



LGUSD Maintenance and Operations Update.



April 15 , 2021



Updates :

- LGUSD Commissioning Finalization
- Modification to custodial cleaning / sanitizing starting 4/19
- Classroom setup / site logistics
- Introduce R-Zero Technology in LGUSD
- Solar timeline

Commissioning :

- Over last couple of weeks we have wrapped up and finalized details of the commissioning and reporting of the HVAC systems district wide.
- Physical unit and room information for each site including occupancy levels listed on LGUSD web page under the facilities tab.
- Ongoing monitoring district wide thru our energy management system.
- Continue to follow guidelines on scheduled MERV 13 filter changes.

Custodial Cleaning / Sanitization :

- Per CDPH guidelines alter Custodian Sanitizing schedule to more incident based response starting on 4/19
- Modify in room custodial reporting forms , so staff have a better understanding what is being done and on what timeline.
- Increase the frequency of custodial tasks that were not COVID related.
- Looking in Possible modifications to 2nd shift custodial schedule to follow the need of the district.

Classroom setup / Site logistics:

- Spring Break week measuring and set up of classrooms with information gathered from staff thru the survey.
- Finishing this week , moving and adjusting furniture. offering support to staff if need be.
- Finalizing any needs from staff regarding PPE or maintenance issues before the on ramp



R-Zero Technology

- Added One ARC 4/9/21 to the District for incident response and two ARC Air units per site for ongoing air disinfection of occupied indoor spaces. A gracious donation was made by Andrew Ferguson and family toward the purchase of the ARC for LGUSD.
- This week concluded the installation of ARC Air units at all sites in nurses offices and isolation rooms.
- Also, this week we trained custodial staff on the on the operation of the ARC unit that will be used as a incident response tool throughout the district in the event we learn of a possible exposure .

Prioritizing the Health + Safety of Students and Staff with R-Zero

Arc

Complete hospital-grade surface and air disinfection in 7 minutes

R-Zero Arc:

The first hospital-grade UV-C disinfection system designed for schools.

- Proven to destroy **99.99%** of surface + airborne pathogens (*including coronavirus, seasonal flu + norovirus*) in a 1,000 sq ft classroom in 7 min.
- Sustainable disinfection without the use of chemicals.
- Safe to use around food, electronics, science + music equipment.
- Spaces are immediately safe to re-enter after a disinfection cycle.

Arc Air

Continuous, hospital-grade air disinfection for occupied (indoor) spaces, 24/7

rzero



Additional Background Info

- Disinfects an average classroom in just 7 minutes.
- Efficacy verified by a CDC-approved, government-sanctioned lab
- Redundant safety mechanisms to ensure zero exposure (PIR sensors, 30 second pre cycle countdown, training/onboarding, bilingual warning signs)
- Sustainable - *no chemicals*.

Customer Examples (with links):

[LeRoy CUSD \(LeRoy, IL\)](#)

Since implementing Arc into daily health + safety protocols last fall, LeRoy CUSD has experienced a 0% transmission rate inside their schools, despite 2% community spread.

- The district hasn't had the typical seasonal illnesses they normal have.
- 100+ days of successful in-person learning.
- **Trust:** "How our parents feel about the cleanliness and safety of our classrooms, as a result of using R-Zero's UV-C technology... it has clearly created a difference that's indisputable." - Gary Tipsord, Superintendent

[Ridley School District \(PA\)](#)

As students have started returning to campus, Ridley School District has opted for sustainable hospital-grade UV-C over toxic chemicals.

- Today, custodial teams run Arc twice daily (during lunch and at night), across Ridley's 9 school campuses.
- Arc is a key part of the district's risk mitigation plan - which Superintendent, Lee Ann Wentzel notes is significantly helping prevent infection spread in school.

Kills Over 99.99% of Surface + Airborne Pathogens



>99.99%

Feline Calicivirus



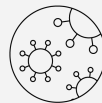
>99.99%

Escherichia Coli (E. coli)



>99.99%

MRSA



>99.99%

Human Coronavirus

[REPORT LINK](#)

Solar Updates :

- Project timeline provide by Forefront power .
- Working with Forefront team gathering site information on backup power needs for generator sizing and logistics.
- Working thru scheduling to include breaks in instruction to keep to timeline.

