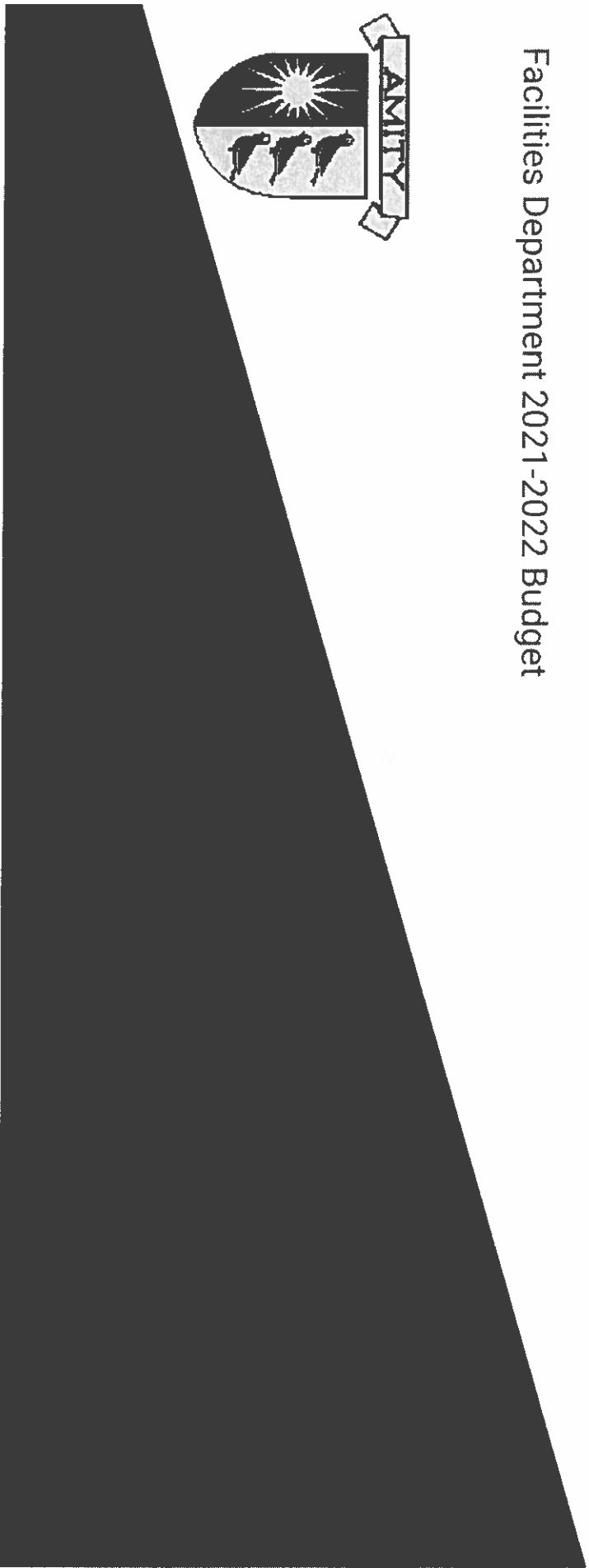
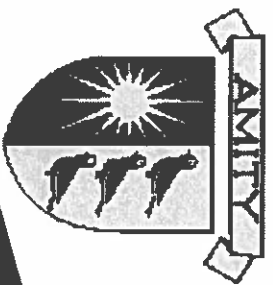


# Amity Regional School District #5

Facilities Department 2021-2022 Budget



# 2021-2022 Facilities Budget Increases

**Custodial supplies:** The budget for custodial cleaning supplies and paper goods has increased by 5%. This is due to an uncertain market where we are seeing the demand for cleaning products increased and the cost of raw materials to make these supplies increased due to the COVID 19 pandemic. In talks with the supplier, there are already cost increases seen that we have incurred and the projected forecast for cost is expected to rise.

**Repairs, Maintenance and Cleaning:** We are seeing an increase in certain contracted services due to the contracts ending in June of 2021. Fire alarm testing, fire extinguisher testing, and trash and recycling were increased by 3% respectively in anticipation of a contract renewal. However, we will pursue a contract extension to try to hold current pricing in the near future. Pest control, roofing service as well as boiler cleaning and maintenance were reflective of an already negotiated contract and these were the price increases for the contract year.

**Covid Supplies:** We added an additional line for COVID related supplies at a total of \$25,000 for all three schools. (\$11,000 for AHS, \$7,000 for Bethany and \$7,000 for Orange.) These are projected costs for additional supplies that are needed above and beyond our normal supplies for the year. These include additional paper towels for cleaning and hand drying due to warm air dryers being disabled in bathrooms, additional latex gloves, additional disinfectant and cleaner needed for the increased cleaning and disinfection schedules, additional face masks and other COVID 19 related safety protocols.

# Utilities Forecast

**Oil used for heating:** Bethany is budgeted to use 20,000 gallons of fuel for heating, this remains the same as last year, however, looking at energy forecast reports, there is an anticipation that prices will drop, but being this far out I estimated a slight price increase

**Natural Gas:** Looking at the energy forecast, natural gas storage supplies are anticipated to be well stocked for the following winter, lowering the average cost. I kept the pricing the same as the current budget in both Orange and Amity High School as a workable number, however, looking at average usage over the last few years, I needed to raise the consumption at Orange. Current budget is at 26,694 ccf and was increased to 29,500 ccf.

**Electricity:** Electricity is the biggest unknown at this time. With the increased run times of the air handler systems, but the limited usage of the buildings, we are not seeing a significant increase in consumption. We did renew a contract with Engie locking in our supplier rate until 2024 but we are seeing an increase in the delivery charges. Averaging the monthly delivery charge costs and adding in the fixed supply costs, we see an increase in Bethany and Orange, but I was able to decrease AHS.

**Propane:** Usage at Bethany is still expected to remain at 900 gallons, however, the energy forecast is showing that propane demand will increase and the storage supplies will decrease driving up propane prices as high as an anticipated 6.9% over current market rates.

Fuel / Region	Winter of										Forecast	
	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	% Change			
<b>Natural Gas</b>												
Northeast												
Consumption (Mcf**)	71.7	72.3	57.4	61.5	65.3	66.8	61.1	67.7	10.8			
Price (\$/mcf)	11.52	10.80	10.16	10.70	11.37	11.67	11.69	10.78	-7.7			
Expenditures (\$)	826	780	584	659	742	780	715	730	2.2			
Midwest												
Consumption (Mcf)	84.2	79.1	63.6	64.8	73.9	76.9	69.7	75.6	8.5			
Price (\$/mcf)	8.68	8.54	7.85	8.28	7.83	7.82	7.39	7.35	-0.6			
Expenditures (\$)	731	676	480	536	578	601	515	556	7.8			
South												
Consumption (Mcf)	52.7	50.9	40.3	37.9	45.5	46.0	41.5	46.1	11.1			
Price (\$/mcf)	10.71	10.75	10.72	12.04	11.23	10.61	11.10	10.67	-3.9			
Expenditures (\$)	564	547	432	457	512	488	460	492	6.8			
West												
Consumption (Mcf)	45.2	40.1	44.7	45.6	43.8	48.8	47.4	48.4	2.1			
Price (\$/mcf)	9.96	10.71	9.92	10.66	10.25	10.15	10.56	11.01	4.3			
Expenditures (\$)	450	430	443	487	449	495	501	533	6.5			
U.S. Average												
Consumption (Mcf)	63.9	60.7	51.8	52.9	57.6	60.2	56.5	59.9	7.9			
Price (\$/mcf)	9.95	9.89	9.28	10.06	9.82	9.72	9.73	9.55	-1.8			
Expenditures (\$)	636	600	481	533	565	586	540	572	5.9			
<b>Heating Oil</b>												
U.S. Average												
Consumption (gallons)	547.5	548.2	436.6	468.2	495.6	512.0	467.8	519.2	11.0			
Price (\$/gallon)	3.87	3.04	2.06	2.41	2.78	3.07	2.89	2.35	-18.7			
Expenditures (\$)	2,121	1,666	900	1,128	1,376	1,570	1,353	1,221	-9.7			
<b>Electricity</b>												
Northeast												
Consumption (kWh***)	8,879	8,927	7,705	8,050	8,346	8,482	8,017	8,667	8.1			
Price (\$/kwh)	0.163	0.166	0.164	0.165	0.169	0.169	0.171	0.170	-0.7			
Expenditures (\$)	1,448	1,501	1,263	1,324	1,407	1,436	1,374	1,475	7.3			
Midwest												
Consumption (kWh)	11,362	10,816	9,365	9,479	10,381	10,707	10,602	10,865	6.6			
Price (\$/kwh)	0.112	0.118	0.122	0.124	0.124	0.123	0.124	0.125	0.5			
Expenditures (\$)	1,276	1,274	1,138	1,172	1,289	1,317	1,241	1,330	7.2			
South												
Consumption (kWh)	10,488	10,302	8,782	8,511	9,544	9,538	8,896	9,755	9.7			
Price (\$/kwh)	0.109	0.111	0.110	0.111	0.112	0.113	0.115	0.112	-2.2			
Expenditures (\$)	1,141	1,141	968	948	1,065	1,075	1,022	1,096	7.2			
West												
Consumption (kWh)	8,487	7,830	8,441	8,560	8,329	8,987	8,811	9,050	2.7			
Price (\$/kwh)	0.123	0.127	0.130	0.132	0.136	0.136	0.138	0.142	2.7			
Expenditures (\$)	1,045	993	1,098	1,128	1,130	1,224	1,217	1,283	5.5			
U.S. Average												
Consumption (kWh)	9,729	9,418	8,456	8,424	9,049	9,256	8,764	9,431	7.6			
Price (\$/kwh)	0.120	0.123	0.124	0.125	0.126	0.127	0.129	0.128	-0.5			
Expenditures (\$)	1,163	1,158	1,044	1,055	1,142	1,174	1,128	1,209	7.1			

**Table WF01. Average Consumer Prices and Expenditures for Heating Fuels During the Winter**  
 U.S. Energy Information Administration | Short-Term Energy Outlook - October 2020

Fuel / Region	Winter of										Forecast	
	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	% Change			
<b>Propane</b>												
<b>Northeast</b>												
Consumption (gallons)	624.5	629.7	505.7	542.6	569.3	585.8	538.5	593.0	10.1			
Price* (\$/gallon)	3.56	3.00	2.71	3.06	3.26	3.22	2.61	2.79	6.9			
Expenditures (\$)	2,223	1,889	1,371	1,660	1,856	1,886	1,406	1,655	17.7			
<b>Midwest</b>												
Consumption (gallons)	808.4	755.9	618.2	628.9	715.1	746.7	679.1	729.5	7.4			
Price* (\$/gallon)	2.61	1.91	1.47	1.73	1.95	1.83	1.58	1.64	4.1			
Expenditures (\$)	2,110	1,444	909	1,088	1,394	1,366	1,070	1,196	11.8			

\*Number of households for winter season (million households)

# Cost Savings

After contract review, savings were found in the following:

Decreased security and testing inspections at the high school by \$940.00

Science lab hood inspections by \$500.00

Decreased the electrical cost at AHS by \$6000.00

Also, in review of historical data, we were able to find savings in the custodial/maintenance supply line such as locker repair parts, lighting supplies, electrical supplies, lighting rental, etc. therefore offsetting the increase in custodial supplies for cleaning.

The line for false alarm fees by was also decreased by \$200.00

Additional increased savings could be made if we are able to negotiate contract extensions with the vendors for fire alarm testing and inspection, fire extinguisher testing and trash pickup for the 2021-2022 year keeping the current budget year pricing. I am looking into the amount of pickups that are occurring for trash and I believe that we could decrease the frequency of pickups, therefore saving money there as well.

CHOO	Line	DESCRIPTION	2021-2022	2022-2023	2023-2024	2025-2026	2027-2028	COMMENTS
ntry HS	1	Asphalt sealing and crack repair		\$15,000	\$10,000	\$10,000		Replace old asphalt
	2	Sidewalk repair	\$8,000	\$10,000	\$10,000	\$10,000		Repair damage
	3	Replace corridor flooring		\$74,305				Vinyl tile is starting to let loose/safety hazard
	4	Replace deteriorated pipe insulation	\$10,000	\$20,000	\$20,000	\$10,000		Needed due to condensation leaking thru
	5	Siemens Control Upgrade	\$45,000	\$41,000				Phasing out old operating system
	6	Replace aging variable frequency drives	\$20,000	\$20,000	\$20,000			Becoming obsolete and need to phase out
	7	Replace gas lines and fixtures in sci labs		\$8,000	\$8,000	\$8,000		Outdated fixtures, copper supply lines, prevent
	8	Install protective window film	\$10,000	\$15,000	\$20,000	\$25,000		Will provide better security for students
	9	Replace dishwasher in kitchen		\$32,000				Beyond useful life
	10	Install warning track on bball and sball			\$35,000			No warning track, safety issue
	11	Open up wall in room 375						Back room was originally a dark room. open wall
	12	Replace piping on cooling tower to building with P.V.C. piping	\$35,000					needed for student instruction
	13	Replace portable bleachers on baseball and softball field with permannant 300 seat hi rise				\$200,000		Current steel piping is corroded internally and could start to leak
	14	Additional LED lighting for field# 3					\$400,000	
	<b>Biotal Amlyr High School</b>			<b>\$131,000</b>	<b>\$227,305</b>	<b>\$173,000</b>	<b>\$313,000</b>	<b>\$418,000</b>
Bethany	13	Asphalt sealing and crack repair		\$14,000	\$10,000	\$10,000	10,000	Preventive maintenance
	14	Replace deteriorated pipe insulation	\$10,000	\$10,000	\$10,000	\$5,000		needed to condensation leaking thru
	15	Concrete Repair	\$5,000	\$9,000	\$5,000	\$5,000		Repair salt damage and wear
	16	Electrostatic paint 419 lockers		\$9,000				Will be needed
	17	Install protective window film	\$5,000	\$10,000	\$15,000	\$15,000		Will provide better security for students
	18	Modify and repair modular classroom	\$15,500	\$48,000	\$40,000	\$35,000		Deteriorating and becoming a liability
<b>Biotal Bethany Middle School</b>			<b>\$35,500</b>	<b>\$48,000</b>	<b>\$40,000</b>	<b>\$35,000</b>	<b>\$15,000</b>	
Orange	19	Install protective window film	\$5,000	\$10,000	\$15,000	\$15,000		Will provide better security for students
	20	Electrostatic paint 419 lockers		\$9,000				Will be needed
	21	Replace deteriorated pipe insulation	\$10,000	\$10,000	\$10,000	\$5,000		On-going maintenance
	22	Concrete Repair	\$5,000	\$0	\$5,000	\$5,000		Repair salt damage and wear
	23	Asphalt sealing and crack repair	\$14,000	\$0	\$10,000	\$10,000		Repair deterioration
24	Refurbish the athletic field drainage	\$60,000						
<b>Biotal Orange Middle School</b>			<b>\$94,000</b>	<b>\$29,000</b>	<b>\$40,000</b>	<b>\$30,000</b>	<b>\$15,000</b>	
District	1	Facilities Contingency for Emergencies	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	Needed for unforeseen infrastructure failure
	2	Planned replacement of all-weather field	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	Plan for replacement in 10 plus years
<b>Biotal District</b>			<b>\$135,000</b>	<b>\$135,000</b>	<b>\$135,000</b>	<b>\$135,000</b>	<b>\$135,000</b>	
<b>ANNUAL BUDGET TOTALS</b>			<b>\$395,000</b>	<b>\$439,305</b>	<b>\$388,000</b>	<b>\$513,000</b>	<b>\$583,000</b>	