	PATT	ERNS	OF C	LIMAT	Ē, WA	TER P	PER CA	PITA,	WATE	RGY, 8	k SUN	: DIXC	)N, NN	$\Lambda^{\mathrm{T}}$
AVERAGE HIGH & LOW TEMPERATURES: 1953 – 2005 Source: www.wrcc.dri.edu														
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
	45.9	51.6	59.3	68.2	76.8	86.3	89.3	86.4	80.6	70.6	56.7	46.4	68.2	°F HIGH
TE	15.3	20.4	25.5	32.4	40.4	48.1	55.2	53.8	44.8	33.1	23.1	16.0	34.0	°F LOW
CLIMATE	7.7	10.9	15.2	20.1	24.9	30.2	31.8	30.2	27.0	21.4	13.7	8.0	20.1	°C HIGH
	-9.3	-6.4	-3.6	0.2	4.7	8.9	12.9	12.1	7.1	0.6	-4.9	-8.9	1.1	°C LOW
	HIGHEST	TEMP ON	RECORD:		38.9	,			LOWEST TEMP ON RECORD			-36.7	January	7, 1971
				۴	°C	Source: www.wrcc.			. <i>dri.edu</i> °F			°C		
	AVERAGE RAINFALL: 1953 – 2005 Source: www.wrcc.dri.edu												1	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
CAPITA	0.39	0.34	0.50	0.59	0.72	0.81	1.34	1.87	1.25	1.04	0.66	0.37	9.88	INCHES
	9.9	8.6	12.7	15.0	18.3	20.6	34.0	47.5	31.8	26.4	16.8	9.4	251.0	mm
WATER PER	WETTEST YEAR'S RAINFALL:			16.16	410.5	19	1986 DRIEST			YEAR'S RAINFALL: 2.66		67.6	1956	
ER	INCHES mm Source: www.wrcc.dri.edu INCHES mm													
VAT	LONGEST PERIOD W/ NO MEASURABLE PRECIPITATION: 121 days: 1/27 - 5/27/1962 Source: see note 2													
5	AREA: 53.90			SQ MILES POPUI			LATION: 1,222			RAINFALL INCOME:			20,748	GPCD
	see note 3 139.5			km <sup>2</sup>		Sc	Source/Year: see no			ote 4 78,538 <b>{</b> pce				<b>l</b> pcd
X	Number o	f kWh of e	/	/	used by DMDWCA in 2010 for all its operations: : Virginia Valdez, Secretary/Treasurer, DMDWCA, via phon									
ERC				Ŭ		· ·				1 .				<b>l</b> pcd
WATERGY	Number of average NM homes that could be powered with this electricity:1.5Source/Year:see note 5 / 2010Average NM home uses 632 kWh/month per eai.gov.11,208 kWh/yr ÷ (632 kWh x 12 months) = 1.5Source/Year:see note 5 / 2010													
>	LATITUDE:	36		-SOLSTICE	. 0		117 yr 1 (052	KWII X 12 III	1011113) – 1.3			ON JUN 21	ON SEP 21	ON DEC 21
		Google Ea			1.69			Nor Cof F	DUE E THE S		0 N MAR 21	29N	0	29S
SUN	ELEVATION:		FT	1.	1.05				UE W THE		0	29N	0	295
SL		1838	m	<sup>B</sup> # of D	EGREES SU				HORIZON		54	77	54	31
	To find current magnetic declination for location: HarvestingRainwater.com/books/volume1/volume-1-resource-pages-appendix-6/#magdec													
*Object height:length of shadow cast at solar noon (Dec 21's is longest noontime shadow of year). The ratio is 1:x, where x = 1/(tangent(90-(latitude+23.44))														
										1.	0		a phone 6/8/2	
				• •				•					as 203 conne	
													one 6/10/201 <sup>°</sup> = 46 gpcd.	1. гег
A. Ra	census.gov, avg household size for ZIP code 87527 is 2.28 people. 7,704,110 gallons ÷ 365 days ÷ (203 connections x 2.28 people each) = 46 gpcd. A. Rainwater Harvesting for Drylands & Beyond, Vol 1, or www.esrl.noaa.gov/gmd/grad/solcalc/ // B. RWHDB Vol 1, or Mar 21 =90–latitude, Jun 21 =90–(lat–23.44), Sep 21 =90–lat, Dec 21 =90–(lat+23.44)													=90–(lat+23.44)

Available online at: www.harvestingrainwater.com/watergy-climate/water-conservation-and-climate-overview-data-sheets/