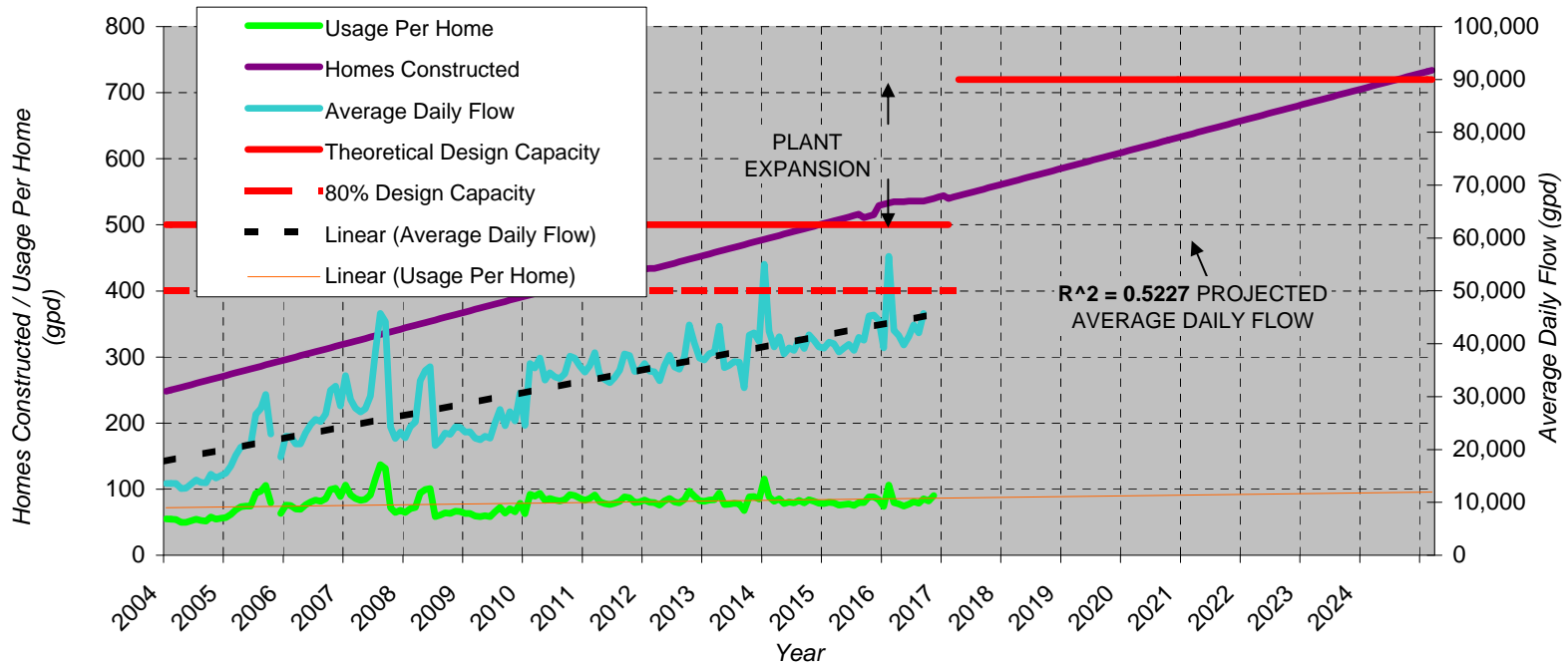


ICRSD WWTP Capacity Analysis



ICR Sanitary District Waste Water Treatment Plant Capacity Analysis Chart

Explanation of Terms:

Homes Constructed: Assumes a growth rate of 2 home per month or 24 homes per year added to the system (updated to November, 2016)

Average Daily Flows: Total of the daily flows (as reported to ADEQ divided by the days in the month).

Theoretical Design Capacity: Is not a fixed number. The assumed capacity of 62,500 gallons/day is achieved by operating the plant in the most conservative operational mode

Analysis and Conclusions:

1. Although the chart shows that the plant will reach 80% of capacity in 2018, that point will not likely be reached for several more years because:

- Actual growth rate are expected to be less than 24 new homes added per year
- Plant capacity can be increased somewhat by operating the plant in a less conservative mode
- The addition of a second flow equalization tank in 2013 provided ability to absorb higher daily flows