

2014

REPORT TO JOINT APPROPRIATIONS COMMITTEE

The following pages provide an update regarding funding for Technology Infrastructure grants and Classroom Innovation grants provided by the 2013 Legislature.

Technology Infrastructure Grants

The 2013 South Dakota Legislature approved a \$500,000 one-time appropriation to the Department of Education to provide grants to school districts, with the purpose of upgrading technology.

A total of 58 school districts applied for the grants. Thirty-six grants were awarded for a total of \$500,000. Awards were announced Aug. 1, 2013. Grant amounts ranged from \$3,900 to \$20,000, which was the limit. Districts were required to match the grant funds up to 30 percent of the project total.

As of Jan. 13, 2014, 30 of the grant projects have been completed and invoiced. The expectation is that the remaining projects will be completed over the 2013 holidays and invoiced thereafter. Grantees have until May 1, 2014, to complete their projects.

Grant dollars were used primarily on infrastructure purchases to support increased numbers of electronic devices, as well as to improve the speed and dependability of wireless networks. Common items that were purchased include: servers, wireless controllers, switches, cables, and access points.

A spreadsheet providing further detail follows on page 2.

School District	Requesting amt	Matching amt	Grant award amt	Use	Invoice	Report	Complete
Belle Fourche	\$ 13,571.34	\$ 5,816.28	\$ 13,571.34	wireless controller, switches	\$ 13,571.34	yes	x
Bon Homme	\$ 20,000.00	\$ 9,000.00	\$ 20,000.00	server	\$ 13,674.53	yes	X
Chamberlain	\$ 20,000.00	\$ 9,190.00	\$ 20,000.00	switches			
Clark	\$ 6,191.35	\$ 2,653.42	\$ 6,191.35	server	\$ 6,191.35	yes	x
Custer	\$ 20,000.00	\$ 11,663.00	\$ 20,000.00	switches	\$ 20,000.00	yes	x
De Smet	\$ 15,004.00	\$ 7,031.00	\$ 15,004.00	access points, switches	\$ 14,893.00	yes	x
Deubrook	\$ 14,896.64	\$ 6,831.67	\$ 14,896.64	servers, access points	\$ 14,896.64	yes	x
Deuel	\$ 15,972.00	\$ 6,845.00	\$ 15,972.00	Access points, switches	\$ 15,972.00	yes	x
Eureka	\$ 18,966.58	\$ 8,380.20	\$ 18,966.58	access points, wireless controller, server	\$ 18,966.48	yes	x
Faith	\$ 8,187.08	\$ 3,508.75	\$ 8,187.08	wireless system, switch	\$ 8,187.08	yes	x
Freeman	\$ 11,236.19	\$ 4,815.51	\$ 11,236.19	servers	\$ 11,236.19	yes	x
Gayville-Volin	\$ 12,387.00	\$ 19,300.00	\$ 12,387.00	digital classrooms: screens, mics, webcams	\$ 12,387.00	yes	x
Gregory	\$ 19,455.43	\$ 6,000.00	\$ 19,455.43	access points, wireless controller, switches			
Hamlin	\$ 12,150.00	\$ 5,000.00	\$ 12,150.00	access points			
Harrisburg	\$ 20,000.00	\$ 10,118.00	\$ 20,000.00	servers, switches	\$ 20,000.00	yes	x
Hill City	\$ 11,821.00	\$ 10,571.00	\$ 11,821.00	switches	\$ 11,821.00	yes	x
Huron	\$ 20,000.00	\$ 6,100.00	\$ 20,000.00	switches	\$ 20,000.00	yes	x
Langford	\$ 14,752.00	\$ 9,000.00	\$ 14,752.00	Access points, wireless controller, switches, server	\$ 14,752.00	yes	x
Leola	\$ 13,843.56	\$ 6,000.00	\$ 13,843.56	Access points, servers, switches	\$ 13,267.98	yes	x
McCook Central	\$ 16,206.67	\$ 6,946.00	\$ 16,206.67	access points, wireless controller	\$ 16,206.61	yes	x
Menno	\$ 15,738.51	\$ 6,745.08	\$ 15,738.51	access points, wireless controller, switches	\$ 15,174.37	yes	x
Milbank	\$ 20,000.00	\$ 11,928.94	\$ 20,000.00	server, wireless controller, access points, switch	\$ 20,000.00	yes	x
Miller	\$ 6,469.05	\$ 2,772.45	\$ 6,469.05	switches, access points	\$ 6,469.05	yes	x
Mitchell	\$ 20,000.00	\$ 9,400.00	\$ 20,000.00	Access points, wireless controller			
Montrose	\$ 9,079.36	\$ 3,891.15	\$ 9,079.36	access points, wireless, switches	\$ 9,079.36	yes	x
Mount Vernon	\$ 5,443.75	\$ 2,333.04	\$ 5,443.75	wireless controller, switches			
Newell	\$ 16,180.54	\$ 16,180.54	\$ 16,180.54	Access points, switches	\$ 16,180.54	yes	x
Northwestern	\$ 13,001.80	\$ 5,572.20	\$ 13,001.80	access points, wireless, switches	\$ 13,001.80	yes	x
Parkston	\$ 10,000.00	\$ 5,780.00	\$ 10,000.00	Access points, wireless controller, switches	\$ 10,000.00	yes	x
Rapid City	\$ 20,000.00	\$ 12,796.03	\$ 20,000.00	network nodes, access points			
Sioux Valley	\$ 6,273.05	\$ 3,446.06	\$ 6,273.05	server	\$ 6,273.05	yes	x
Stanely Co	\$ 19,624.82	\$ 7,000.00	\$ 19,624.82	switches	\$ 19,624.82	yes	x
Warner	\$ 3,946.56	\$ 1,691.38	\$ 3,946.56	server	\$ 3,946.56	yes	x
Waverly	\$ 4,833.85	\$ 2,071.65	\$ 4,833.85	wireless, access points	\$ 4,833.85	yes	x
Webster	\$ 20,000.00	\$ 32,500.00	\$ 4,767.87	wireless, server, switches	\$ 4,767.87	yes	x
Wolsey-Wessington	\$ 20,000.00	\$ 8,572.00	\$ 20,000.00	Access points, wireless controller, switches, server	\$ 19,459.00	yes	x
	\$ 515,232.13		\$ 500,000.00		\$ 394,833.47		

Classroom Innovation Grants

Through HB 1164, the 2013 South Dakota Legislature approved a \$500,000 one-time appropriation to the Department of Education to provide classroom innovation grants. The purpose of the grant program is to provide funding to allow classroom teachers to utilize technology in creative and innovative ways to enhance the learning and achievement of their students.

The department received a total of 128 grant applications and awarded 26 grants. Awards were announced Aug. 1, 2013. Grant amounts ranged from \$3,400 to \$25,000.

As of Jan. 13, 2014, 11 of the grant projects have been completed. Grantees have until June 15, 2014, to complete their projects.

Grant dollars were used to make technology related purchases, both hardware and software, that would support and enhance student learning and achievement. Below are two examples of funded projects: one at the elementary level and one at the secondary level.

A spreadsheet providing further detail follows on page 4.

Beresford Elementary: Purchase of iPads, headphones, microphones and apps to improve reading accuracy and fluency of 3rd grade students (increase correct words per minute by 45), which leads to improved comprehension. Strategies include a weekly Reader's Theater that students perform, record and reflect upon; Reading Log ap, which gives students accountability to the minutes they read independently; Podcast/Vodcast, including writing of scripts, practicing of delivery, presentation before live audience, recording and reviewing; blogging; and electronic portfolio, which requires students to track their progress and how they achieved it. In addition, the project will allow for a "flipped classroom" and differentiated instruction, in that the teacher will create short clips for students to watch on their iPads, resulting in more time for the teacher to work with individual students. Students will have individual fluency goals and will be able to work independently, with the assistance of this technology.

Mitchell High School: Purchase of online platform that allows for individualized instruction and learning in life sciences courses, and purchase of digital sensors to engage students in hands-on scientific inquiry. The Edgenuity software package of lesson plans and digital lessons allows for individualized science instruction (i.e., mass customized learning). The Edgenuity platform provides the core ideas in instruction that are supplemented with labs and cross-curricular activities. The digital sensors, used in a lab setting, allow students to gather scientific evidence and perform scientific inquiry through hands-on activities. Purchases include CO2 Gas Sensors, Low-g Accelerometers, Magnetic Field Sensors, Hand-Grip Heart Rate Monitors, pH Sensors, and Radiation Monitors. Having access to these tools enables students to gather and analyze evidence and data through real-time experiments.

School	Amount Requested	Amount Awarded	Use	Invoice	Report	Complete
Beresford - 3rd grade	\$ 20,066.75	\$ 20,066.75	I pads	\$ 19,345.61	yes	x
Beresford- High school	\$ 20,594.90	\$ 20,594.90	HDTV Producer and software	\$ 20,594.90	yes	x
Brookings - high school	\$ 9,682.00	\$ 9,682.00	graphing calculators			
Brookings- middle school	\$ 24,948.00	\$ 24,948.00	Chromebooks	\$ 20,175.00	yes	x
Custer - 4th grade	\$ 15,629.00	\$ 15,629.00	I pads	\$ 15,624.14	yes	x
De Smet- elementary	\$ 25,000.00	\$ 25,000.00	I pads	\$ 21,919.54	yes	x
Dell Rapids - elementary	\$ 24,280.00	\$ 24,280.00	I pads	\$ 24,280.00	yes	x
East Middle School, Rapid City	\$ 11,564.00	\$ 11,564.00	Chromebooks			
Hoven- K-12	\$ 25,000.00	\$ 25,000.00	I pads	\$ 22,542.43	yes	
Howard Elementary	\$ 20,058.40	\$ 20,058.40	HP Laptops	\$ 20,058.40	yes	x
Kimball - 2nd grade	\$ 20,146.95	\$ 20,146.95	I pads	\$ 19,273.40	yes	
Meade - high school	\$ 23,319.00	\$ 23,319.00	Microsoft tablets	\$20,709.89	yes	
Milbank- 4th grade	\$ 7,773.00	\$ 7,773.00	I pads	\$ 6,838.00	yes	
Mitchell - elementary	\$ 25,000.00	\$ 25,000.00	I pads		yes	
Mitchell - high school	\$ 25,000.00	\$ 25,000.00	Edgenuity, lab equipment		yes	
Mobridge - middle	\$ 24,872.95	\$ 24,872.95	I pads	\$ 23,966.59	yes	
Parker- middle	\$ 18,871.00	\$ 18,871.00	Chromebooks	\$ 18,871.00	yes	x
Rapid City - high school	\$ 24,788.00	\$ 24,788.00	Google Nexus 7 tablets			
Rapid City -high school	\$ 19,299.05	\$ 19,299.05	I pads			
Rapid City Horace Mann elementary	\$ 17,859.90	\$ 17,859.90	HP notebooks, software, I pads		yes	
Scotland - 1st grade	\$ 15,921.00	\$ 15,921.00	I pads	\$ 15,921.00	yes	x
Sioux Falls - John Harris Elementary	\$ 5,500.00	\$ 5,500.00	Dreambox	\$ 5,500.00	yes	x
Sioux Falls - K-5	\$ 3,418.96	\$ 3,418.96	clicker student response system			
Vermillion - district wide	\$ 25,000.00	\$ 25,000.00	Symbaloo, PD for entire district on I pads and classroom flipping			
Warner School District - middle school	\$ 25,000.00	\$21,407.14	HP tablets	\$ 21,407.14	yes	x
Wolsey-Wessington - elementary	\$ 25,000.00	\$ 25,000.00	Chromebooks and touchscreens	\$ 17,904.00	yes	
	\$ 503,592.86	\$ 500,000.00		\$ 314,931.04		