



**Central Valley School District - Mechanical and Electrical Synopsis**

TE Project Number: 2015080

Sept 14 2015

		Todd Lane	Middle School	High School
	Age	1971/1995 (wing)	1964/1968	1960/1980s (reno)
HVAC				
	General	poor	poor	poor
	Central Htg Plant	poor/fair	poor	poor/fair
	Central Clg Plant	n/a	n/a	n/a
	Classrooms	poor	poor	poor
	Automatic Temperature Controls	poor	poor	poor
Plumbing				
	General	poor	poor	poor
	Fixtures	poor	poor	poor
	Domestic Water System	poor	por	poor
	Domestic Hot Water System	fair	fair	fair
	Sanitary Sewer System	poor	poor	poor
	Rainwater System	poor	poor	poor
	Natural Gas	poor	poor	poor
	Sprinkler System	n/a	n/a	n/a
Electrical				
	General	poor	poor	poor
	Power Distribution	poor	poor	poor
	Emergency Ltg and Power	poor	poor	poor/fair
	Lighting	poor	poor	poor
	FA and Security	poor	fair	fair
	Intercom	poor	poor	low
	Tele and Data Network System	low	low	poor

- Old Equipment, beyond expected longevity
- Difficulty obtaining replacement parts
- Low Energy efficiency
- Minimal Ventilation

	Todd Lane	Middle School	High School
Specific	two plants, no redundancy	boilers in poor condition	50% of htg plant is 30 yrs old
	inefficient	inefficient	minimal cooling
	outdated ATC	outdated ATC	inefficient
	corridors used for relief	Auditorium units noisy	50% of ATC is outdated
	ductboard ductwork	kitchen MAU inoperable	corridors used for relief
		cafeteria AHU inoperable	
		Unit ventilator OA closed	
	Utility vault style transformer not ideal set up	Utility vault style transformer not ideal set up	Utility vault style transformer not ideal set up
Major Reno Scope	Replace existing HVAC system in entirety	Replace existing HVAC system in entirety	Replace existing HVAC system in entirety
	Replace above grade plumbing and piping	Replace above grade plumbing and piping	Replace above grade plumbing and piping
	Install sprinkler system	Install sprinkler system	Install sprinkler system
	Replace all electrical distribution equipment in original building	Replace all electrical distribution equipment.	Replace all electrical distribution equipment.
	Add lighting controls	Add lighting controls	Add lighting controls
	Replace all light fixtures	Replace all light fixtures	Replace all light fixtures