

Water Conservation Program City of Las Cruces, New Mexico

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Las Cruces Utilities

Today's Presentation

- ▶ 1. About me
- ▶ 2. Water supply and demand
- ▶ 3. The current program
- ▶ 4. Moving forward

About me

- ▶ Commercial landscape and irrigation estimating and project manager
- ▶ Bachelor's of Science in Horticulture
- ▶ A water meter story

That's a water meter?

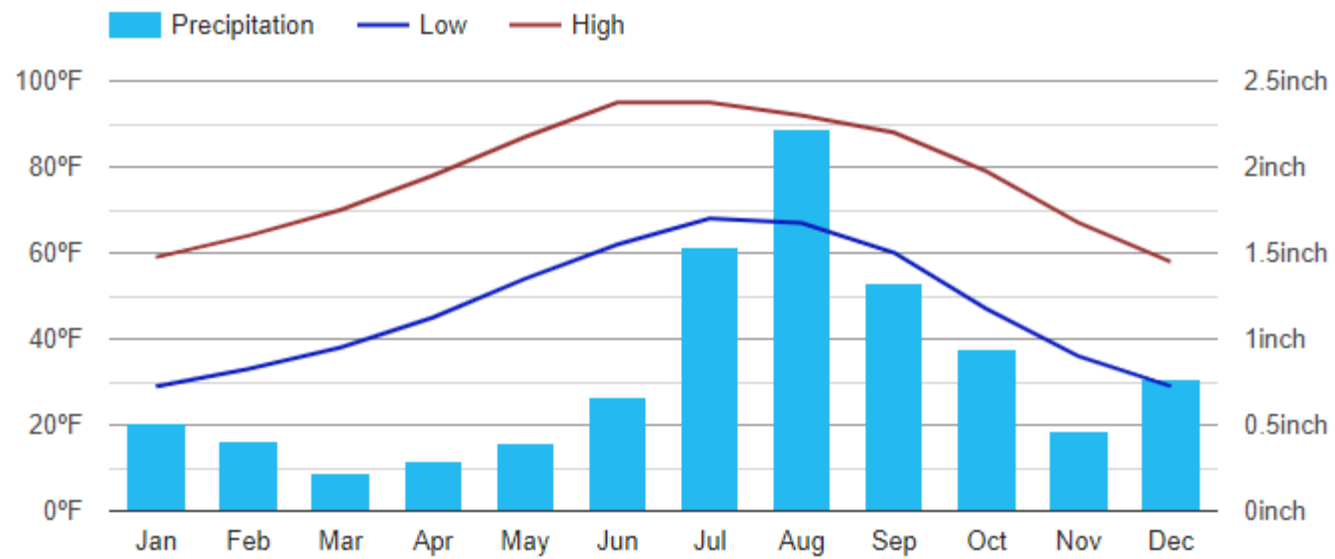


Water supply

- ▶ Ground Water Supply
 - ▶ Jornada del Muerto and Mesilla Bolson's
- ▶ Recharging the aquifer
 - ▶ River
- ▶ Temperature and Rainfall

Las Cruces Climate Graph - New Mexico Climate Chart

Rectangular Snip



<https://www.usclimatedata.com/climate/las-cruces/new-mexico/united-states/usnm0492>

U.S. Drought Monitor New Mexico

September 1, 2020
(Released Thursday, Sep. 3, 2020)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.03	99.97	94.68	65.29	29.33	0.00
Last Week <i>08-25-2020</i>	0.02	99.98	94.68	62.19	21.91	0.00
3 Months Ago <i>06-02-2020</i>	32.02	67.98	44.32	23.31	4.53	0.00
Start of Calendar Year <i>12-31-2019</i>	52.86	47.14	28.33	15.26	0.00	0.00
Start of Water Year <i>10-01-2019</i>	37.27	62.73	29.82	6.81	0.00	0.00
One Year Ago <i>09-03-2019</i>	42.78	57.22	29.82	2.90	0.00	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

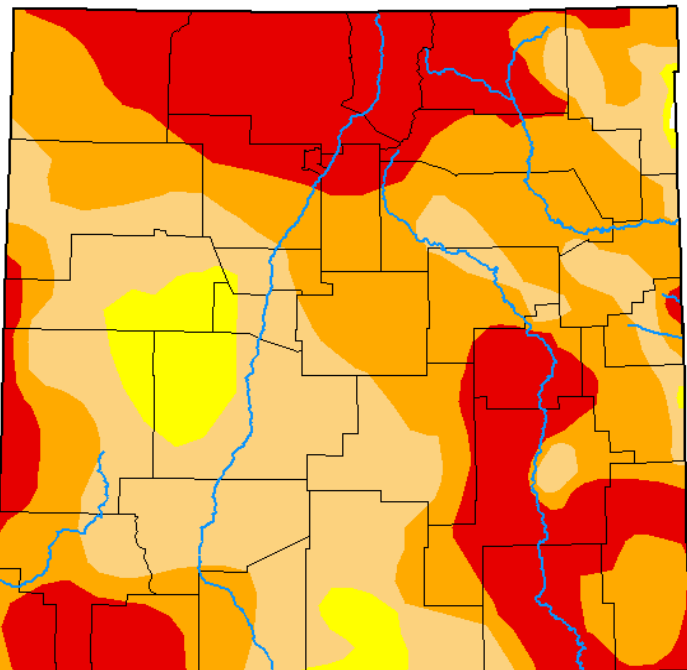
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.asp>

Author:

Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu



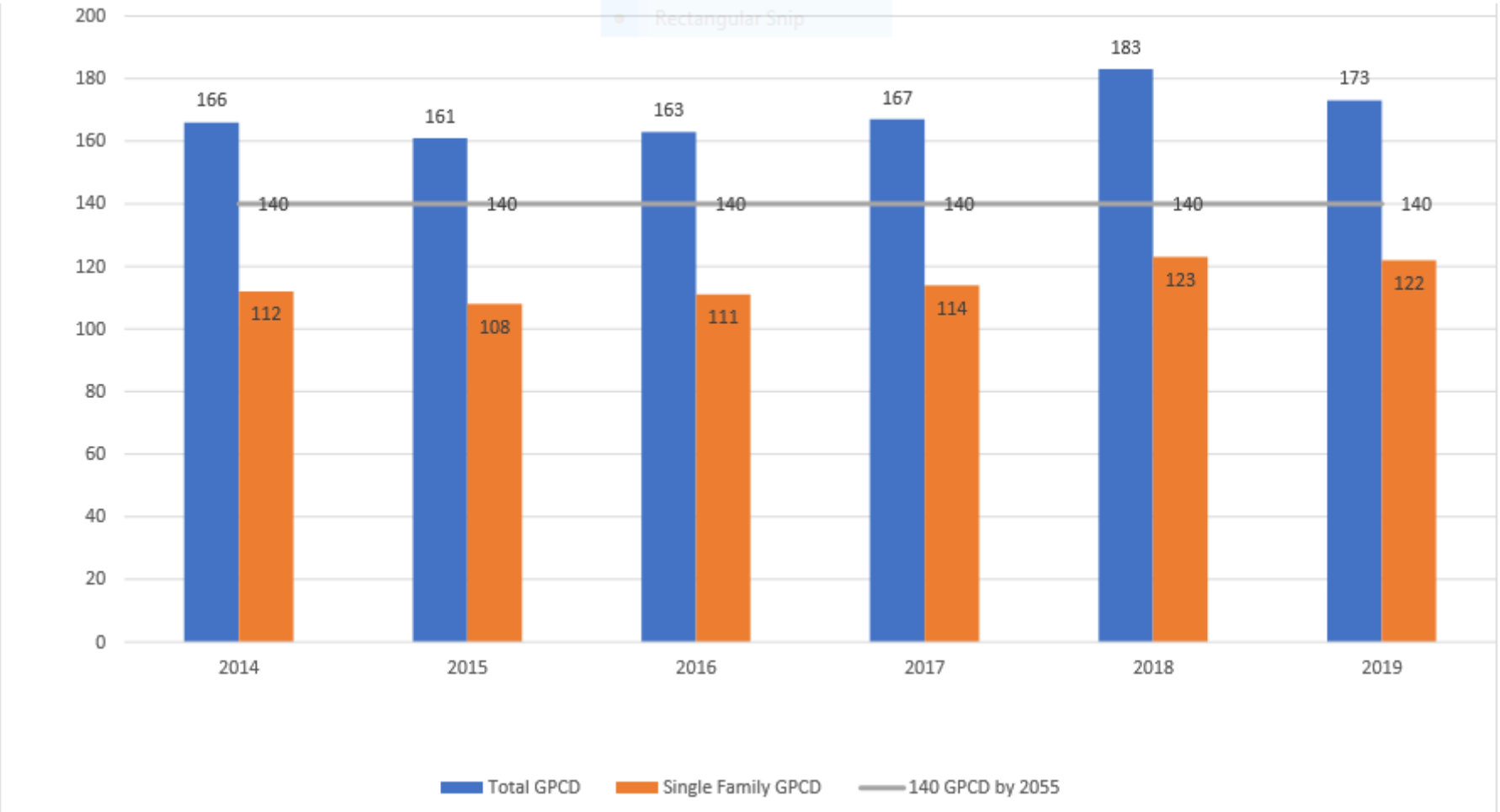
Water demand (acre feet / year)

2016	2017	2018	2019
20,122	21,944	22,352	21,453

2019 Water Use by Category (1,000 gallons = 1 unit)

- ▶ Residential
 - ▶ 10,927 ac-ft /yr = 51%
- ▶ MFR
 - ▶ 2,119 ac-ft /yr = 9%
- ▶ ICI
 - ▶ 5,176 ac-ft /yr = 24%
- ▶ Other
 - ▶ 179 ac-ft /yr = < 1%

Gallons per Capita per Day (GPCD)



The current program

- ▶ Water Conservation Ordinance Enforcement
- ▶ 2012 Water Conservation Plan
- ▶ Educational Outreach
- ▶ Grants

The current program challenges

- ▶ Water is inexpensive
- ▶ Hire more staff
- ▶ Enforcement program
- ▶ City buy-in
- ▶ Purple pipe program

Moving forward

- ▶ Hire additional staff
- ▶ New Water Conservation Plan
- ▶ Provide water audits
- ▶ Incentives and rebates
- ▶ Expand purple pipe program

Contact Information

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