

High School



Past, Present & Future

There's a Carbon Dioxide Shortage, and Food and Drink ◆ WSJNEWS EXCLUSIVE | BUSINESS WHAT'S GONE WRONG Inere's a Carbon Dioxide Makers are Scrambling

- Carbon Dioxide Shortage
- > Factory Defective Boiler
- Failed Acid Pump
- Failed Variable Frequency Drive
- > PG&E Power failure Single Phasing caused boiler
 - damages
 - > Control Board
 - > Inducer Fans
 - > Boiler ID Chip





WHAT WE HAVE DONE

Taking Advantage of a bad situation

- > Replaced Leaky Backflow Values
- > Exchanged 137,000 Gallons of Water
- > Patched Hole & Replaced Broken Tiles
- > Replaced Failed Acid Pump
- > Replaced Failed Variable Frequency Drive
- > Replaced Factory Defective Parts
- > Replaced Parts Damaged During PG&E Outage
- > Two Employees Trained as Certified Pool Operators



RESULTS



PH Level ORP Level Free Chlorine Temperature August 30,2022 11:30 AM

55

mU

ppm

785

RA



A PLAN FOR RESILIENCE

> Maintenance

- Increased Frequency
- > Schedule Maintenance Closures
- > Modifications
 - > Structural
 - ➢ Equipment
 - > Reduce Overuse
- > Spares
 - > On Shelf Parts

resilience: "an ability to recover from or adjust easily to misfortune or change." -Merriam-Webster Dictionary

MAINTENANCE

Increased Backwash Frequency

> Better water quality

> Decreased Total Dissolved Solids (TDS)

Scheduled Maintenance Closures

> Regular Monthly Service

> Twice Annual Closures

> Volunteer Assistance

> Pool Brushing

> Deck Cleaning

> Spot Vacuuming



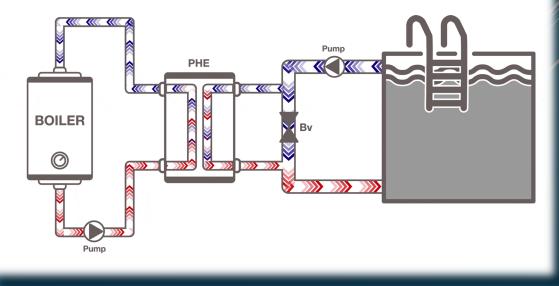
POOL CLOSED FOR MAINTENANCE

MODIFICATIONS

> Separation of Chemical Storage from Pool Equipment \$5,500

- > Improve Pool Equipment Enclosure to Keep Out Elements \$7,500
- > Interim Avian Mitigation Measures \$2,500
- > Replace Gravel Ballast Roofs with Encapsulation Roofs \$500,000+
- > Heat Exchangers \$40,000
- >Total \$555,500+

All amounts are estimations





- > Acid Pump \$2,500
- > Chlorine Pump \$450



- > Control Board \$1,250
- > Inducer Fan \$3,500
- > Pool Pump & Motor \$20,000 to \$25,000
- >Total Cost \$39,200+

All amounts are estimations





HOW DO WE FUND?

- Measure D Available Funds
 - > \$100,000 already spent \$0.00 remaining for pool
- > Grant Funds \$ TBD
- Regular Maintenance Funds
 - > \$50,000 spent so far
- Breaker Club
 - Fundraising
- Future Projects (Replastering in 2 years)
 - Fundraising
- > A Question of Equity?
 - > PGMS PAC waiting 15 years for improvements
 - > Should outside users of our pool be paying more?

