

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 | Tazewell 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 |

