



PLANT 1

- Well 1B 100 h/p motor with 2000 GPM production- drilled in 1950's
- Originally equipped with a submersible pump application- in the early 1990's the pump was changed to a vertical line shaft turbine
- Recently rehabilitated in 2007
- Well 1C 100 h/p motor with 1800 GPM production- drilled in 1960's
- Reservoir 1 construction began build in 2007 completed in November 2008
- 5 million gallon capacity
- 3- 200 h/p Variable Frequency Drive Motors capable of producing 3000 gallons per minute each totaling 9000 GPM
- With room for one more future pump
- 1000 kW generator with an emergency transfer switch that will sense utility failure and will automatically power the station
- Site is locally or remotely controlled by SCADA
- Equipped with automatic chlorine injection facilities and chlorine residual analyzer
- Reservoir is equipped with Solar Panels for electrical generation
- Not large enough to run motors, but it reduces electricity bill from IID



WELL U

- Stand alone well that pumps directly into the distribution system
- 350 H/P motor that has a variable frequency drive
- Site is remotely controlled by SCADA
- Equipped with chlorine injection facilities and chlorine residual analyzer
- Vertical line shaft turbine pump
- Capable of producing 3000 gpm
- Security cameras at facility- can be monitored remotely



WELL Z

- Stand alone well that pumps directly into the distribution system
- 350 h/p solid state motor
- Site is locally or remotely controlled by SCADA
- Equipped with chlorine injection facilities
- Vertical line shaft turbine pump
- Capable of producing 3000 gpm
- Bids for electrical upgrades received on Thursday, April 16, 2009
 - Standby generator
 - Variable Frequency Drive (VFD)
 - Security Cameras
 - Chlorine residual analyzer



PLANT 3

- Built in the mid 1970's
- Current capacity is 2 million gallons with ongoing construction of an additional 2.5 million gallon reservoir
- Current booster station has 2 100 h/p solid state electric motors capable of producing 1800 gpm each and a 108 h/p caterpillar engine produces 1600 gpm
- Ongoing construction of the new booster station will consist of 3 variable frequency drive motors at 200 h/p each capable of producing 9000 gpm
- Along with this upgrade the station will have 750 kW generator with an emergency transfer switch that will sense utility failure and will automatically power the station
- Well 3A is a natural gas caterpillar engine produces 108 h/p and will pump 1600 gpm
- Well 3C is a 200 h/p solid state motor that can produce 1700 gpm
- Well 3B is a 100 h/p solid state electric that can produce 1800 gpm
- Site is locally or remotely controlled by SCADA
- Equipped with chlorine injection facilities
- Ongoing upgrades will include a security system with remote surveillance



PLANT 4

- 2 million gallon Reservoir built in early 1990's
- Well 4A 200 h/p solid state vertical line shaft turbine capable of producing 2000 gpm
- 4B 200 h/p solid state vertical line shaft turbine capable of producing 2000 gpm
- 4C 200 h/p solid state vertical line shaft turbine capable of producing 3000 gpm
- Booster station has 4 electric booster pumps 1-100 h/p produces 800 gpm and 3-200 h/p h/p solid state vertical line shaft turbine capable of producing 2000 gpm for a total pumping capacity of 6800 gpm. This station has had recent electrical upgrades including installation of a 1000 kW generator with an emergency transfer switch that will sense utility failure and will automatically power the station
- Site is locally or remotely controlled by SCADA
- Equipped with chlorine injection facilities



WELL W

- Stand alone well that pumps directly into the distribution system
- 350 H/P motor that has a variable frequency drive (VFD)
- Site is remotely controlled by SCADA
- Equipped with chlorine injection facilities
- Vertical line shaft turbine pump. 350 H/P motor
- Capable of producing 3000 gpm



PLANT 2

- Built in 1957.
- 2 million gallon tank, steel welded
- Booster Station at Plant 2 is equipped with:
 - 2 Waukesha 157 H/P N/G motors 1600 GPM
 - 1 Yasakawa solid state electric 100 H/P Motor 1600 GPM
- Well 2C 1957 Changed from 108 H/P Caterpillar Natural Gas motor to Electric in 2009. 100 H/P 1000 gpm
- Well 2D drilled 1991 200 h/p solid state electric line shaft turbine capable of producing 2500 gpm
- Site is locally or remotely controlled by SCADA
- Equipped with chlorine injection facilities



WELL 13 B

- Currently being drilled to a depth of 1100 ft with a 28" casing and should produce 3000 gpm.



WELL BB

- Drilled in 2005. Equipped and put in operation in 2006
- Stand alone well that pumps directly into the distribution system
- 400 H/P motor that has a variable frequency drive (VFD)
- Site is remotely controlled by SCADA
- Equipped with chlorine injection facilities and chlorine residual analyzer
- Vertical line shaft turbine pump
- Capable of producing 3000 gpm
- 500 kW generator with an emergency transfer switch that will sense utility failure and will automatically power the station
- Security cameras- can be monitored remotely
- Serves as a template for all new wells



LOST HORSE RESERVOIR

- Lost Horse Reservoir has been awarded to be constructed at an elevation of 300 ft with a capacity of 5 million gallons
- This will be the City of Indio- Indio Water Authority's first elevated Reservoir
- Construction is scheduled to begin in June
- The reservoir will be supplied from the Terra Lago booster station
- Will feed Terra Lago and new developments along Dillon Rd
- Automatic controls will close pipelines if seismic activity is detected to minimize loss of water if there is a rupture



TERRA LAGO BOOSTER STATION

- Built in Summer of 2006
- Booster station has 3 electric 75 h/p booster pumps capable of producing 750 gpm each and 2-20 h/p electric booster pumps capable of producing 250 gpm for a total pumping capacity of 2750 gpm
- Emergency standby 500 kW generator with an emergency transfer switch that will sense utility failure and will automatically power the station
- Emergency fire pump that will automatically activate if demand exceeds 3800 gpm provided by the electric pumps
- Site is locally or remotely controlled by SCADA
- Open pump pit design allows for future upgrades and upsizing of the pumps
- Will serve as a booster to deliver water to new Lost Horse Reservoir