

House Appropriations Request for Information

Kansas Army National Guard (KSARNG) Armories are facilities that are utilized by Kansas Army National Guardsman during Drill Weekends and Annual Training. The functions of the Soldiers in each armory vary from Infantry tasks to Field Artillery tasks to Ceremonial Band tasks. Each Armory facility has to accommodate large assemblies of personnel, administrative functions, equipment supply, and vehicle maintenance. KSARNG Armories are also utilized by the local population for a variety of functions such as: little league sports practice, auctions, wedding receptions, and other local events. The fee for local community use of the Armory covers utilities and janitorial costs associated with the time of use.

The KSARNG currently has 37 facilities that are federally coded as Armories. The KSARNG is federally authorized an additional 600,000 square feet of Armory space. The space requirement doesn't break down into individual armories. It is a requirement that is generated by the types of units that are stationed in Kansas and the type of equipment that those units are assigned. The Kansas Readiness Center Transformation Master Plan identifies the existing condition of the facility, where additional facilities should be added based on population demographics, and an estimated cost for the facility improvements needed at each facility.

Each year the KSARNG is in competition with the other 54 states and territories National Guard units. Force structure is taken away from states that are under performing and given to states that are performing. In order for a KSARNG unit to perform basic needs must be met to include facility condition. The average age of our Armories is over 60 years old. Sixty years ago the force structure of the National Guard and the equipment assigned was significantly different from what the force structure and equipment assigned is today. A majority of our Armories are not equipped with enough computer capabilities, enough equipment storage, and have fallen into disrepair due to lack of funding. The conditions and the capabilities of the Armories in Kansas significantly impacts the performance of the units assigned to those locations.

The rehabilitation and repair State General Funds that are received by the KSARNG are distributed between the KSARNG and the Air National Guard. The funds are coupled with federal funds in order to pay for maintenance workers salaries, routine building maintenance, utilities, janitorial costs, and construction projects. The KSARNG passes on additional federal funding each year due to the lack of State General Fund Match. Last fiscal year the KSARNG was appropriated \$161,955 in rehabilitation and repair State General Fund for facility improvements. The State General Fund for facility improvements are most often spent on failing roofs and HVAC systems. The average cost of a roof replacement for our armories is approximately \$400,000 and the average cost of HVAC replacement varies greatly depending on the facility needs and uses.

The KSARNG's 10 year plan for improving the facilities is an extremely detailed and thoroughly thought out plan. In the next 10 years the KSARNG plans to add two Readiness Centers, both 100% federally funded and positioned on Federal Land (Forbes Field and Ft. Leavenworth). The average cost of needed improvements at each Armory is \$8,091,769 over the next 5 years. These costs are organized by Life, Health, Safety, Security improvements, compliance regulations, infrastructure, maintenance, modernization, and new construction.

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FY 18 Project Funding Request Project Number & Name	Total		Running Total	
	Federal	State	Federal	State
A687 Lenexa RC Storm Water Drainage Mitigation	\$ 300,000.00	\$ 300,000.00	\$ 300,000.00	\$ 300,000.00
A725 Topeka State Defence Building Boiler	\$ 24,926.00	\$ 201,674.00	\$ 324,926.00	\$ 501,674.00
A560 Colby RC Groundsource Geothermal	\$ 196,200.00	\$ 196,200.00	\$ 521,126.00	\$ 697,874.00
A422 Pratt MVSC Expansion and Non Organizational Resurfacing	\$ 187,048.30	\$ 182,169.00	\$ 708,174.30	\$ 880,043.00
A462 Abilene Low Roof Replacement	\$ 34,928.00	\$ 34,928.00	\$ 743,102.30	\$ 914,971.00
A517 Ottawa Armory Roof Replacement	\$ 160,278.00	\$ 141,910.00	\$ 903,380.30	\$ 1,056,881.00
A724 Topeka State Defence Building DDC	\$ 39,257.50	\$ 317,596.50	\$ 942,637.80	\$ 1,374,477.50
A734 Nickell Armory Chiller Replacement	\$ 66,125.00	\$ 66,125.00	\$ 1,008,762.80	\$ 1,440,602.50
A558 Lenexa Geothermal	\$ 441,200.00	\$ 441,200.00	\$ 2,116,625.18	\$ 2,116,625.18

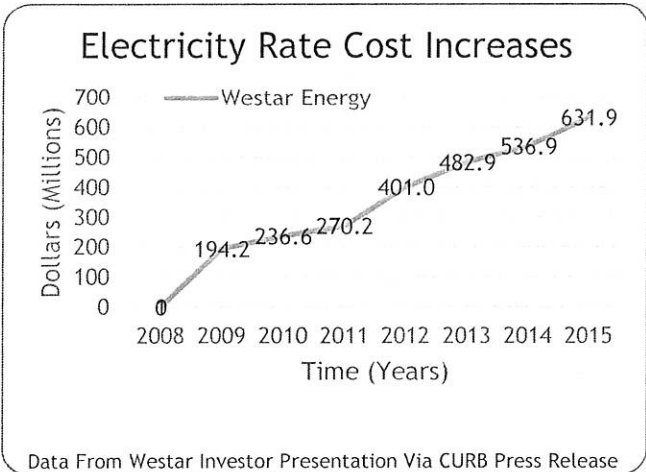
FY 19 Project Funding Request Project Number & Name	Total		Running Total	
	Federal	State	Federal	State
A699 Olathe MVSC Regrading and Fence Renovation	\$ 121,892.00	\$ 121,892.00	\$ 121,892.00	\$ 121,892.00
A571 LIBERAL ROOF REPLACEMENT	\$ 113,400.00	\$ 113,400.00	\$ 235,292.00	\$ 235,292.00
A700 Great Bend MVSC Renovations	\$ 107,500.80	\$ 107,500.80	\$ 342,792.80	\$ 342,792.80
A492 Kansas City Kitchen Renovation	\$ 132,328.38	\$ 132,328.38	\$ 475,121.18	\$ 475,121.18
A536 Kansas City Perimeter Lighting	\$ 138,000.00	\$ 138,000.00	\$ 613,121.18	\$ 613,121.18
A721 Hays MVSC Renovation	\$ 112,200.00	\$ 112,200.00	\$ 725,321.18	\$ 725,321.18
A574 DODGE CITY ROOF REPLACEMENT	\$ 127,120.00	\$ 127,120.00	\$ 852,441.18	\$ 852,441.18
A720 Coffeyville Lighting Renovation	\$ 160,524.00	\$ 160,524.00	\$ 1,012,965.18	\$ 1,012,965.18
A711 Smith Center Roof	\$ 167,060.00	\$ 167,060.00	\$ 1,180,025.18	\$ 1,180,025.18
L399 Nickel Armory HVAC and DDC	\$ 103,000.00	\$ 103,000.00	\$ 1,283,025.18	\$ 1,283,025.18
A554 Wichita South RC Geothermal	\$ 196,200.00	\$ 196,200.00	\$ 1,479,225.18	\$ 1,479,225.18
A557 Great Bend RC Geothermal	\$ 196,200.00	\$ 196,200.00	\$ 1,675,425.18	\$ 1,675,425.18
A576 Olathe RC Ground Source Geothermal	\$ 196,200.00	\$ 196,200.00	\$ 1,204,962.80	\$ 1,636,802.50

Energy Conservation & Facility Sustainability Management

The Kansas Army National Guard (KSARNG) has made energy and water usage reduction a priority over the last 8 years. With energy costs continually on the rise, it is imperative to develop and deploy energy-efficient solutions for aging facilities and affiliated equipment, to foster positive energy conservation habits within the field and community, and to invest in new sustainable technologies and partnerships to provide means of large-scale energy and cost savings for the Kansas Guard.

The KSARNG's utility cost reduction plan is a two part strategy that implements energy-efficient technology and rate negotiations. Utility rate restructuring, schedule modifications and power purchase agreements (PPA's) are examples of a few developments underway that will significantly reduce rising utility usage and cost figures. A large majority of the rate restructuring was executed on facilities with back up generation power, which allows for an interruptible rate plan that decreases the annual cost of utilities. We conservatively estimate that the savings of electricity consumption is approximately 15% of the overall cost of the 2012 expenditure for electricity. A vast majority of the savings was realized through replacing old, inefficient lighting.

The graphs below illustrate the rising cost of utilities and how we have estimated our utility cost savings, based on the strategies that we have employed. We have separated the estimated cost savings between the federal dollars spent and the state dollars spent on utilities, in order to convey the importance of funds for energy-efficient projects. The federal government supports energy-efficient technologies that allow for the KSARNG to realize more savings than at the facilities which are funded 100%.



Salina Readiness Center

Direct Rate Impacts Jan 2007 - Current

kWh	Year	Cost	\$/kWh
12720	Summer Bill 2007	\$759.43	\$0.06
12160	Summer Bill 2016	\$1,411.41	\$0.12
			Rate increase = 100%

Manhattan Readiness Center

Direct Rate Impacts Jan 2007 - Current

kWh	Year	Cost	\$/kWh
60400	Summer Bill 2007	\$2,507.71	\$0.04
31800	Summer Bill 2016	\$3,784.30	\$0.12
			Rate Increase = 200%

