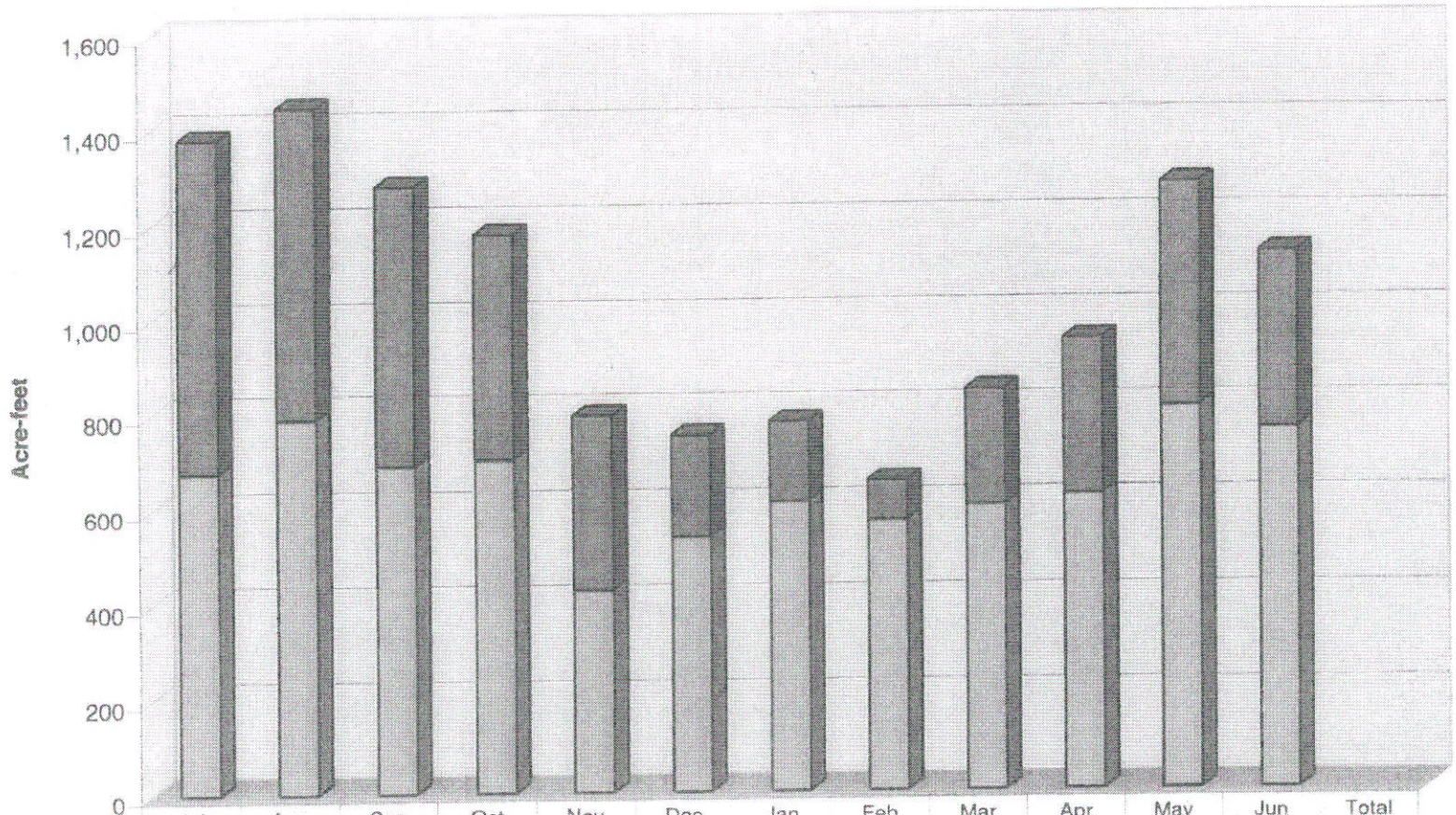


5-Year Water Production



The Monte Vista Water District is 5 percent (12,448 acre-feet) out of a total production of 229,454 acre-feet in the IEUA service area.

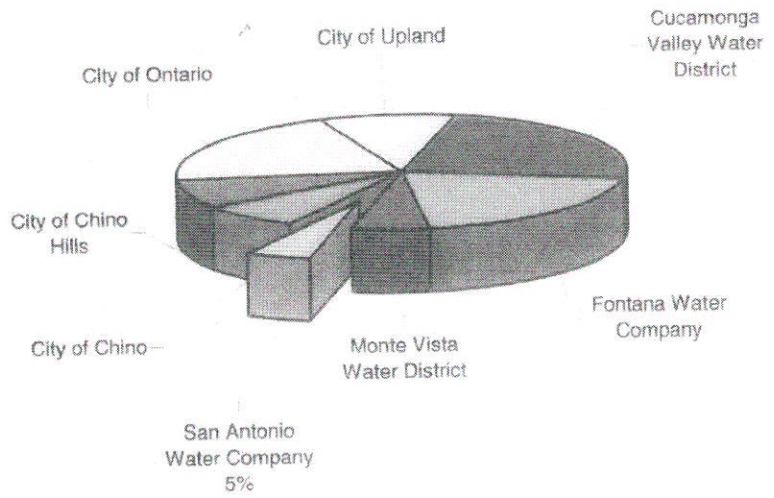
Monte Vista Water District
FY 2003-04 Monthly Water Production Report



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	1,380.0	1,446.4	1,280.0	1,177.6	791.7	748.8	776.9	650.3	841.3	947.6	1,276.3	1,130.6	12,447.4
Imported Water	704.1	658.4	590.2	475.6	364.3	212.9	166.3	80.0	241.5	325.0	473.2	375.2	4,666.8
Groundwater	675.9	788.1	689.8	702.1	427.4	535.9	610.6	570.2	599.8	622.6	803.1	755.4	7,780.7

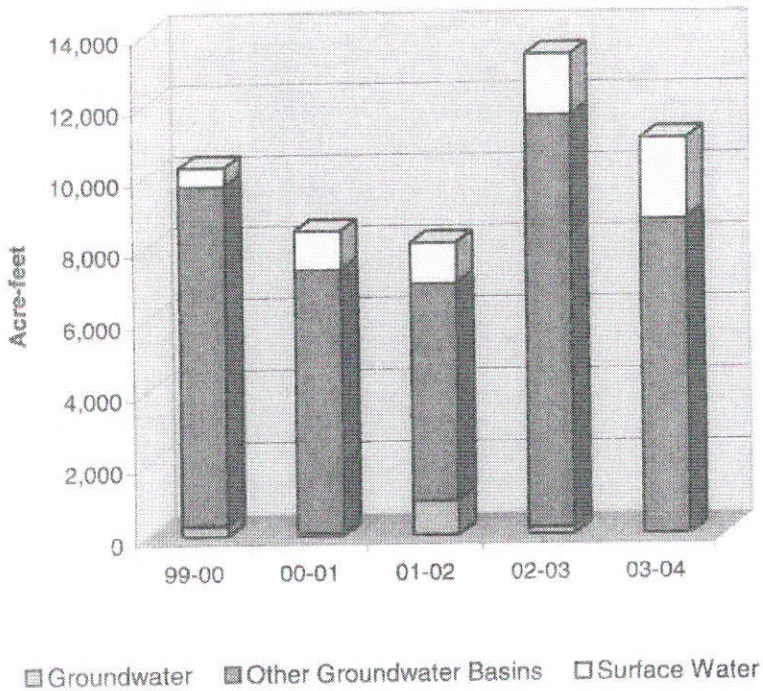
San Antonio Water Company
FY 2003-04 Water Production Report

FY 2003-04
Total Water Production

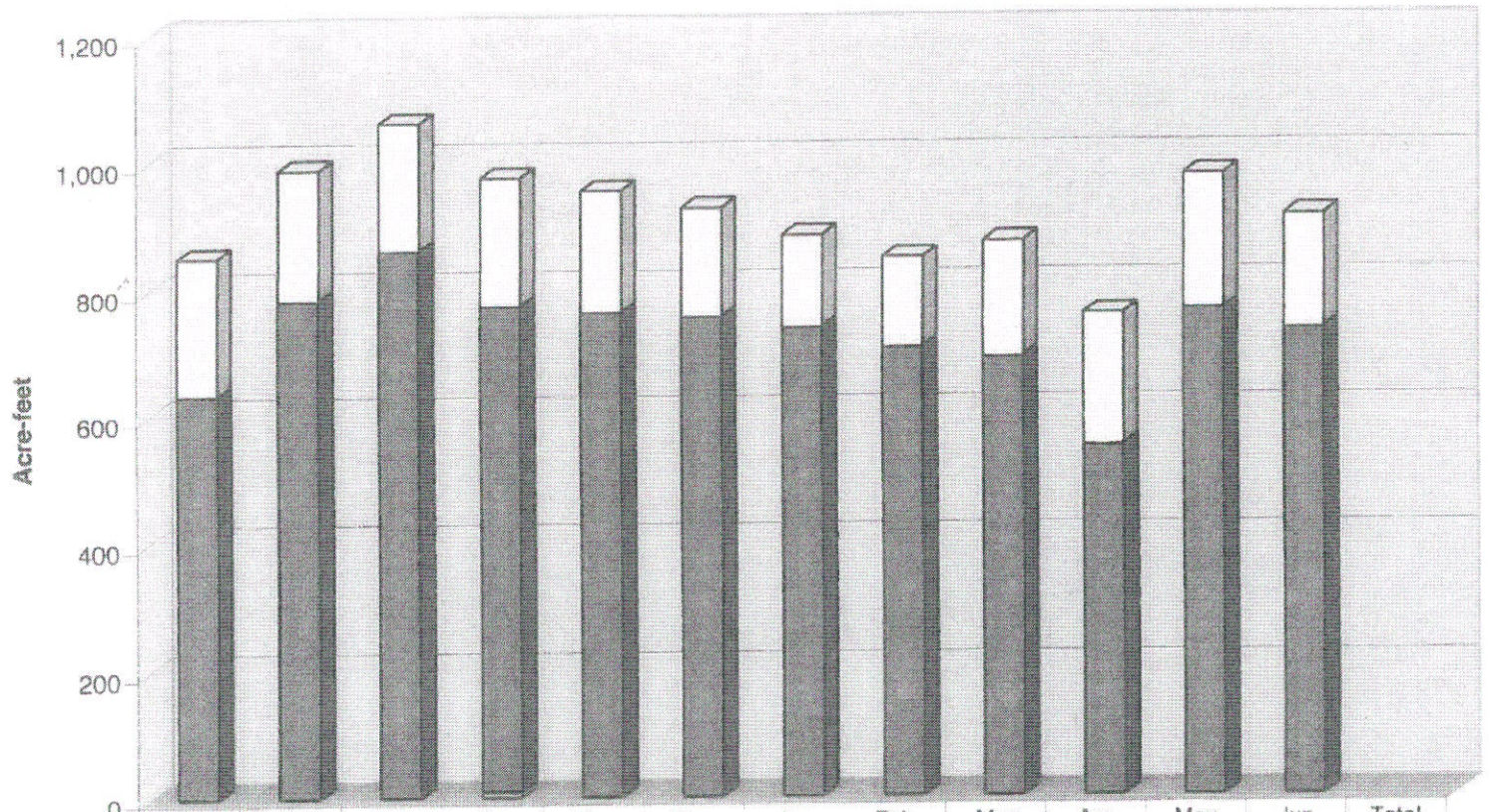


The San Antonio Water Company is 5 percent (10,990 acre-feet) out of a total production of 229,454 acre-feet in the IEUA service area.

5-Year Water Production

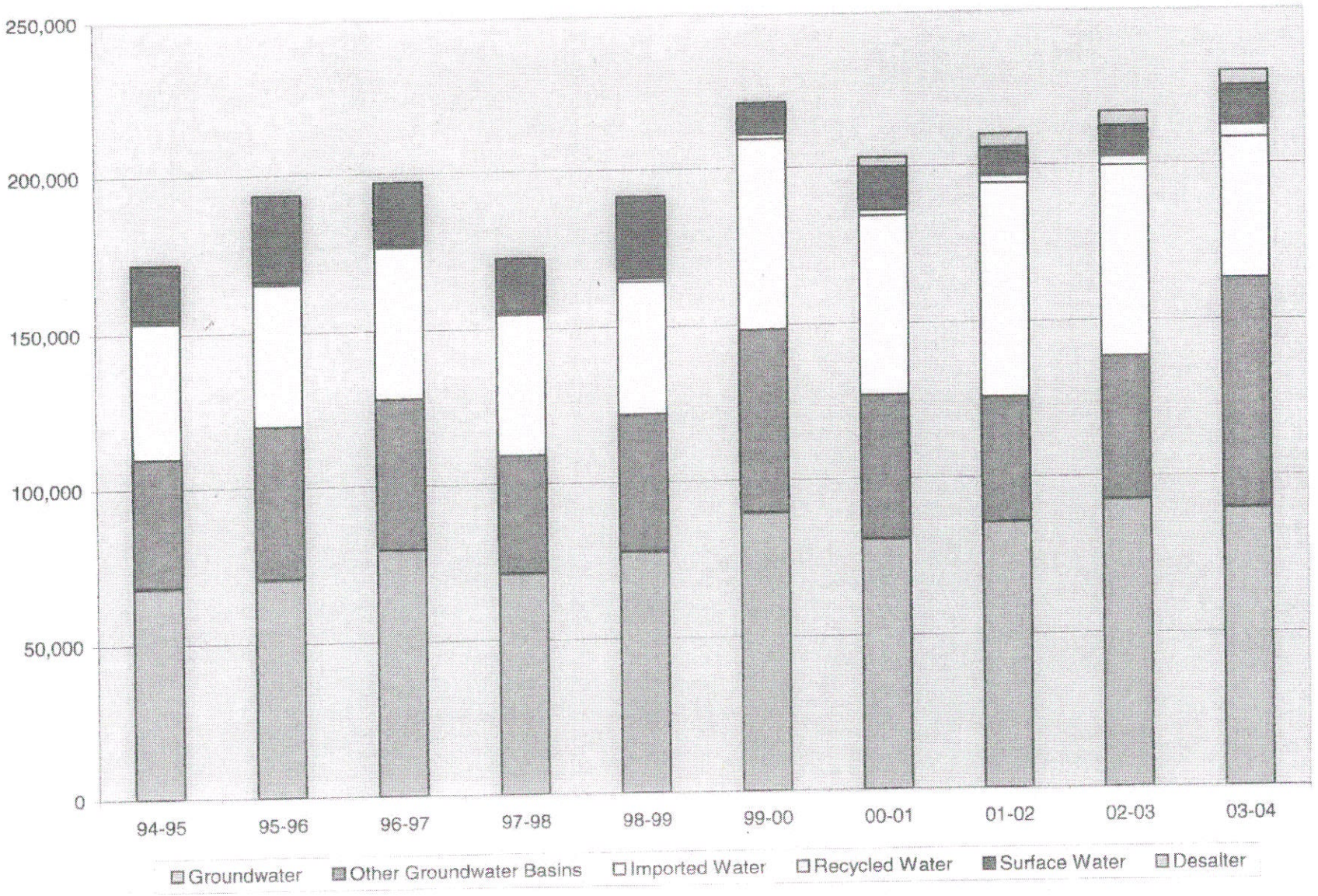


San Antonio Water Company
FY 2003-04 Monthly Water Production Report



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	850.9	987.7	1,059.4	973.9	953.1	925.1	881.8	846.1	870.9	755.9	974.5	910.3	10,989.6
Surface Water	218.2	204.6	200.3	202.3	192.8	172.3	146.2	143.6	183.4	209.6	211.8	181.4	2,266.5
Other Groundwater	632.7	783.0	859.1	762.0	758.7	752.8	735.6	702.5	687.5	546.3	762.7	728.9	8,711.9
Groundwater	0.1	0.0	0.0	9.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3

IEUA Service Area
10-Year Historical Water Production



Definitions

Desalter Water – Means product water from the Chino Desalter I. Groundwater, with high levels of TDS, is treated and distributed to several retail water agencies within the Inland Empire Water Agency (IEUA) service area for potable uses.

Groundwater – Means water pumped from the Chino Basin aquifer and treated by retail water agencies for all potable uses within the IEUA service area.

Imported Water – Means water from the Colorado River or Northern California and supplied by the Metropolitan Water District of Southern California (MWD), and water transferred from other groundwater basins to retail water agencies operating within the IEUA service area.

Recycled Water – Means highly treated wastewater (meeting Title 22 standards) produced by IEUA for distribution through separate pipelines to retail water agency customers for all non-potable uses.

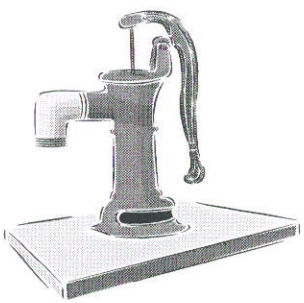
Surface Water – Means water collected by retail water agencies from mountain runoff and storm flows, which is collected and treated for potable use.

Water From Other Basins – Means water transferred from other groundwater basins to retail water agencies operating within the IEUA service area. In this report, "water from other basins" is shown within the category of monthly "other groundwater."

Inland Empire
UTILITIES AGENCY

Annual Water Production Summary Report for IEUA Service Area

FY 2004-05
Retail Agency
Monthly Water Production and
Five-Year History



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Preface
2004-2005 Production Report

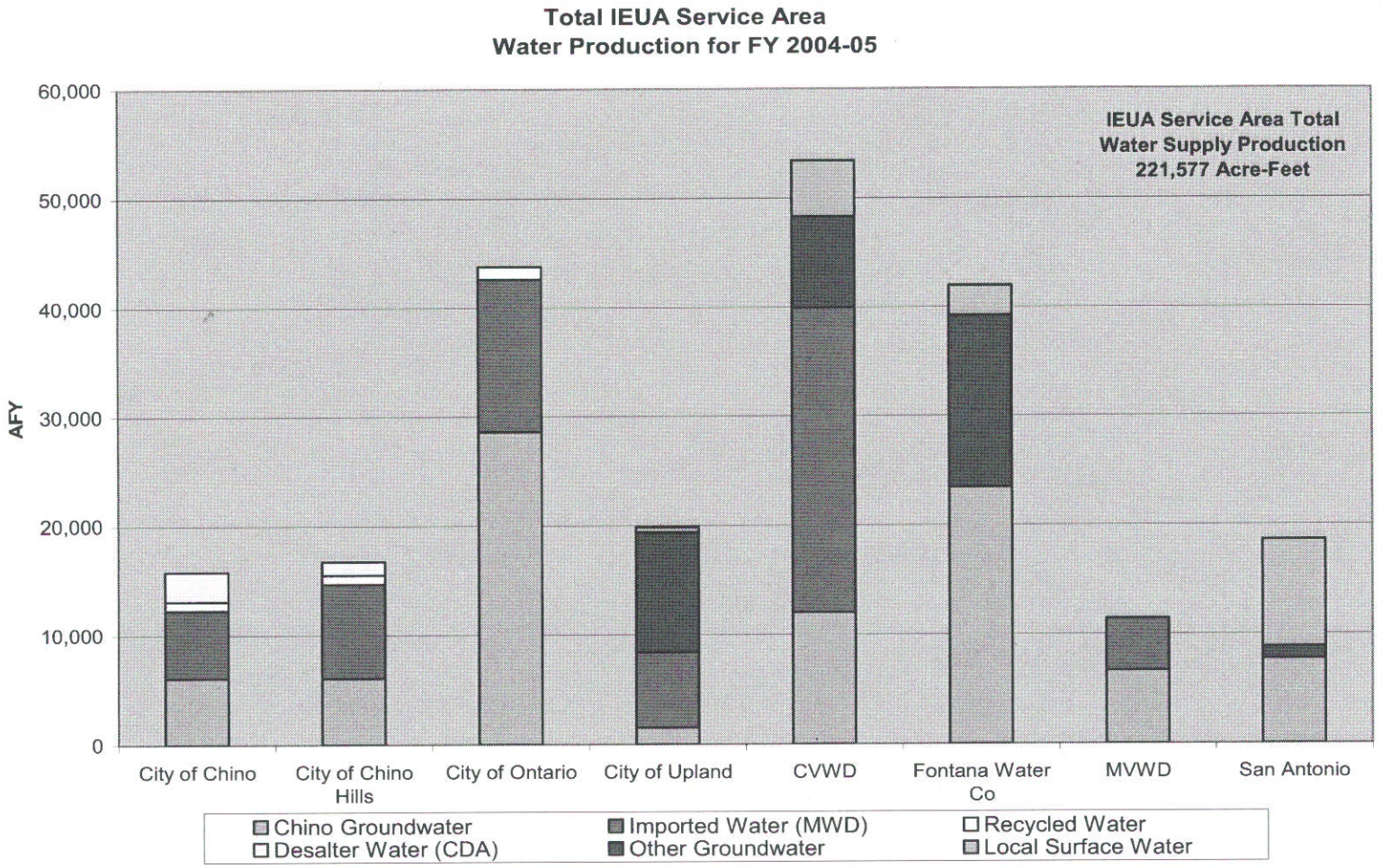
The Annual Water Production Summary Report provides an overview of the total water supplies produced within IEUA's service area to meet urban (residential, commercial, industrial and institutional) water demand.

In FY 2004-2005, the total water produced to meet urban water demand was approximately 222,000 acre-feet, down from 240,000 acre-feet in FY 2003-2004. The area experienced the second highest rainfall recorded in Southern California in the last 100 years, especially for outdoor irrigation, during the fiscal year. Water use was reduced by 8 percent even though the IEUA service area population has grown by 80,000 people during the same time period. Water use in general has not increased during the past five years. The expansion of the regional water conservation programs over the last five years is also helping to keep water use as low as possible while the region is growing.

The mix of water supplies produced within the Agency's service area has diversified over the past five years, with the Chino Basin desalter projects and recycled water representing a significant new supply for the area. The development of these local sources of supply has helped retail agencies to stay within the Tier 1 imported water purchases in 2004 and likely in 2005.

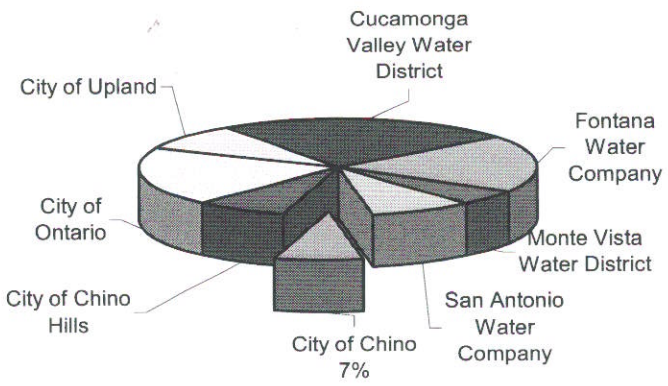
IEUA would like to thank the cities, retail water agencies and Chino Bain Watermaster for their assistance in compiling the data contained in this production report.

Richard W. Atwater
CEO/General Manager
Inland Empire Utilities Agency


Total IEUA Service Area
Water Production for FY 2004-05
IEUA Service Area Total
Water Supply Production
221,577 Acre-Feet
AFY
60,000
50,000
40,000
30,000
20,000
10,000
0
City of Chino
City of Chino Hills
City of Ontario
City of Upland
CVWD
Fontana Water Co
MVWD
San Antonio
Chino Groundwater
Desalter Water (CDA)
Imported Water (MWD)
Other Groundwater
Recycled Water
Local Surface Water

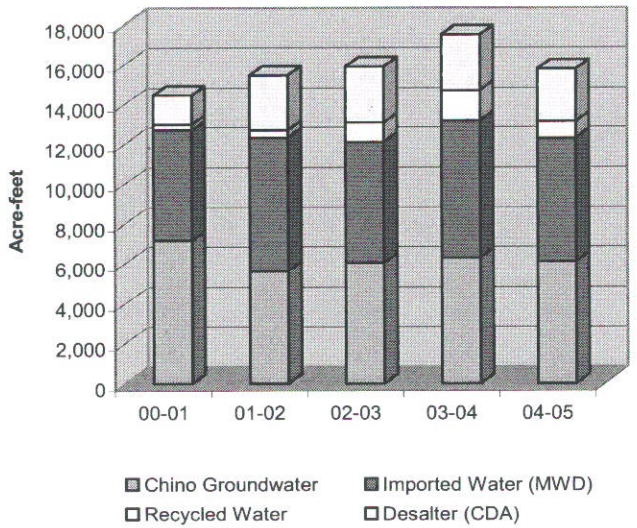
City of Chino
FY 2004-05 Water Production Report

FY 2004-05
Total Water Production

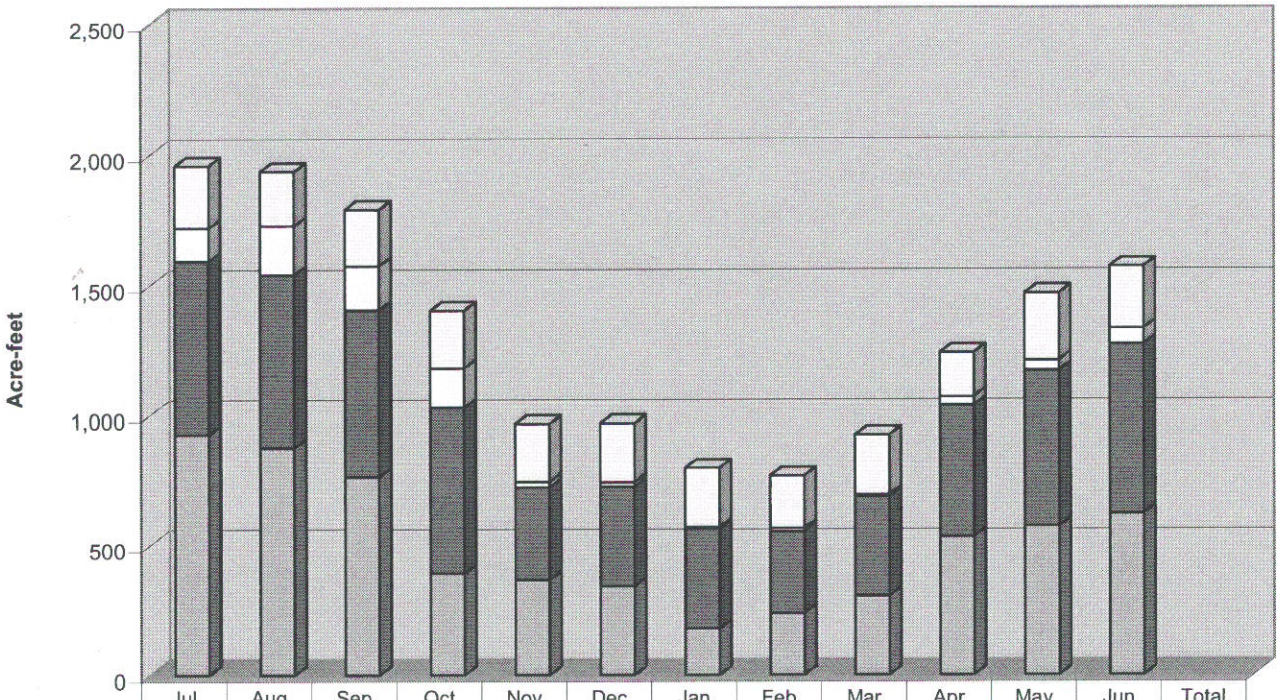


The City of Chino is 7 percent (15,759 acre-feet) out of a total production of 221,577 acre-feet in the IEUA service area.

5 Year Water Production



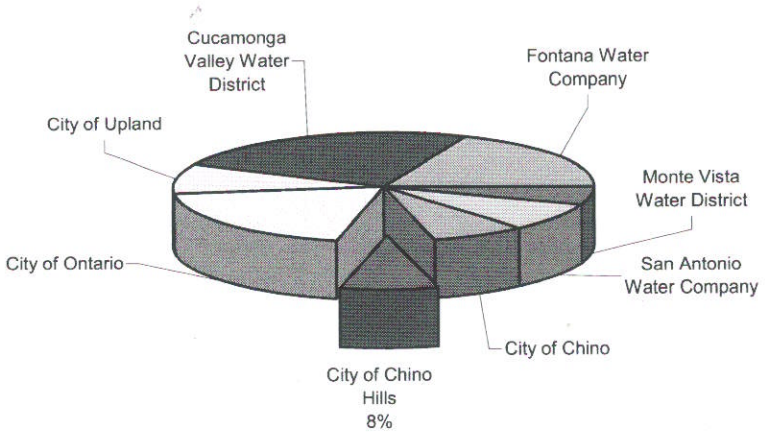
City of Chino
FY 2004-05 Monthly Water Production Report



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	1,957.0	1,933.7	1,787.7	1,401.8	964.7	966.2	793.9	763.6	921.3	1,236.1	1,465.3	1,567.6	15,758.8
Desalter Water (CDA)	238.7	207.0	216.2	221.9	223.0	226.5	225.4	200.7	228.6	168.7	258.5	238.5	2,653.7
Recycled Water	125.7	187.4	167.8	152.5	21.0	16.5	7.5	12.0	8.3	32.9	37.7	60.3	829.5
Imported Water (MWD)	666.6	665.3	642.7	637.4	354.7	383.2	383.0	315.9	381.4	504.3	597.1	648.5	6,180.1
Chino Groundwater	926.0	874.0	761.0	390.0	366.0	340.0	178.0	235.0	303.0	530.2	572.0	620.3	6,095.5

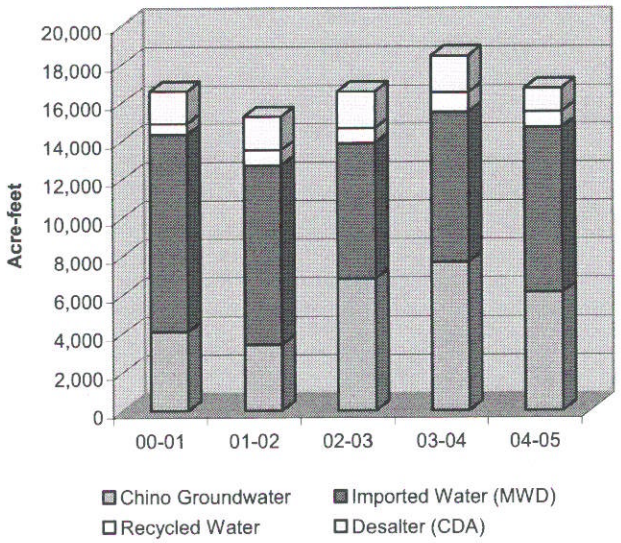
City of Chino Hills
FY 2004-05 Water Production Report

FY 2004-05
Total Water Production

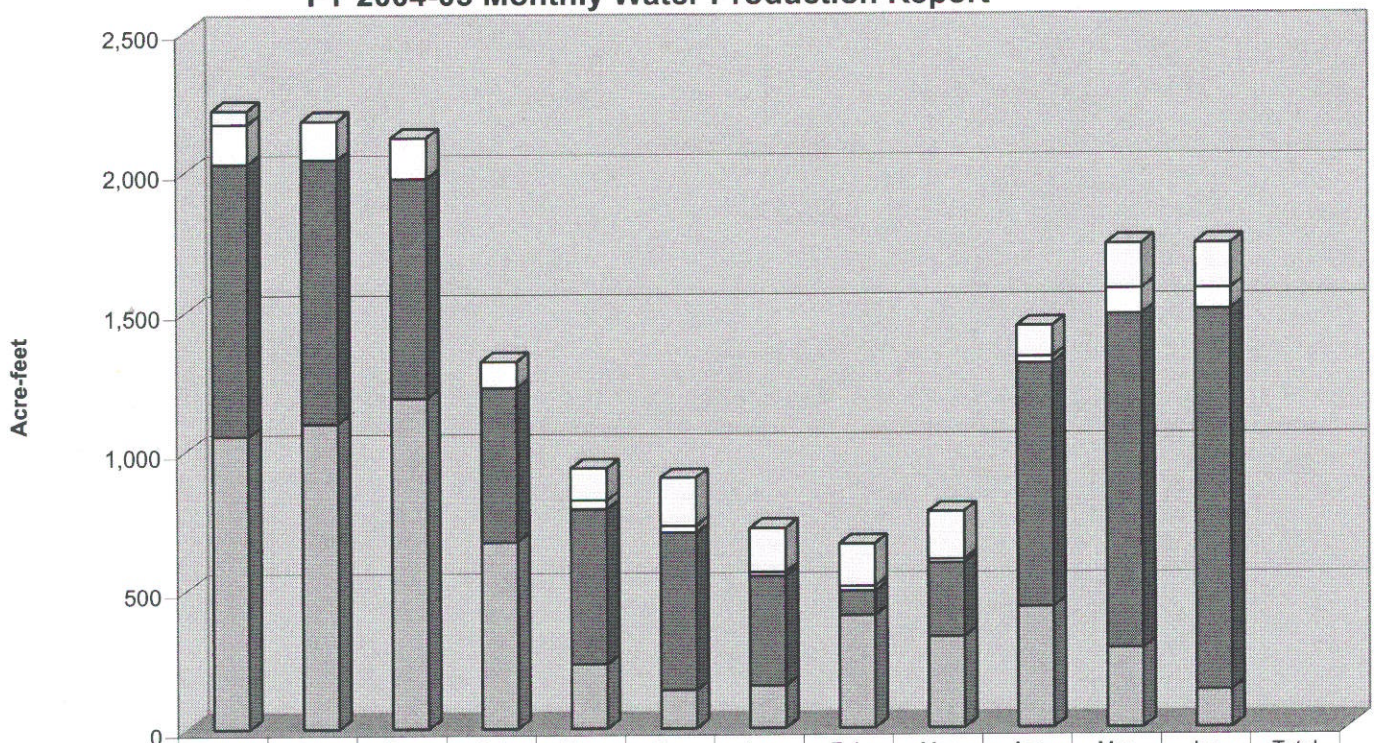


The City of Chino Hills is 8 percent (16,727 acre-feet) out of a total production of 221,577 acre-feet in the IEUA service area.

5 Year Water Production



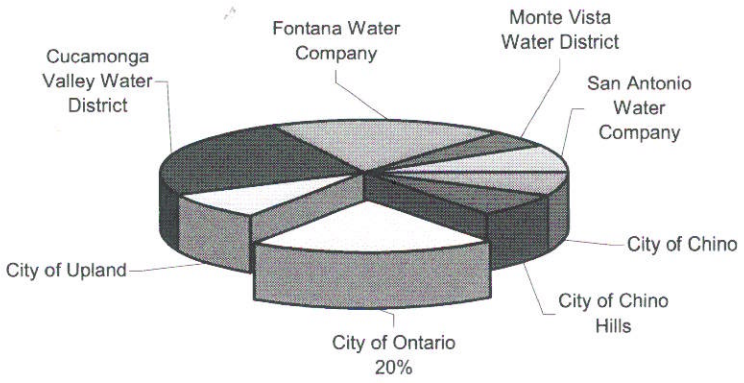
City of Chino Hills
FY 2004-05 Monthly Water Production Report



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	2,216.0	2,179.3	2,119.0	1,318.6	934.3	898.8	716.6	659.0	774.4	1,441.2	1,734.2	1,735.1	16,726.5
Desalter Water (CDA)	47.6	0.0	0.0	0.0	114.2	173.2	157.3	152.1	170.2	112.4	160.8	162.0	1,249.8
Recycled Water	142.2	139.1	147.6	93.9	34.1	25.1	15.1	16.7	13.4	22.0	91.0	74.9	815.1
Imported Water (MWD)	974.8	943.8	783.3	555.1	555.0	561.7	391.0	86.7	264.6	874.0	1,198.4	1,364.8	8,553.2
Chino Groundwater	1,051.4	1,096.4	1,188.1	669.6	231.0	138.8	153.2	403.5	326.2	432.8	284.0	133.4	6,108.4

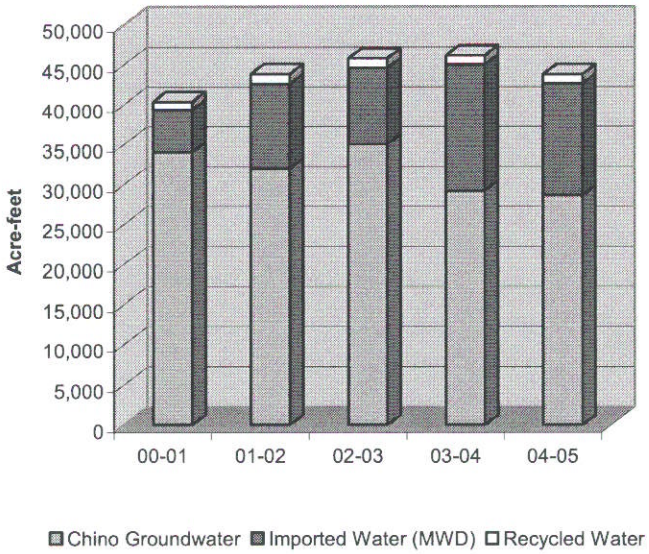
City of Ontario
FY 2004-05 Water Production Report

FY 2004-05
Total Water Production

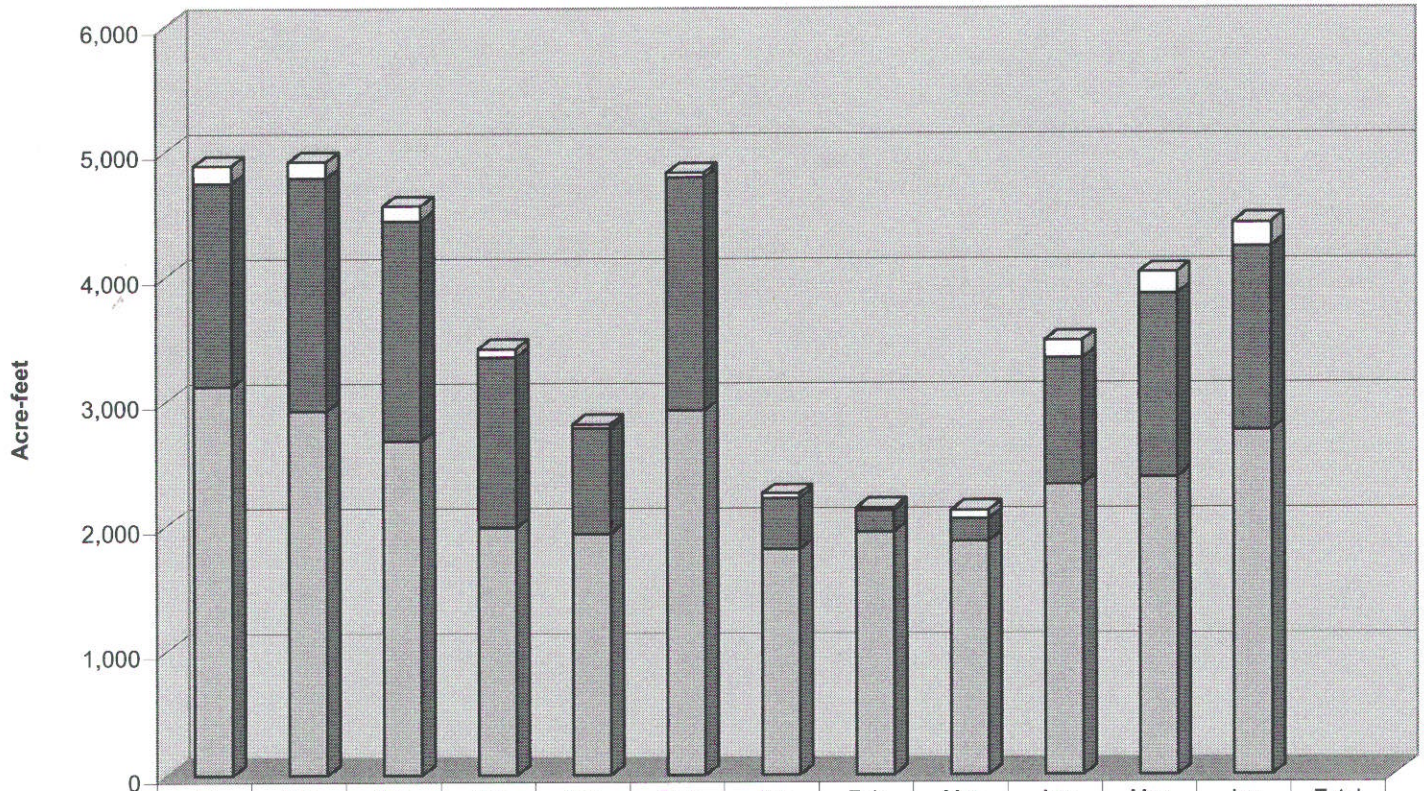


The City of Ontario is 20 percent (43,802 acre-feet) out of a total production of 221,577 acre-feet in the IEUA service area.

5 Year Water Production



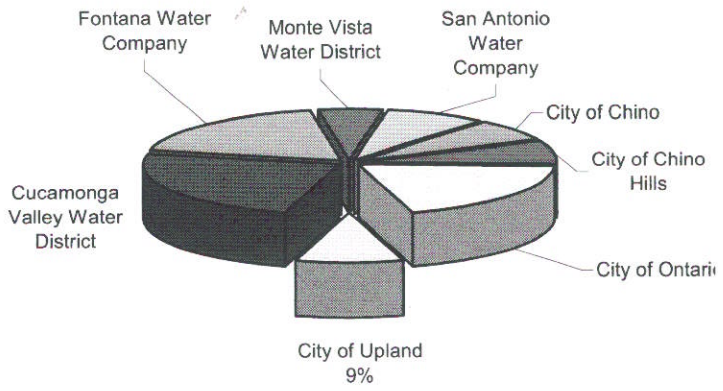
City of Ontario
FY 2004-05 Monthly Water Production Report



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	4,882.7	4,911.2	4,556.8	3,412.7	2,809.5	4,817.2	2,249.8	2,134.6	2,113.1	3,475.8	4,018.6	4,419.6	43,801.6
Recycled Water	143.4	131.7	116.8	64.9	33.2	37.7	40.5	20.3	69.0	143.5	170.0	198.2	1,169.2
Imported Water (MWD)	1,624.9	1,860.1	1,763.8	1,370.7	842.0	1,860.1	400.6	172.8	172.8	1,006.8	1,471.2	1,466.3	14,012.1
Chino Groundwater	3,114.4	2,919.4	2,676.2	1,977.1	1,934.3	2,919.4	1,808.7	1,941.5	1,871.3	2,325.5	2,377.4	2,755.1	28,620.3

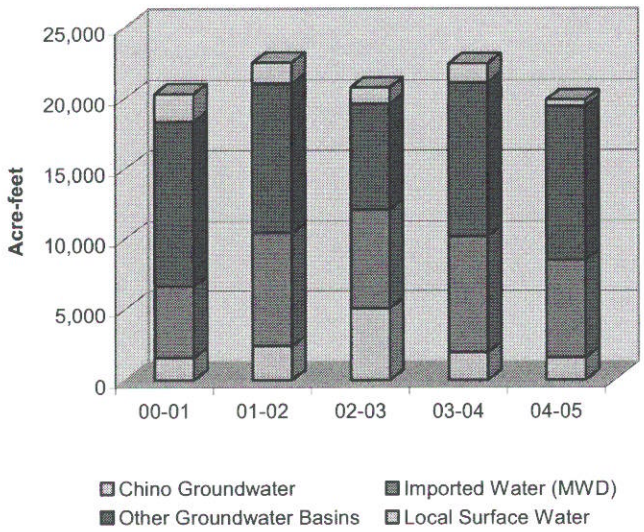
City of Upland
FY 2004-05 Water Production Report

FY 2004-05
Total Water Production

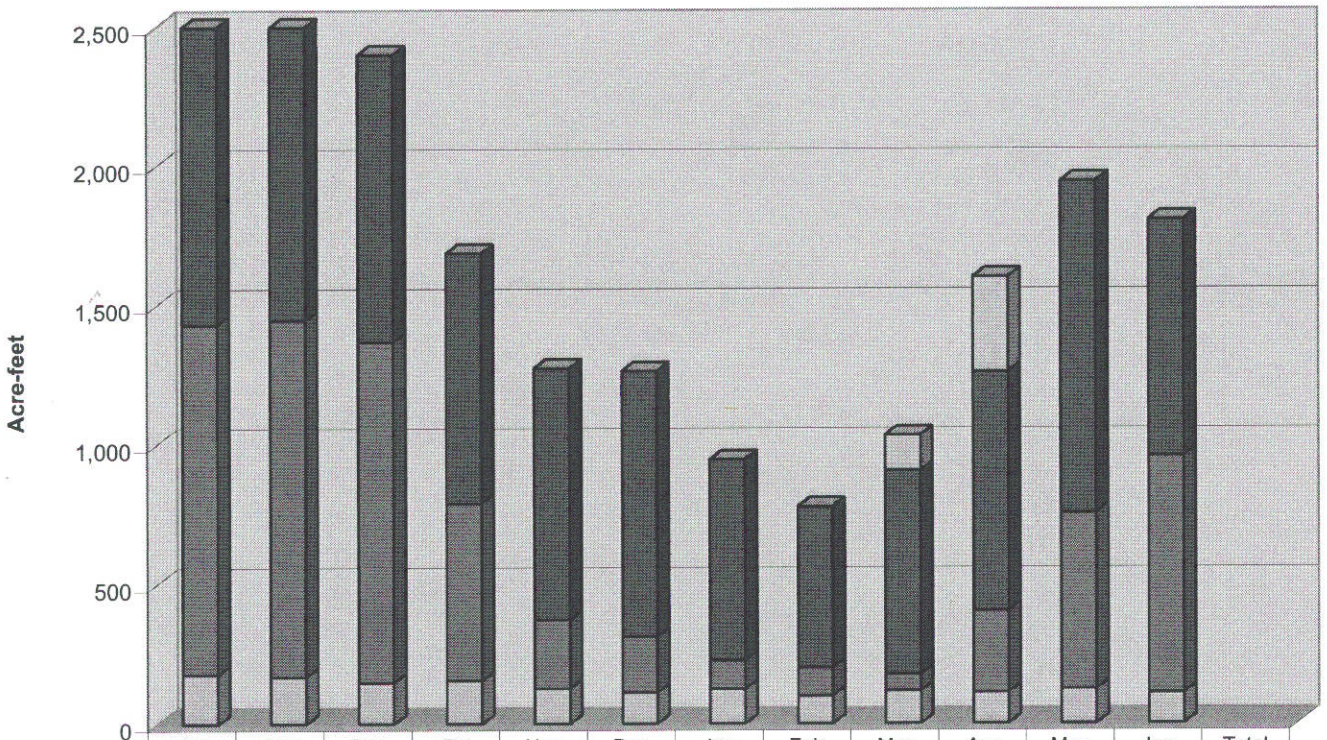


The City of Upland is 9 percent (19,847 acre-feet) out of a total production of 221,577 acre-feet in the IEUA service area.

5 Year Water Production



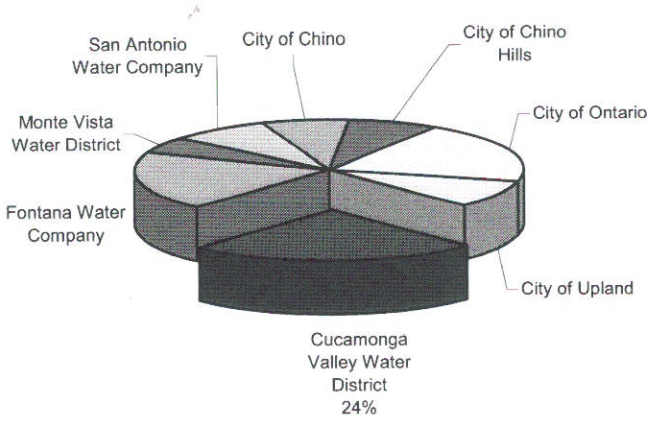
City of Upland
FY 2004-05 Monthly Water Production Report



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	2,566.9	2,572.2	2,400.0	1,685.1	1,272.3	1,262.6	944.2	774.0	1,029.5	1,597.4	1,940.5	1,802.5	19,847.0
Local Surface Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127.0	340.3	0.0	0.0	467.3
Other Groundwater	1,138.5	1,126.7	1,032.6	898.3	898.7	949.8	716.2	573.0	726.2	852.9	1,187.3	846.9	10,947.1
Imported Water (MWD)	1,251.3	1,277.6	1,218.7	631.8	248.3	201.1	103.0	102.1	59.9	292.9	629.9	846.9	6,863.3
Chino Groundwater	177.1	167.9	148.7	155.0	125.3	111.7	125.0	98.9	116.4	111.3	123.3	108.7	1,569.3

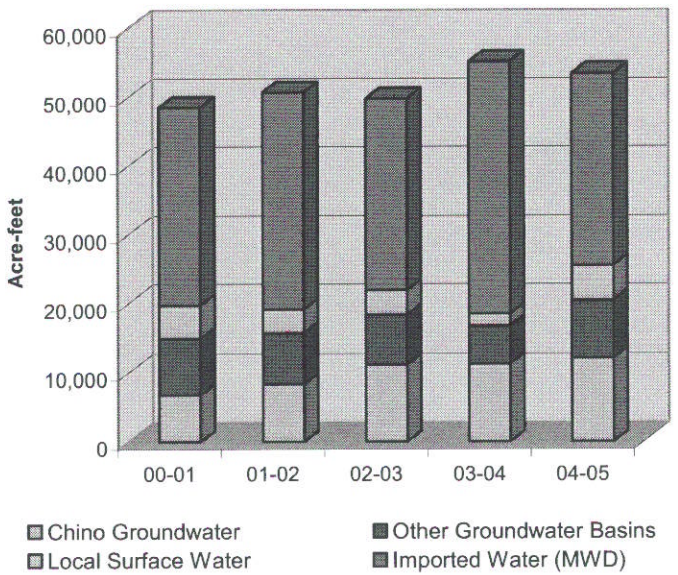
Cucamonga Valley Water District
FY 2004-05 Water Production Report

FY 2004-05
Total Water Production

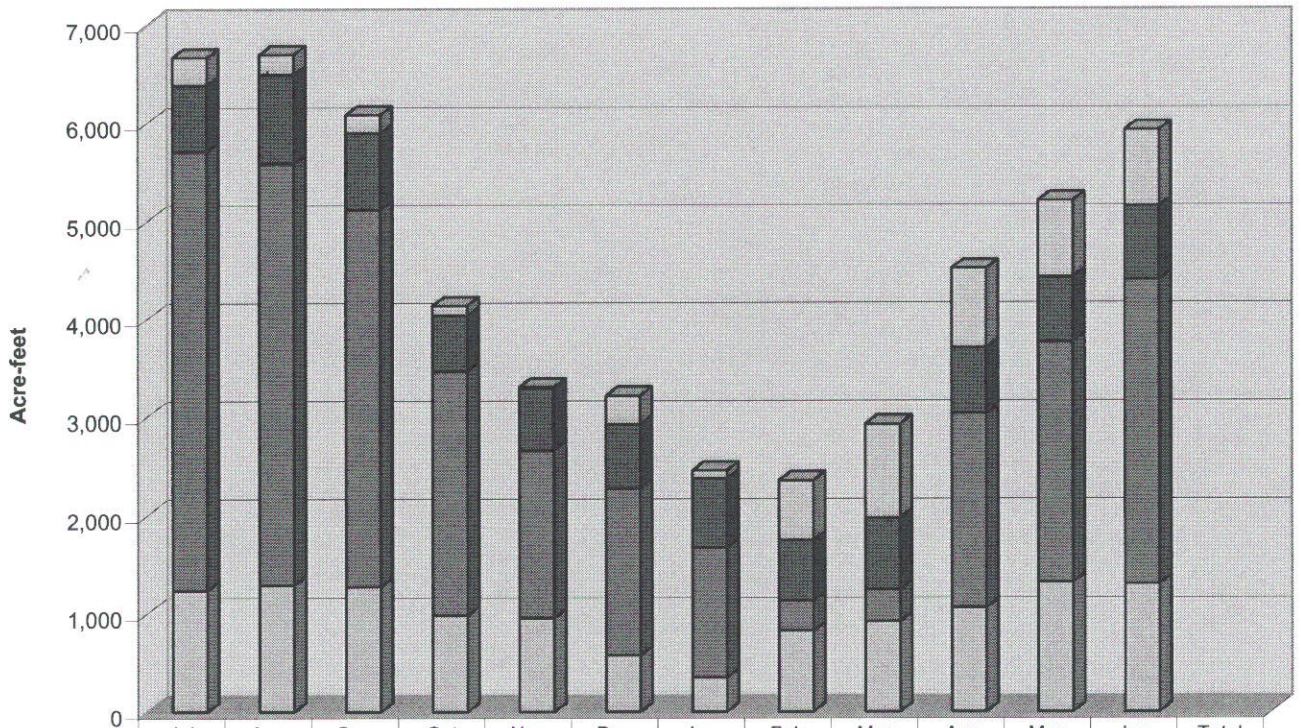


The Cucamonga Valley Water District is 24 percent (53,425 acre-feet) out of a total production of 221,577 acre-feet in the IEUA service area.

5 Year Water Production



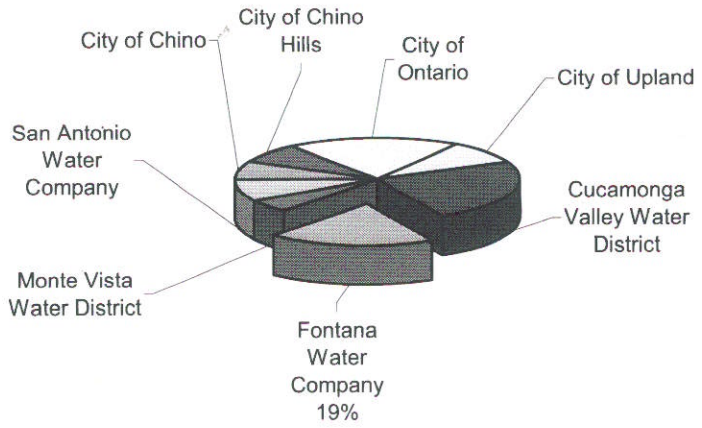
Cucamonga Valley Water District
FY 2004-05 Monthly Water Production Report



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	6,665.8	6,695.8	6,081.1	4,132.3	3,299.6	3,214.4	2,447.8	2,344.4	2,916.1	4,508.4	5,200.6	5,918.8	53,425.1
Local Surface Water	278.4	205.8	191.7	99.6	15.6	292.6	83.9	607.8	947.6	810.6	781.0	772.2	5,086.8
Other Groundwater	680.9	906.3	777.0	569.6	631.3	653.6	699.6	607.8	724.5	678.7	664.9	756.6	8,350.8
Imported Water (MWD)	4,470.6	4,294.7	3,841.4	2,485.4	1,701.4	1,695.5	1,317.2	307.6	325.7	1,965.4	2,440.8	3,091.2	27,936.9
Chino Groundwater	1,235.9	1,289.0	1,271.0	977.7	951.3	572.7	347.1	821.2	918.3	1,053.7	1,313.9	1,298.9	12,050.7

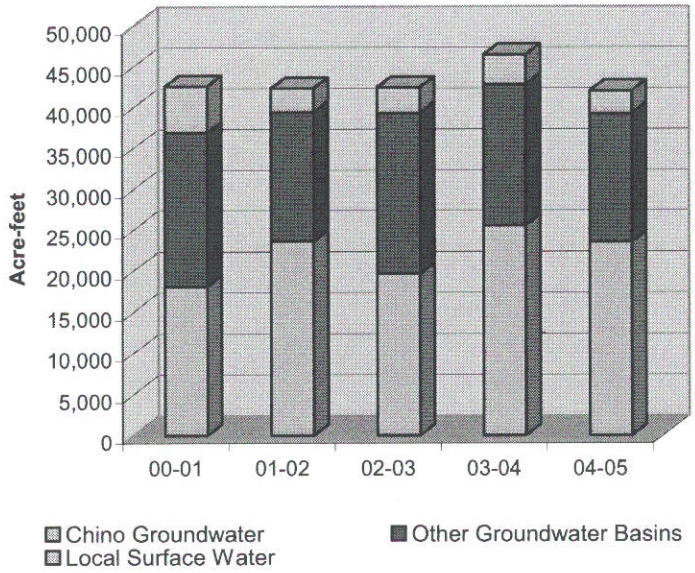
Fontana Water Company
FY 2004-05 Water Production Report

FY 2004-05
Total Water Production

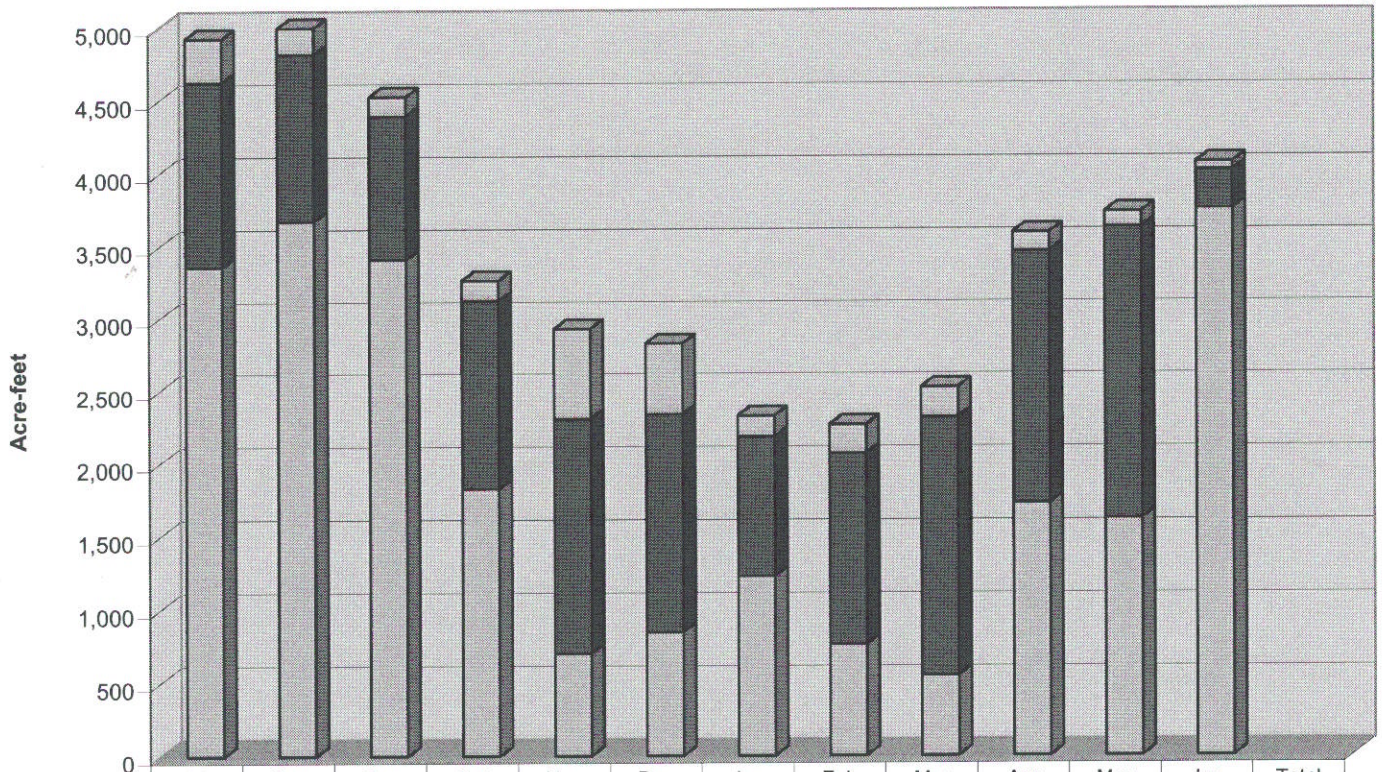


The Fontana Water Company is 19 percent (41,999 acre-feet) out of a total 221,577 acre-feet in the IEUA service area.

5 Year Water Production



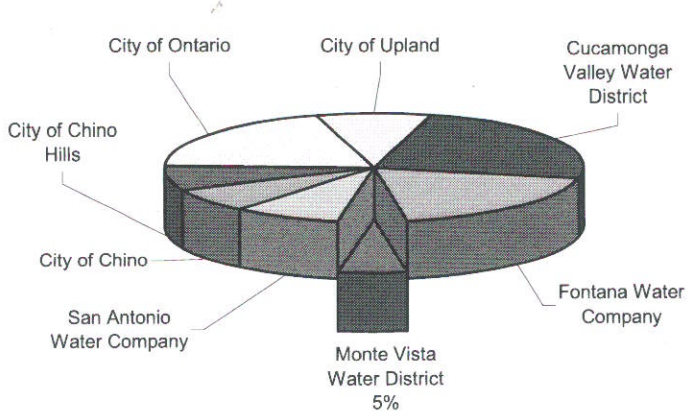
Fontana Water Company
FY 2004-05 Monthly Water Production Report



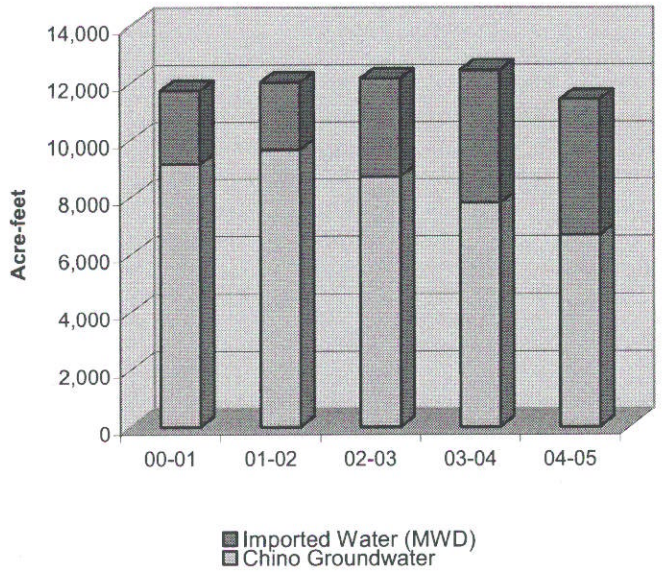
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	4,927.9	5,056.1	4,525.5	3,261.1	2,923.1	2,817.6	2,319.4	2,262.2	2,516.2	3,585.6	3,727.0	4,067.0	41,988.8
Local Surface Water	301.8	239.4	130.5	138.5	618.7	483.5	137.6	196.7	207.0	128.5	104.5	55.4	2,742.0
Other Groundwater	1,268.3	1,144.8	988.9	1,297.0	1,603.4	1,487.9	956.6	1,303.5	1,759.7	1,734.5	2,001.5	265.2	15,811.2
Chino Groundwater	3,357.8	3,672.0	3,406.2	1,825.5	701.0	846.2	1,225.2	762.0	549.6	1,722.6	1,621.0	3,746.5	23,435.6

Monte Vista Water District
FY 2004-05 Water Production Report

FY 2004-05
Total Water Production

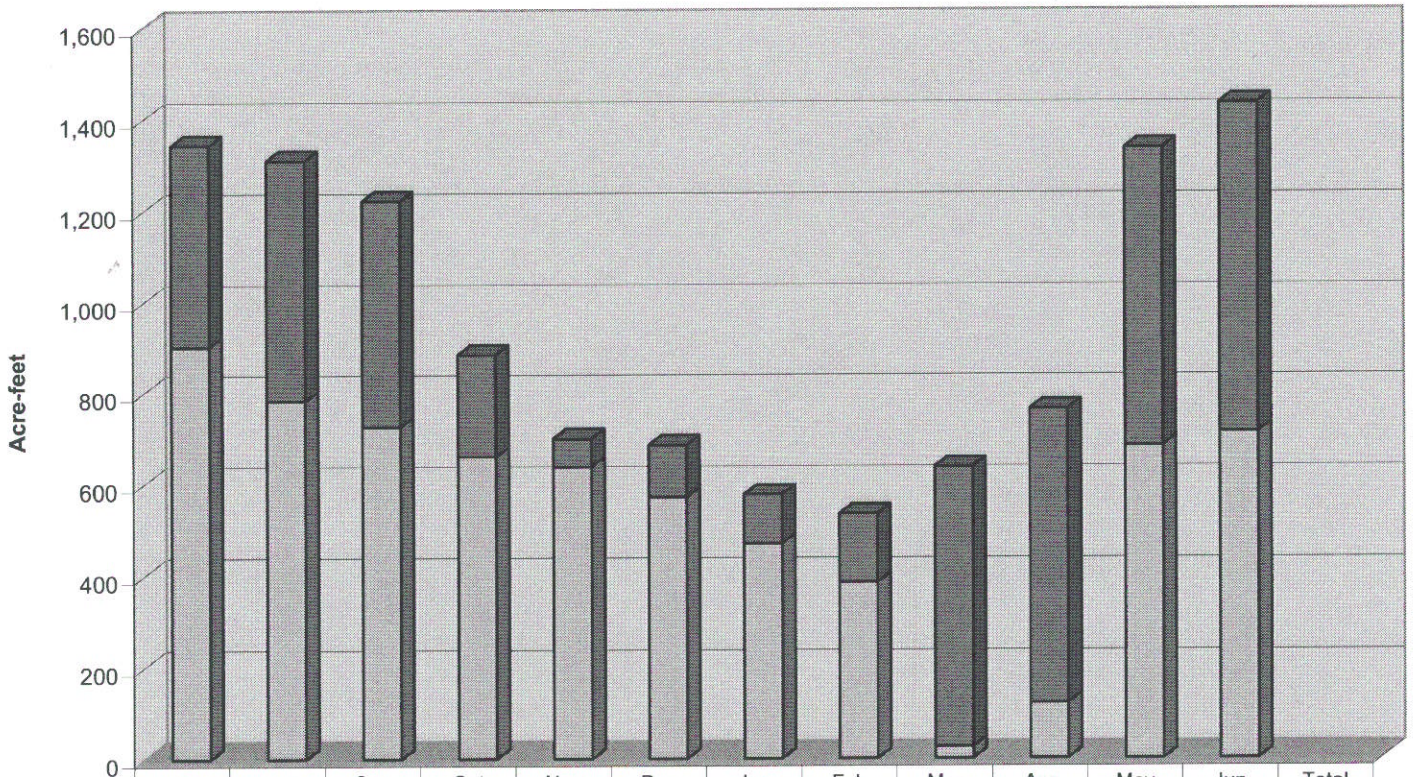


5 Year Water Production



The Monte Vista Water District is 5 percent (11,418 acre-feet) out of a total production of 221,577 acre-feet in the IEUA service area.

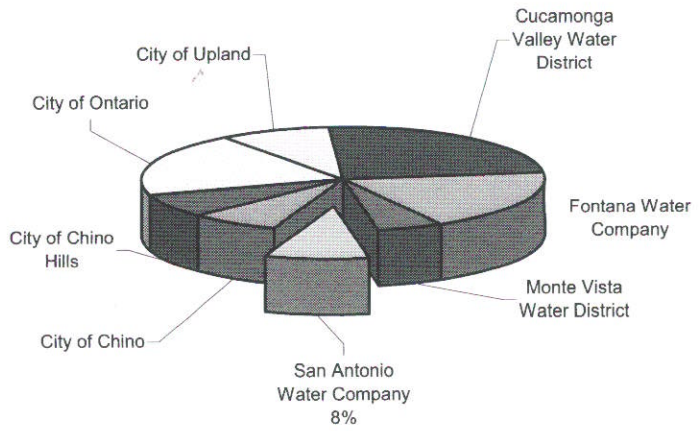
Monte Vista Water District
FY 2004-05 Monthly Water Production Report



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	1,344.0	1,310.7	1,221.4	884.0	698.7	684.1	575.6	534.0	634.6	761.6	1,335.9	1,433.1	11,417.6
Imported Water (MWD)	442.2	528.9	496.7	225.0	62.6	114.0	106.9	148.9	609.2	639.9	653.8	721.6	4,749.6
Chino Groundwater	901.9	781.8	724.7	659.0	636.1	570.2	468.7	385.1	25.4	121.7	682.1	711.5	6,668.0

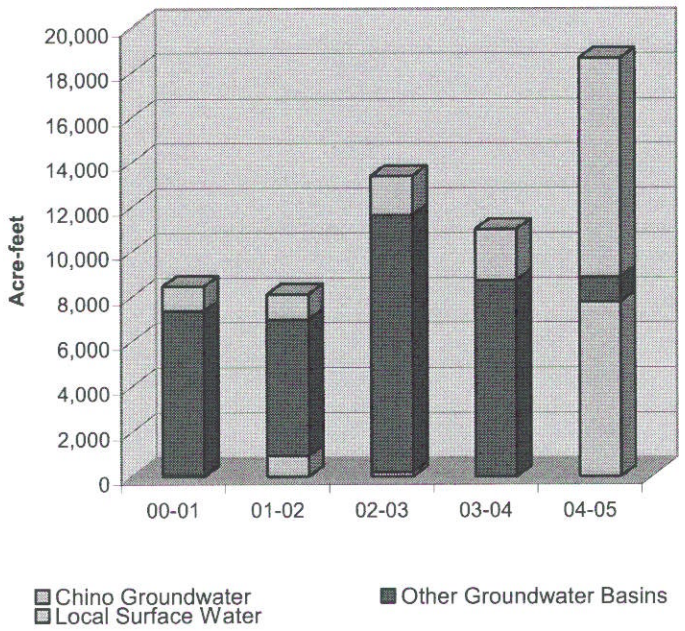
San Antonio Water Company
FY 2004-05 Water Production Report

FY 2004-05
Total Water Production

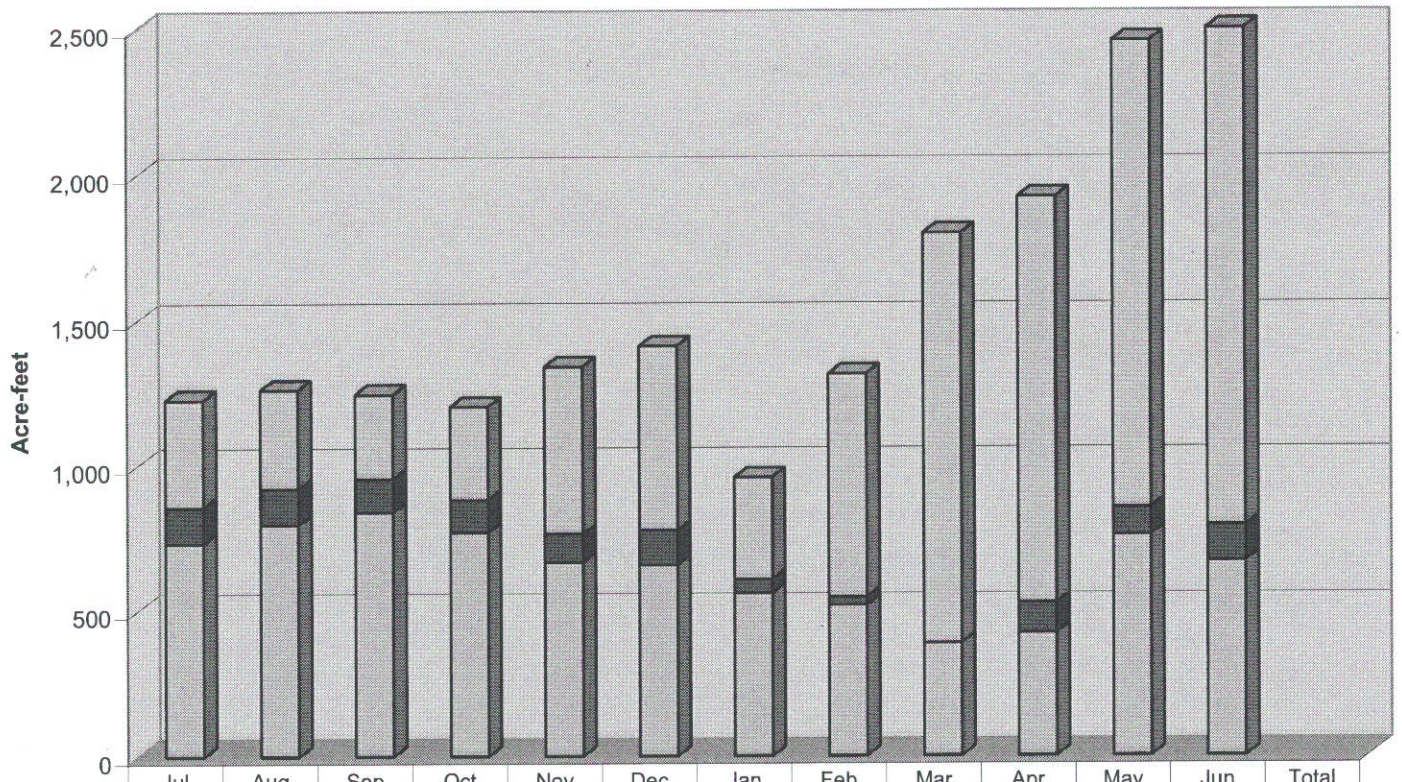


The San Antonio Water Company is 8 percent (18,612 acre-feet) out of a total production of 221,577 acre feet in the IEUA service area.

5 Year Water Production

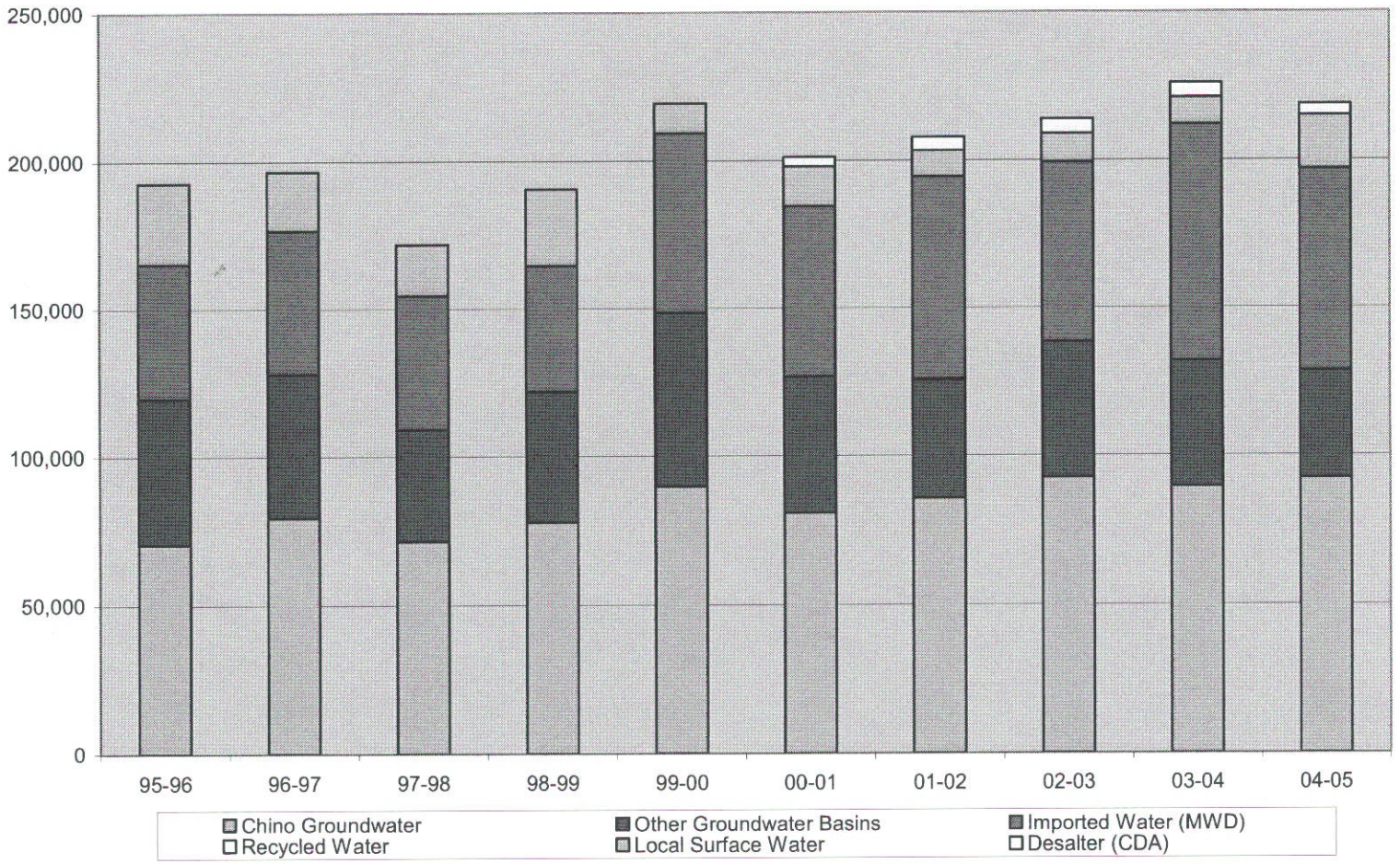


San Antonio Water Company
FY 2004-05 Monthly Water Production Report



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Total	1,226.4	1,259.2	1,243.8	1,201.2	1,339.2	1,409.1	954.8	1,313.0	1,795.8	1,920.0	2,453.5	2,495.7	18,611.8
Local Surface Water	369.9	338.9	291.9	321.5	577.3	634.3	348.2	768.5	1,410.2	1,396.2	1,602.5	1,705.2	9,764.5
Other Groundwater	125.8	124.7	112.9	113.5	95.4	119.0	47.7	28.1	0.2	103.7	94.7	123.1	1,088.8
Chino Groundwater	730.7	795.6	839.1	766.2	666.5	655.8	559.0	516.4	385.4	420.1	756.4	667.4	7,758.5

IEUA Service Area
10-Year Historical Water Production



Definitions

Desalter Water – Means product water from Chino Desalter I owned and operated by the Chino Desalter Authority (CDA). Groundwater, with high levels of TDS, is treated and distributed to several retail water agencies within the Inland Empire Water Agency (IEUA) service area for potable uses.

Chino Groundwater – Means water pumped from the Chino Basin aquifer and treated by retail water agencies for all potable uses within the IEUA service area.

MWD Imported Water – Means water from Northern California and supplied by the Metropolitan Water District of Southern California (MWD), and water transferred from other groundwater basins to retail water agencies operating within the IEUA service area. All Tier I and Tier II deliveries are included in this category.

Recycled Water – Means Title 22 recycled water produced by IEUA at its water recycling plants for distribution through separate pipelines to retail water agency customers for all non-potable uses.

Surface Water – Means water collected by retail water agencies from mountain runoff and storm flows, which is collected and treated for potable use.

Water From Other Groundwater Basins – Means water produced from other local groundwater basins to retail water agencies operating within the IEUA service area. In this report, "water from other basins" is shown within the category of "other groundwater."

SAFETY TAILGATE MEETING

Department #: _____ Dept. Name _____ Date: _____

Shift (CIRCLE IF APPLICABLE): Day / Swing / Grave Location: _____

Presented by: _____

Topic & Items Covered: _____

The employee's signature below confirms he/she has received the training materials for this topic and understands the information provided

ATTENDANCE

Print Employee #	*Employee Signature*

Comments/Notes_____

_____

_____

_____

Revised 12/11/03

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_____

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Revised 12/11/03