PATTERNS OF CLIMATE, WATER PER CAPITA, WATERGY, & SUN: PASO ROBLES, CA

		AVE	GH & LO\	N TEMPER	RATURES:	1	1894 - 2010		Source: wrcc.dri.edu						
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
		60.4	63.5	67.3	73.0	79.4	86.9	92.7	92.6	88.7	80.3	69.3	61.2	76.3	°F HIGH
CLIMATE		33.0	36.4	38.5	40.1	43.8	47.7	50.3	49.7	47.2	41.9	35.8	32.3	41.4	°F LOW
	M	15.8	17.5	19.6	22.8	26.3	30.5	33.7	33.7	31.5	26.8	20.7	16.2	24.6	°C HIGH
	ן [0.6	2.4	3.6	4.5	6.6	8.7	10.2	9.8	8.4	5.5	2.1	0.2	5.2	°C LOW
		HIGHEST TEMP ON RECORD:			117	47.2	August 13, 1933		LOWEST TEMP ON I		RECORD:	0	-17.8	January	6, 1913
					°F	°C.		Source:	wrcc.dri.e	edu		°F	°C.		
	_	AVERAGE RAINFALL:						1894 - 2010			Source: wrcc.dri.edu				-
WATER PER CAPITA		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
	≦	3.48	3.07	2.44	1.01	0.36	0.05	0.02	0.05	0.17	0.62	1.37	2.54	15.18	INCHES
	ξ	88.4	78.0	62.0	25.7	9.1	1.3	0.5	1.3	4.3	15.7	34.8	64.5	385.6	mm
		WETTEST YEAR'S RAINFALL:			29.19	741.4	19	41	DRIEST	RIEST YEAR'S RAINFALL:		4.24	107.7	19	947
		INCHES mm				Source:	Source: wrcc.dri.edu			INCHES mm					
	715	LONGEST PERIOD W/ NO MEASURABLE PRECIPITATION: 202 days (2/28 - 9/18/1997) Source: see note #1													
	>	AREA: 19.9 SQ MILES			POPL	POPULATION: 28,67			77 RAINFALL INCOME: 50				GPCD		
		Wikipedia 51.5 km ²					Source/Year: census.gov/2009			v/2009 est			1898	ℓpcd	
VATTED V	<u>_</u>	Note: the per	rcentages b	below are p	er energy s	source, and	l are not to	be combin	ned for perc	ent of total	energy con	sumption.			
	ERC	% of CA's annual electricity consumption used for water-related purp						purposes:2	19%	2005	MUNICIPAL USE: 188 GPCD				GPCD
	N/A	% of CA's ann'l natural gas consumption used for water-related purposes: ²							32%	2005					
		# of gallor	ns of diesel	I fuel used	annually in	CA for wa	ter-related	88 mil	2005	Sc	ource/Year:	see	note #3 / 2	2010	
		LATITUDE:	35.5	WINTER:	-SOLSTICE	SHADOW	RATIO:*					ON MAR 21	ON JUN 21	ON SEP 21	ON DEC 21
Z		Source:	Google Ea	arth	1:	1.66	A	DEGREES	N or S of D	UE E THE S	sun rises:	0	29N	0	295
		ELEVATION:	858	FT			A	DEGREES	N or S of D	UE W THE	sun sets:	0	29N	0	295
	ال		261.6	m	B # of D	EGREES SU	JN IS ABO	VE THE SO	UTHERN F	HORIZON	AT NOON:	55	78	55	31
		To find cu	rrent mag	gnetic decl	ination for	r location:	Harvestir	ngRainwate	er.com/bo	oks/volum	e1/volume	e-1-resourc	e-pages-ap	opendix-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)))

Notes: 1. Michelle Breckner, Service Climatologist, WRCC, via phone 3/22/2011 // 2. CA Energy Commission, Final Staff Rpt on CA's Water-Energy Relationship, 2005. These data include consumption for supply & treatment, ag use, end-users & wastewater // 3. This includes residential, commercial, industrial & unaccounted-for water. Residential-only gpcd is 133. Keith Larson, Water Conservation Manager, City of Paso Robles Public Works Dept, via phone 3/21/2011. A. R'water 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)