

IMPERIAL VALLEY WATER AUTHORITY - ESTIMATED USE OF AGRICULTURAL IRRIGATION

Gallons per kWhr for 1997 -1999 = 1505
 Gallons per kWhr for 2000 - Future = 1259

1997	June	July	August	September	Totals
# Accounts	498	498	498	498	498
kWhr/used	694,860	4,978,440	3,831,940	543,800	10,049,040
Gallons/Used	3,137,292,900	22,477,656,600	17,301,209,100	2,455,257,000	45,371,415,600
kWhr used times 1,505 divided by number of accounts, times systems in use, equals gallons used					
example June ---- $((694,860 * 1,505 / 498) * 1,494) = 3,137,292,900$					
1998	June	July	August	September	Totals
# Accounts	573	573	573	573	573
kWhr/used	593,650	2,199,280	3,707,110	1,934,520	8,434,560
Gallons/Used	2,529,083,685	9,369,431,764	15,793,129,655	8,241,494,096	35,933,139,200
1999	June	July	August	September	Totals
# Accounts	622	622	622	622	622
kWhr/used	780,360	4,931,310	3,277,830	1,674,290	10,663,790
Gallons/Used	3,343,949,241	21,131,337,243	14,045,949,485	7,174,561,452	45,695,797,421
2000	June	July	August	September	Totals
# Accounts	650	650	650	650	650
kWhr/used	1,833,360	1,719,010	3,525,930	1,621,400	8,699,700
Gallons/Used	6,388,388,049	5,989,932,659	12,286,189,877	5,649,808,211	30,314,318,796
kWhr used times 1,259 divided by number of accounts, times systems in use, equals gallons used					
example June ---- $((1,833,360 * 1,259 / 650) * 1,799) = 6,388,388,049$					
2001	June	July	August	September	Totals
# Accounts	667	667	667	667	667
kWhr/used	1,286,080	6,218,730	4,879,080	1,465,320	13,849,210
Gallons/Used	4,413,282,820	21,340,052,152	16,742,939,741	5,028,358,719	47,524,633,432
2002	June	July	August	September	Totals
# Accounts	688	688	688	688	688
kWhr/used	1,018,350	7,071,070	4,828,470	1,100,100	14,017,990
Gallons/Used	3,443,787,351	23,912,467,640	16,328,594,205	3,720,243,987	47,405,093,183
2003	June	July	August	September	Totals
# Accounts	715	715	715	715	715
kWhr/used	1,254,410	4,952,070	4,713,600	3,095,300	14,015,380
Gallons/Used	4,123,856,208	16,279,864,328	15,495,897,372	10,175,757,624	46,075,375,532
2004	June	July	August	September	Totals
# Accounts	737	737	737	737	737
kWhr/used	1,632,350	3,864,817	5,876,311	1,771,319	13,144,797
Gallons/Used	5,267,487,137	12,471,512,748	18,962,472,879	5,715,931,049	42,417,403,813
2005	June	July	August	September	Totals
# Accounts	752	752	752	752	752
kWhr/used	4,591,260	9,132,650	7,178,380	1,488,900	22,391,190
Gallons/Used	14,673,905,071	29,188,423,035	22,942,474,763	4,758,601,617	71,563,404,486
2006	June	July	August	September	Totals
# Accounts	801	801	801	801	801
kWhr/used	2,372,240	7,293,170	5,197,300	1,717,750	16,580,460
Gallons/Used	7,233,584,657	22,238,796,502	15,847,936,777	5,237,872,241	50,558,190,177
2007	June	July	August	September	Totals
# Accounts	830	830	830	830	830
kWhr/used	5,513,650	5,750,730	6,215,660	1,623,790	19,103,830
Gallons/Used	16,484,411,837	17,193,220,767	18,583,243,274	4,854,719,305	57,115,595,183

Number of Irrigation Systems in use			
1997	1,494		
1988	1,622		
1999	1,771		
	1,441	Mason County	
	330	Fazewell County	
			Number Added
2000	1,799		28
2001	1,818		19
2002	1,839		21
2003	1,867		28
2004	1,889		22
2005	1,909		20
2006	1,940		31
2007	1,971		31
2008	2,014		43
2009	2,054		40
2010	2,077		23
2011	2,100		23
2012	2,160		60
2013	2,293		133
2014	2,169	***Note	60
2015	2,197		28
2016	2,223		26
2017	2,237		14
2,018	2,252		15
2,019	2,262		10

2008	June	July	August	September	Totals			
# Accounts	881	881	881	881	881			
kWhr/used	418,560	3,464,390	5,030,910	2,463,890	11,377,750			
Gallons/Used	1,204,666,990	9,970,939,113	14,479,575,709	7,091,377,463	32,746,559,275			
2009	June	July	August	September	Totals			
# Accounts	912	912	912	912	912			
kWhr/used	553,911	3,295,852	4,274,255	1,032,140	9,156,158			
Gallons/Used	1,570,620,714	9,345,424,485	12,119,696,919	2,926,644,287	25,962,386,405			
2010	June	July	August	September	Totals			
# Accounts	924	924	924	924	924			
kWhr/used	632,203	861,971	4,125,655	3,750,666	9,370,495			
Gallons/Used	1,789,150,227	2,439,399,386	11,675,706,345	10,614,478,141	26,518,734,099			
2011	June	July	August	September	October	Totals		
# Accounts	947	947	947	947	947	947		
kWhr/used	243,325	893,158	8,834,266	7,025,957	1,778,197	18,774,903		
Gallons/Used	679,331,539	2,493,580,186	24,664,113,915	19,615,551,967	4,964,493,187	52,417,070,794		
2012	May	June	July	August	September	October	Totals	
# Accounts	997	997	997	997	997	997	997	
kWhr/used	49,760	4,522,394	9,687,441	14,543,720	6,371,140	816,060	35,990,515	
Gallons/Used	135,726,514	12,335,385,295	26,423,685,610	39,669,783,267	17,378,067,163	2,225,903,918	98,168,551,767 *Note	
2013	May	June	July	August	September	October	Totals	
# Accounts	1,120	1,120	1,120	1,120	1,120	1,120	1,120	
kWhr/used	21,920	263,880	1,855,700	9,670,920	10,580,040	3,663,160	26,055,620	
Gallons/Used	56,500,503	680,171,198	4,783,210,898	24,927,547,523	27,270,874,942	9,442,079,449	67,160,384,513 **Note	
2014	May	June	July	August	September	October	Totals	
# Accounts	1,175	1,175	1,175	1,175	1,175	1,175	1,175	
kWhr/used	30,720	2,031,580	3,939,300	7,031,400	3,518,500	485,280	17,036,780	
Gallons/Used	71,395,136	4,721,514,679	9,155,171,234	16,341,398,476	8,177,206,607	1,081,338,835	39,548,024,967	
2015	May	June	July	August	September	October	Totals	
# Accounts	1,194	1,194	1,194	1,194	1,194	1,194	1,194	
kWhr/used	46,880	707,240	949,720	4,218,920	7,363,140	383,320	13,669,220	
Gallons/Used	108,602,310	1,638,393,724	2,200,123,420	9,773,559,259	17,057,466,158	887,999,947	31,666,144,818	
2016	May	June	July	August	September	October	Totals	
# Accounts	1,210	1,210	1,210	1,210	1,210	1,210	1,210	
kWhr/used	11,520	1,230,660	10,132,400	4,716,100	2,852,640	611,860	19,555,180	
Gallons/Used	26,646,017	2,846,544,041	23,436,467,295	10,908,444,535	6,598,219,974	1,415,245,833	45,231,567,695	
2017	May	June	July	August	September	October	Totals	
# Accounts	1,224	1,224	1,224	1,224	1,224	1,224	1,224	
kWhr/used	6,880	721,620	9,573,516	7,531,452	6,192,936	2,701,280	26,727,684	
Gallons/Used	15,830,650	1,660,423,448	22,028,339,635	17,329,618,773	14,249,738,293	6,215,554,796	61,499,505,594	
2018	May	June	July	August	September	October	Totals	
# Accounts	1,239	1,239	1,239	1,239	1,239	1,239	1,239	
kWhr/used	2,857,136	6,989,048	8,445,336	3,823,104	711,856	102,208	22,928,688	
Gallons/Used	6,538,132,585	15,993,401,247	19,325,900,654	8,748,607,290	1,628,977,028	233,887,871	52,468,906,673	
2019	May	June	July	August	September	October	Totals	
# Accounts	1245	1245	1245	1245	1245	1245	1245	
kWhr/used	200,352	1,852,600	11,125,600	7,919,615	1,872,056	152,672	23,122,895	
Gallons/Used	458,292,406	4,237,704,201	25,449,099,570	18,115,613,602	4,282,208,559	349,227,451	52,892,145,790	
		*The maximum withdrawal since estimates have been done						
		**2013 original calculations over stated withdrawal by approximately 4 billion gallons						
		*** ISWS count of systems from areial survey was 2169 in June 2014						