

# Lake Area Technical Institute Equipment Request

Jul-14

The below prioritized list reflects LATI's most pressing \$390,000 in equipment needs.

**House Bill authorized \$1.5M for equipment for the four technical schools. LATI portion of tat funding is anticipated to be about \$390,000. Accounting for the Governor's award of future funds for the Critical Needs programs under SDWINS, the following list of \$390,000 in equipment represents our highest needs in all other areas of LATI.**

PROGRAM	EQUIPMENT	APPROXIMATE COST	JUSTIFICATION	Capacity
Energy Operations/ Technology	Replacement Nacelle and blades for the existing wind tower. Pricing is for a refurbished unit and 2 years of on-site maintenance.	\$220,000	Provides hands-on experience and education with industry equipment needed to be employable in the Wind Energy field.	71/year
High Performance Engine Precision Machining	Berco spy-360 1000 CBN resurfacer - previously owned	\$14,500	Highly skilled equipment used in industry. The skills taught by these machines are directly usable in the Precision Machining and High Performance Engine Machining, both of which are high demand skills for the manufacturing sector as well.	44/year
High Performance Engine Precision Machining	Van Norman Mill - previously owned	\$5,000	Highly skilled equipment used in industry. The skills taught by these machines are directly usable in the Precision Machining and High Performance Engine Machining, both of which are high demand skills for the manufacturing sector as well.	44/year
Building Trades	Telehandler	\$50,000	Industry standard to ensure the safe and efficient transfer of tools, equipment and personnel during roofing and framing operations	34/year

Law Enforcement	Weapons (Neves Glocks-G17 Fixed Sights (10), Neves DPMS ap4 .223 rifle with slings (10))	\$15,000	New program. Needed to provide realistic training required for industry standards and expectations.	44/year
Business Associate	Photographic equipment: Speedlight 600EX-RT, 2X Ringlights, WHCC Photo printing, @x Alien Bees B800 Flash unit	\$3,000	Provides exposure for Photography students to industry standard equipment.	60/year
	Furniture: Aviation Maintenance (AVM) (\$8000), Business Associate (BSA) (\$2000), Cosmetology (\$1800), Human Services Tech (HST) Office (\$8200)	\$20,000	Replacing dated and failing office and classroom furniture as well as new equipping new offices for additional staff.	250/year
Med Fire/Rescure (MFR)	Self-contained breathing apparatus (SCBA) Replacement Bottles (5)	\$7,000	Updates equipment used in fire fighter training to ensure sufficient capacity and safety	30/year
Energy Technology (ET)	Master Tool Set	\$2,500	Ensures students have access to required specialty tools needed for industry training. Saves students the cost of purchasing less commonly used tools.	71/year
MFR	Bunker Gear (6 replacements)	\$12,000	Replacing dated fire fighter equipment for safety and functionality reasons.	30/year
Occupational Therapy	Oven/Stove combination for student laboratory	\$600	Updates equipment used in Suman Services training which provides hands-on experiences in tasks they will be required to accomplish on the job.	60/year

Diesel Technology (DT)	Diesel Engine Liner Puller	\$700	Provide hands on experience with industry standard engine technology to prepare students for the Diesel Technician workforce.	140/year
Diesel Technology (DT)	Duramax LB 7 Diesel Engine (previously owned)	\$6,000	Provide hands on experience with industry standard engine technology to prepare students for the Diesel Technician workforce. Request includes Duramax LB7 diesel engine, and associated stands and tooling.	140/year
Diesel Technology (DT)	Power Stroke 6.0 L Diesel Engine (previously owned)	\$6,000	Provide hands on experience with industry standard engine technology to prepare students for the Diesel Technician workforce. Request includes Powerstroke 6.0 diesel engine, and associated stands and tooling.	140/year
Diesel Technology (DT)	Four post lift 14,000 lb capacity	\$4,800	Provide hands on experience with industry standard safe lifting technology to prepare students for the Diesel Technician workforce.	140/year
Diesel Technology (DT)	CasIH Protocol Adapter	\$1,800	Adds the ability to provide hands-on instruction on the latest CASE IH engines and drive trains.	140/year
Diesel Technology (DT)	Six bank Battery Charging System	\$1,100	Augmenting current capability to handle larger batteries and reduce student downtime for battery charging.	140/year
Diesel Technology (DT)	Cummins ISX with Common Rail Fuel system (previously owned)	\$10,000	Provide hands on experience with industry standard engine technology to prepare students for the Diesel Technician workforce. Request includes Cummins ISX common rail fuel system and associated stands/tooling.	140/year

Diesel Technology (DT)	John Deere Splitting Stand for 7000 series	\$3,500	Provide hands on experience with industry standard agricultural engine technology to prepare students for the AG Diesel Technician workforce. Provides the ability to use industry standard equipment when working on John Deere equipment.	140/year
Cosmetology	Shampoo Sinks (12), Heavy Duty Washer/Dryer	\$8,000	Replaces dated and degenerating equipment in our Cosmetology program with equipment comparable to what is used in industry.	60/year

<b>Sub-Total</b>	<b>\$391,500</b>
<b>Local Fund Contribution</b>	<b>\$1,500</b>
<b>Grand TOTAL</b>	<b>\$390,000</b>