



Eric Milstead
Director

Legislative Services Office Idaho State Legislature

Serving Idaho's Citizen Legislature

Memorandum

Date: November 20, 2015

To: Broadband Access Study Committee (Co-Chairs Sen. Mortimer and Rep. Malek)

From: Paul Headlee, Legislative Services Office, Budget & Policy Analysis

Re: State Agency and School District Broadband Media Type (Fiber, Copper, Microwave, etc.)

This memorandum provides information on the type of media currently used by state agencies, school districts, and charter schools to receive broadband connectivity from various vendors. The type of media refers to either fiber or copper wiring, and to a lesser extent microwave and wireless technologies.

The information was collected from both the State Department of Administration and the State Department of Education and is a first step toward addressing a gap analysis of broadband coverage related to state agencies, school districts, and charter schools. Currently, all of the entities have broadband connectivity; however, the type of connectivity varies by technology.

Because many of the 45 agencies, boards, and commissions have multiple locations, there are 311 state agency connections. Of this number 33% are fiber and 67% are copper. For the 131 school district and charter school connections, 63% are fiber, 30% are microwave, 3% are copper, and 4% are other technologies.

Tables 1 through 5 include information for state agencies and Table 6 is specific to school districts and charter schools.

Table 1 includes 52 agency connections from various vendors. Of the 52 connections, 15 use fiber and 37 use copper. These connections include agencies both within the Treasure Valley (also referred to as the Metropolitan Area Network (MAN)) and outside the Treasure Valley (referred to as the Wide Area Network (WAN)) and were not affected by the contract that was determined void by Judge Owen in November 2014.

Table 2 includes 45 agency connections from the vendor Integra Telecom in the MAN only. Of the 45 connections all use copper wiring. These connections were not affected by Judge Owen's ruling.

Mike Nugent, Manager
Research & Legislation

Cathy Holland-Smith, Manager
Budget & Policy Analysis

April Renfro, Manager
Legislative Audits

Glenn Harris, Manager
Information Technology



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Table 3 includes 35 agency connections from the vendor Tw Telecom in the MAN only. Of the 35 connections, 31 use fiber and 4 use copper wiring. These connections were not affected by Judge Owen's ruling.

Table 4 includes 74 WAN agency connections that currently use CenturyLink under an emergency contract that will expire near the end of December. According to the Department of Administration, they are in a second bid process because the first did not yield cost-effective responses. These connections were affected by Judge Owen's ruling. Of the 74 connections, 1 is fiber and 73 are copper.

Table 5 includes 106 WAN connections that currently use, or will soon be transitioned to, Syringa under a one-year contract authorized through S1175, Section 9. These connections were affected by Judge Owen's ruling. Of these 106 connections, 58 are fiber and 48 are copper.

Table 6 includes 131 connections to school districts and charter schools. The information shows those connections during the last time period of the IEN and now in the post-IEN period of the High School Broadband Project (HSBP). Currently, of the 131 connections, 82 are fiber, 39 are microwave, 4 are copper, 3 are Coax/Cable, 2 are Fiber/Microwave, and 1 is wireless. Therefore, currently 63% of the connections are fiber and 30% are microwave. This is compared to 82% fiber during the IEN period.

Please let me know if you have questions.

Mike Nugent, Manager
Research & Legislation

Cathy Holland-Smith, Manager
Budget & Policy Analysis

Ray Ineck, Manager
Legislative Audits

Glenn Harris, Manager
Information Technology

Statehouse, P.O. Box 83720
Boise, Idaho 83720-0054

Tel: 208-334-2475
www.legislature.idaho.gov

Table 1
Multiple Vendors Statewide

Agency	Carrier	City	Media	BW (Mbps)
CHANNEL 4 (IPBS)	Syringa	Boise	Fiber	30.0
CORRECTIONS ADMIN	Syringa	Boise	Fiber	100.0
DEPT OF LABOR	Syringa	Boise-Post Falls	Fiber	1G
DEPT OF LABOR	Zayo	Boise	Fiber	1G
FINANCE DEPT	Integra	Boise	Fiber	1G
FISH & GAME	Integra	Boise	Fiber	1G
HEALTH & WELFARE	Syringa	Nampa	Fiber	1G
HEALTH DISTRICT V	Syringa	Twin Falls	Fiber	10.0
HEALTH DISTRICT V	Syringa	Jerome	Fiber	5.0
HEALTH DISTRICT V	Syringa	Bellevue	Fiber	10.0
HEALTH DISTRICT V	Syringa	Gooding	Fiber	10.0
HEALTH DISTRICT V	Syringa	Burley	Fiber	5.0
LABOR	Syringa	Caldwell	Fiber	1G
TAX COMMISSION	Integra	Boise	Fiber	1G
VETERANS SERVICES	Zayo	Eagle	Fiber	1G
AGRICULTURE DEPARTMENT	Syringa	Twin Falls	Copper	1.5
BLIND COMMISSION	Syringa	Pocatello	Copper	1.5
BLIND COMMISSION	Syringa	Idaho Falls	Copper	1.5
BLIND COMMISSION	Syringa	CDA	Copper	1.5
BLIND COMMISSION	Syringa	Twin Falls	Copper	1.5
BLIND COMMISSION	Syringa	Lewiston	Copper	1.5
BUILDING SERVICES	Syringa	Lewiston	Copper	1.5
CORRECTIONS ADMIN	Syringa	Burley	Copper	5.0
CORRECTIONS ADMIN	Syringa	Blackfoot	Copper	7.0
CORRECTIONS ADMIN	Syringa	Idaho Falls	Copper	5.0
CORRECTIONS ADMIN	Syringa	Meridian	Copper	3.0
CORRECTIONS ADMIN	Syringa	Payette	Copper	5.0
CORRECTIONS ADMIN	Syringa	Rexburg	Copper	3.0
CORRECTIONS ADMIN	Syringa	Mt Home	Copper	7.0
CORRECTIONS ADMIN	Syringa	Lewiston	Copper	7.0
CORRECTIONS ADMIN	Integra	Boise	Copper	1.5
HEALTH DISTRICT V	Syringa	Rupert	Copper	1.5
INDUSTRIAL COMMISSION	Syringa	Sandpoint	Copper	1.5
INDUSTRIAL COMMISSION	Syringa	Payette	Copper	1.5
INDUSTRIAL COMMISSION	Syringa	Burley	Copper	1.5
INDUSTRIAL COMMISSION	Syringa	Kellogg	Copper	1.5
LOTTERY COMMISSION	Integra	Boise	Copper	1.5
PUBLIC WORKS	Syringa	Lewiston	Copper	1.5
PUBLIC WORKS	Syringa	Pocatello	Copper	1.5
PUBLIC WORKS	Syringa	Idaho Falls	Copper	1.5
VOCATIONAL REHAB	Frontier	Sandpoint	Copper	1.5
VOCATIONAL REHAB	Syringa	Boise	Copper	1.5
VOCATIONAL REHAB	Syringa	Boise	Copper	1.5
VOCATIONAL REHAB	Syringa	Caldwell	Copper	1.5
VOCATIONAL REHAB	Syringa	Caldwell	Copper	1.5
VOCATIONAL REHAB	Syringa	Nampa	Copper	1.5
VOCATIONAL REHAB	Syringa	Idaho Falls	Copper	1.5
VOCATIONAL REHAB	Syringa	Idaho Falls	Copper	1.5
VOCATIONAL REHAB	Syringa	Payette	Copper	1.5
VOCATIONAL REHAB	Syringa	Twin Falls	Copper	1.5
VOCATIONAL REHAB	Frontier	CDA	Copper	1.5
VOCATIONAL REHABILITATION	Syringa	Mt Home	Copper	1.5

Fiber	15
Copper	37
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Source: State Department of Administration, 11-4-2015

Table 2

Vendor: Integra Telecom, Metropolitan Area Network (MAN)

Agency	City	Media	BW (Mbps)
ACCOUNTANCY BD	Boise	Copper	1.5
ADMIN- FEDERAL SURPLUS PROP	Caldwell	Copper	1.5
CORRECTIONS ADMIN	Boise	Copper	3
CORRECTIONS ADMIN	Boise	Copper	3
FISH & GAME	Boise	Copper	1.5
HEALTH DISTRICT IV	Boise	Copper	1.5
HISPANIC AFFAIRS COMM	Boise	Copper	3
HISTORICAL SOCIETY	Boise	Copper	3
HISTORICAL SOCIETY	Boise	Copper	1.5
HISTORICAL SOCIETY	Boise	Copper	1.5
INDUSTRIAL COMMISSION	Caldwell	Copper	1.5
JUVENILE CORRECTIONS	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Boise	Copper	1.5
LIQUOR DISPENSARY	Nampa	Copper	1.5
LIQUOR DISPENSARY	Caldwell	Copper	1.5
LIQUOR DISPENSARY	Eagle	Copper	1.5
LIQUOR DISPENSARY	Kuna	Copper	1.5
LIQUOR DISPENSARY	Eagle	Copper	1.5
LIQUOR DISPENSARY	Meridian	Copper	1.5
LIQUOR DISPENSARY	Meridian	Copper	1.5
LIQUOR DISPENSARY	Meridian	Copper	1.5
LIQUOR DISPENSARY	Meridian	Copper	1.5
LIQUOR DISPENSARY	Nampa	Copper	1.5
LIQUOR DISPENSARY	Nampa	Copper	1.5
LIQUOR DISPENSARY	Nampa	Copper	1.5
PARKS AND RECREATION	Boise	Copper	1.5
PROF ENG & LAND SURVEYOR	Meridian	Copper	1.5
REAL ESTATE COMMISSION	Boise	Copper	1.5
VOCATIONAL REHAB	Meridian	Copper	1.5
VOCATIONAL REHAB	Meridian	Copper	1.5
VOCATIONAL REHAB	Nampa	Copper	1.5
WATER RESOURCES	Boise	Copper	3

Fiber	0
Copper	45
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	45

Source: State Department of Administration, 11-4-2015

Table 3
Vendor: Tw Telecom in the Metropolitan Area Network (MAN)

AGENCY	CITY	Media	BW (Mbps)
ADM Aggregation	BOISE	Fiber	300
ADM Aggregation	MERIDIAN	Fiber	300
AGING	MERIDIAN	Fiber	6
Board of Medicine	BOISE	Fiber	10
Board of Tax Appeals	BOISE	Fiber	8
Correctional Industries	BOISE	Fiber	10
CO-LO - AGR, DHW AND ARTS	BOISE	Fiber	100
CO-LO - VR AND IDOC	BOISE	Fiber	10
CO-LO - LOTTERY AND BOP	BOISE	Fiber	30
CO-LO - IDOC, DHW, AND DJC	NAMPA	Fiber	150
CO-LO - TAX, FINANCE AND VR	CALDWELL	Fiber	60
Ag. DAIRY	MERIDIAN	Fiber	20
DHW	BOISE	Fiber	100
DHW	BOISE	Fiber	100
DHW	CALDWELL	Fiber	60
DHW	NAMPA	Fiber	60
IDFG	BOISE	Fiber	100
IDFG	NAMPA	Fiber	10
IDFG	NAMPA	Fiber	10
IDFG	BOISE	Fiber	70
IDOC	BOISE	Fiber	10
IDOC	CALDWELL	Fiber	10
IDPR	BOISE	Fiber	30
Idaho Industrial Commission	BOISE	Fiber	60
Idaho State Bar	BOISE	Fiber	40
Historical Society	BOISE	Fiber	10
Liquor Dispensary	BOISE	Fiber	10
PHD3	CALDWELL	Fiber	20
POTATO	EAGLE	Fiber	50
VR	BOISE	Fiber	10
VR	CALDWELL	Fiber	10
IDFG	NAMPA	Copper	3
IDFG	EAGLE	Copper	4.5
IDOC	BOISE	Copper	4.5
LABOR	BOISE	Copper	3

Fiber	31
Copper	4
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Source: State Department of Administration, 11-4-2015

Table 4

Vendor: CenturyLink, Wide Area Network (WAN), Emergency Contract

AGENCY	City	Media	BW (Mbps)
LABOR	BLACKFOOT	Fiber	5.0
DEQ	KELLOGG	Copper	1.5
DHW	LAPWAI	Copper	1.5
DHW	HAYDEN	Copper	1.5
DHW	HOMEDALE	Copper	1.5
DHW	MOSCOW	Copper	3.0
DHW	COEUR D'ALENE	Copper	1.5
DHW	PONDERAY	Copper	3.0
DHW	GRANGEVILLE	Copper	3.0
DHW	COEUR D'ALENE	Copper	3.0
DHW	PRESTON	Copper	1.5
DHW	COTTONWOOD	Copper	3.0
DHW	LEWISTON	Copper	3.0
DHW	OROFINO	Copper	12.0
DHW	REXBURG	Copper	3.0
DHW	KELLOGG	Copper	3.0
DHW	PLUMMER	Copper	1.5
DJC	LEWISTON	Copper	1.5
DJC	COEUR D'ALENE	Copper	1.5
DJC	LEWISTON	Copper	6.0
DJC	SANDPOINT	Copper	1.5
DJC	COEUR D'ALENE	Copper	1.5
IDFG	COEUR D'ALENE	Copper	3.0
IDFG	LEWISTON	Copper	3.0
IDOC	COEUR D'ALENE	Copper	3.0
IDOC	OROFINO	Copper	3.0
IDVS	POST FALLS	Copper	1.5
IIC	COEUR D'ALENE	Copper	1.5
Liquor Dispensary	OROFINO	Copper	1.5
Liquor Dispensary	LEWISTON	Copper	1.5
Liquor Dispensary	COEUR D'ALENE	Copper	1.5
Liquor Dispensary	RATHDRUM	Copper	1.5
Liquor Dispensary	COEUR D'ALENE	Copper	1.5
Liquor Dispensary	KELLOGG	Copper	1.5
Liquor Dispensary	POST FALLS	Copper	1.5
Liquor Dispensary	OROFINO	Copper	1.5
Liquor Dispensary	COEUR D'ALENE	Copper	1.5
Liquor Dispensary	COEUR D'ALENE	Copper	1.5
Liquor Dispensary	ST MARIES	Copper	1.5
Liquor Dispensary	PRIEST RIVER	Copper	1.5
Liquor Dispensary	SANDPOINT	Copper	1.5
Liquor Dispensary	PONDERAY	Copper	1.5
Liquor Dispensary	BONNERS FERRY	Copper	1.5
Liquor Dispensary	POST FALLS	Copper	1.5
Liquor Dispensary	MOSCOW	Copper	1.5
Liquor Dispensary	MOSCOW	Copper	1.5
Liquor Dispensary	KAMIAH	Copper	1.5
Liquor Dispensary	HAYDEN	Copper	1.5
Liquor Dispensary	POST FALLS	Copper	1.5
LABOR	SAINT MARIES	Copper	4.5
LABOR	MOSCOW	Copper	4.5
LABOR	EMMETT	Copper	4.5
LABOR	GRANGEVILLE	Copper	5.0
LABOR	OROFINO	Copper	3.0
LABOR	SANDPOINT	Copper	4.5
LABOR	BONNERS FERRY	Copper	3.0
PHD1	SANDPOINT	Copper	3.0
PHD1	KELLOGG	Copper	1.5
PHD1	SAINT MARIES	Copper	1.5
PHD1	BONNERS FERRY	Copper	1.5
PHD1	HAYDEN	Copper	3.0
PHD2	KAMIAH	Copper	1.5
PHD2	LEWISTON	Copper	3.0
PHD2	MOSCOW	Copper	1.5
PHD2	GRANGEVILLE	Copper	1.5
PHD3	EMMETT	Copper	1.5
PHD7	REXBURG	Copper	1.5
VR	REXBURG	Copper	1.5
VR	BURLEY	Copper	1.5
VR	COEUR D'ALENE	Copper	1.5
VR	COEUR D'ALENE	Copper	3.0
VR	PRESTON	Copper	1.5
VR	MOSCOW	Copper	1.5
VR	OROFINO	Copper	1.5

Fiber 1
 Copper 73

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Source: State Department of Administration, 11-4-2015

Table 5
Vendor: Syringa, Wide Area Network (WAN)

Agency	City	Media	BW (Mbps)
DBS	COEUR D'ALENE	Fiber	5.0
ADM	MERIDIAN	Fiber	1GB
ADM	BOISE	Fiber	1GB
DBS	COEUR D'ALENE	Fiber	5.0
DBS	POCATELLO	Fiber	5.0
DEQ	CDA	Fiber	20.0
DEQ	POCATELLO	Fiber	10.0
DEQ	TWIN FALLS	Fiber	10.0
DEQ	IDAHO FALLS	Fiber	10.0
DHW	POCATELLO	Fiber	20.0
DHW	COEUR D'ALENE	Fiber	30.0
DHW	IDAHO FALLS	Fiber	30.0
DHW	BURLEY	Fiber	10.0
DHW	POCATELLO	Fiber	10.0
DHW	PAYETTE	Fiber	10.0
DHW	TWIN FALLS	Fiber	20.0
DHW	BLACKFOOT	Fiber	30.0
DHW	IDAHO FALLS	Fiber	30.0
DHW	TWIN FALLS	Fiber	20.0
DHW	BOISE	Fiber	300.0
DHW	NAMPA	Fiber	300.0
DJC (IJOS)	POCATELLO	Fiber	5.0
IDFG	POCATELLO	Fiber	100.0
IDFG	JEROME	Fiber	30.0
IDFG	IDAHO FALLS	Fiber	30.0
IDFG	MCCALL	Fiber	20.0
IDFG	SALMON	Fiber	20.0
IDFG	COEUR D'ALENE	Fiber	30.0
IDOC	POCATELLO	Fiber	10.0
IDOC	ST ANTHONY	Fiber	10.0
IDOC	TWIN FALLS	Fiber	20.0
IDPR	COEUR D'ALENE	Fiber	10.0
IDPR	IDAHO FALLS	Fiber	10.0
IDWR	TWIN FALLS	Fiber	10.0
IDWR	COEUR D'ALENE	Fiber	5.0
IDWR	IDAHO FALLS	Fiber	10.0
LIQUOR	PAYETTE	Fiber	5.0
LIQUOR	CHUBBUCK	Fiber	5.0
LABOR	LEWISTON	Fiber	20.0
LABOR	BURLEY	Fiber	10.0
LABOR	SALMON	Fiber	5.0
LABOR	IDAHO FALLS	Fiber	20.0
LABOR	TWIN FALLS	Fiber	10.0
LABOR	POCATELLO	Fiber	20.0
LABOR	PAYETTE	Fiber	10.0
LABOR	POST FALLS	Fiber	20.0
PERSI	POCATELLO	Fiber	10.0
PERSI	COEUR D'ALENE	Fiber	5.0
PHD7	IDAHO FALLS	Fiber	10.0
TAX	IDAHO FALLS	Fiber	10.0
TAX	COEUR D'ALENE	Fiber	5.0
TAX	TWIN FALLS	Fiber	10.0

Fiber	57
Copper	48
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Co-Location	LEWISTON	Fiber	
DHW	LEWISTON	Fiber	20.0
Tax	LEWISTON	Fiber	5.0
DEQ	LEWISTON	Fiber	10.0
VR	LEWISTON	Fiber	8.0
IIC	LEWISTON	Fiber	2.0
DHW	SALMON	Copper	1.5
DHW	MOUNTAIN HOME	Copper	3.0
DHW	FORT HALL	Copper	1.5
DJC	TWIN FALLS	Copper	1.5
DJC (IJS)	TWIN FALLS	Copper	1.5
DJC (IJS)	CALDWELL	Copper	1.5
DJC	ST ANTHONY	Copper	6.0
IDOC	POCATELLO	Copper	10.5
IDOC	IDAHO FALLS	Copper	10.0
IIC	POCATELLO	Copper	1.5
IIC	TWIN FALLS	Copper	1.5
IIC	IDAHO FALLS	Copper	1.5
IIC	BOISE	Copper	1.5
LIQUOR	JEROME	Copper	1.5
LIQUOR	SALMON	Copper	1.5
LIQUOR	TWIN FALLS	Copper	1.5
LIQUOR	POCATELLO	Copper	1.5
LIQUOR	TWIN FALLS	Copper	1.5
LIQUOR	IDAHO FALLS	Copper	1.5
LIQUOR	IDAHO FALLS	Copper	1.5
LIQUOR	TWIN FALLS	Copper	1.5
LIQUOR	HAILEY	Copper	1.5
LIQUOR	AMMON	Copper	1.5
LIQUOR	KETCHUM	Copper	1.5
LIQUOR	MOUNTAIN HOME	Copper	1.5
LIQUOR	BLACKFOOT	Copper	1.5
LIQUOR	RUPERT	Copper	1.5
LIQUOR	IDAHO FALLS	Copper	1.5
LIQUOR	BURLEY	Copper	1.5
LIQUOR	POCATELLO	Copper	1.5
LIQUOR	POCATELLO	Copper	1.5
Supreme CT	TWIN FALLS	Copper	3.0
LABOR	MOUNTAIN HOME	Copper	4.5
LABOR	SODA SPRINGS	Copper	3.0
PHD3	PAYETTE	Copper	1.5
PHD3	CALDWELL	Copper	1.5
PHD3	WEISER	Copper	1.5
PHD7	RIGBY	Copper	1.5
PHD7	ST ANTHONY	Copper	1.5
PHD7	SALMON	Copper	1.5
TAX	POCATELLO	Copper	6.0
VR	POCATELLO	Copper	3.0
VR	BURLEY	Copper	1.5
VR	IDAHO FALLS	Copper	3.0
VR	BLACKFOOT	Copper	1.5
VR	BLACKFOOT	Copper	1.5
VR	TWIN FALLS	Copper	3.0
VR	TWIN FALLS	Copper	1.5

Source: State Department of Administration, 11-4-2015

Table 6 School District and Charter School Connectivity

LEA Data			IEN			HSBP		
Dist. #	District Name	Reg	Local Loop Provider	Media	BW	Local Loop Provider	Media	BW
476	ANOTHER CHOICE VIRTUAL CHARTER DISTRICT	3	CenturyLink	Fiber	10	Cable One, Inc.	Coax/Cable	60/3
133	WILDER DISTRICT	3	TechHUT	Microwave	40	Cable One, Inc.	Coax/Cable	75/5
491	COEUR D'ALENE CHARTER ACADEMY DISTRICT	1	Frontier/Verizon	Fiber	18	Time Warner Cable Information Services (Idaho), LLC	Coax/Cable	50
466	iSUCCEED VIRTUAL HIGH SCHOOL	3	CenturyLink	Fiber	20	CenturyLink Qwest Communications Company, LLC	Copper	40/20
470	KOOTENAI BRIDGE ACADEMY	1	Frontier/Verizon	Copper	12	Frontier Communications Northwest, Inc.	Copper	20
161	CLARK COUNTY DISTRICT	6	Syringa/Mud Lake	Copper	10	Mud Lake Telephone Cooperative Assn., Inc.	Copper	50
709	IDAHO DEPT JUVENILE CORRECTION	4	CenturyLink	Copper	3	Syringa Networks, LLC.	Copper	23
351	ONEIDA COUNTY DISTRICT	5	Syringa/Albion	Fiber	20	Albion Telephone Company, Inc.	Fiber	100
111	BUTTE COUNTY JOINT DISTRICT	6	Syringa/Albion	Fiber	6	Albion Telephone Company, Inc.	Fiber	100
182	MACKAY JOINT DISTRICT	6	Syringa/Albion	Fiber	5	Albion Telephone Company, Inc.	Fiber	100
60	SHELLEY JOINT DISTRICT	6	CenturyLink	Fiber	50	Cable One, Inc.	Fiber	100
55	BLACKFOOT DISTRICT	6	CenturyLink	Fiber	100	Cable One, Inc.	Fiber	300
462	XAVIER CHARTER SCHOOL	4	CenturyLink	Fiber	20	CenturyLink Qwest Communications Company, LLC	Fiber	20
72	BASIN SCHOOL DISTRICT	3	CenturyLink	Fiber	30	CenturyLink Qwest Communications Company, LLC	Fiber	45
292	SOUTH LEMHI DISTRICT	6	CenturyLink	Fiber	9	CenturyLink Qwest Communications Company, LLC	Fiber	45
91	IDAHO FALLS DISTRICT	6	CenturyLink	Fiber	200	CenturyLink Qwest Communications Company, LLC	Fiber	200
401	TETON COUNTY DISTRICT	6	Syringa/Columbine Telco Silver Star	Fiber	100	Silver Star Telephone Co., Inc.	Fiber	1000
83	WEST BONNER COUNTY DISTRICT	1	Frontier/Verizon	Fiber	45	Concept Communication Corporation	Fiber	100
432	CAMBRIDGE JOINT DISTRICT	3	Syringa/Cambridge	Fiber	3	CTC Telecom, Inc.	Fiber	50
13	COUNCIL DISTRICT	3	Syringa/Cambridge	Fiber	6	CTC Telecom, Inc.	Fiber	50
181	CHALLIS JOINT DISTRICT	6	Syringa/Custer	Fiber	50	Custer Telephone Broadband Services, LLC	Fiber	100
291	SALMON DISTRICT	6	Syringa/Custer	Fiber	35	Custer Telephone Broadband Services, LLC	Fiber	100
149	NORTH GEM DISTRICT	5	CenturyLink	Fiber	12	Direct Communications - Rockland, Inc.	Fiber	50
148	GRACE JOINT DISTRICT	5	CenturyLink	Fiber	18	Direct Communications - Rockland, Inc.	Fiber	60
33	BEAR LAKE COUNTY DISTRICT	5	CenturyLink	Fiber	18	Direct Communications - Rockland, Inc.	Fiber	100
21	MARSH VALLEY JOINT DISTRICT	5	CenturyLink	Fiber	15	Direct Communications - Rockland, Inc.	Fiber	100
58	ABERDEEN DISTRICT	5	Syringa	Fiber	60	Direct Communications - Rockland, Inc.	Fiber	100
201	PRESTON JOINT DISTRICT	5	CenturyLink	Fiber	66	Direct Communications - Rockland, Inc.	Fiber	100
382	ROCKLAND DISTRICT	5	Syringa/Direct Comm	Fiber	20	Direct Communications - Rockland, Inc.	Fiber	100
371	PAYETTE JOINT DISTRICT	3	CenturyLink	Fiber	100	Ednetics, Inc.	Fiber	100
421	MCCALL-DONNELLY JT. SCHOOL DISTRICT	3	Syringa/Cable One	Fiber	100	Ednetics, Inc.	Fiber	500
59	FIRTH DISTRICT	6	CenturyLink	Fiber	33	Ednetics, Inc.	Fiber	1000
271	COEUR D'ALENE DISTRICT	1	Ednetics	Fiber	200	Ednetics, Inc.	Fiber	1000
381	AMERICAN FALLS JOINT DISTRICT	5	CenturyLink	Fiber	50	Ednetics, Inc.	Fiber	1000
272	LAKELAND DISTRICT	1	Frontier/Verizon	Fiber	54	Ednetics, Inc.	Fiber	1000
273	POST FALLS DISTRICT	1	Frontier/Verizon	Fiber	95	Ednetics, Inc.	Fiber	1000
774	IDAHO DIGITAL LEARNING ACADEMY	3	CenturyLink	Fiber	20	Electric Lightwave LLC (Integra)	Fiber	50
139	VALLIVUE SCHOOL DISTRICT	3	CenturyLink	Fiber	300	Electric Lightwave LLC (Integra)	Fiber	200
490-Post Falls	IDEA Post Falls IDAHO DISTANCE EDUCATION ACADEMY DISTRICT	2	Frontier/Verizon	Copper	9	ENA Services, LLC	Fiber	15
11	MEADOWS VALLEY DISTRICT	3	Syringa/Cable One	Fiber	20	ENA Services, LLC	Fiber	20
285	POTLATCH DISTRICT	2	Frontier/Verizon	Fiber	18	ENA Services, LLC	Fiber	20
243	SALMON RIVER JOINT SCHOOL DIST	2	Syringa	Copper	20	ENA Services, LLC	Fiber	20
596	IDAHO SCHOOL FOR THE DEAF AND BLIND	4	CenturyLink	Fiber	15	ENA Services, LLC	Fiber	20
365	BRUNEAU-GRAND VIEW JOINT SCHOOL DISTRICT	3	CenturyLink	Fiber	30	ENA Services, LLC	Fiber	30
252	RIRIE JOINT DISTRICT	6	CenturyLink	Fiber	37	ENA Services, LLC	Fiber	50
431	WEISER DISTRICT	3	CenturyLink	Fiber	50	ENA Services, LLC	Fiber	50
202	WEST SIDE JOINT DISTRICT	5	CenturyLink	Fiber	24	ENA Services, LLC	Fiber	50
455	COMPASS CHARTER SCHOOL	3	CenturyLink	Fiber	30	ENA Services, LLC	Fiber	60
795	IDAHO ARTS CHARTER SCHOOL	3	CenturyLink	Fiber	30	ENA Services, LLC	Fiber	60
215	FREMONT COUNTY JOINT DISTRICT	6	Syringa/Fairpoint	Fiber	50	ENA Services, LLC	Fiber	100
422	CASCADE DISTRICT	3	Syringa/Cable One	Fiber	20	ENA Services, LLC	Fiber	100
231	GOODING JOINT DISTRICT	4	CenturyLink	Fiber	54	ENA Services, LLC	Fiber	100
73	HORSESHOE BEND SCHOOL DISTRICT	3	Syringa/Cable One	Fiber	20	ENA Services, LLC	Fiber	100
135	NOTUS DISTRICT	3	CenturyLink	Fiber	30	ENA Services, LLC	Fiber	100
52	SNAKE RIVER DISTRICT	5	CenturyLink	Fiber	80	ENA Services, LLC	Fiber	100
370	HOMEDALE JOINT DISTRICT	3	Syringa/Cable One	Fiber	100	ENA Services, LLC	Fiber	150

LEA Data			IEN			HSBP		
Dist. #	District Name	Reg	Local Loop Provider	Media	BW	Local Loop Provider	Media	BW
322	SUGAR-SALEM JOINT DISTRICT	6	CenturyLink	Fiber	100	ENA Services, LLC	Fiber	200
84	LAKE PEND OREILLE SCHOOL DISTRICT	1	Frontier/Verizon	Fiber	135	ENA Services, LLC	Fiber	200
134	MIDDLETON DISTRICT	3	CenturyLink	Fiber	200	ENA Services, LLC	Fiber	200
132	CALDWELL DISTRICT	3	CenturyLink	Fiber	200	ENA Services, LLC	Fiber	300
25	POCATELLO DISTRICT	5	CenturyLink	Fiber	200	ENA Services, LLC	Fiber	400
411	TWIN FALLS DISTRICT	4	CenturyLink	Fiber	300	ENA Services, LLC	Fiber	600
373	FRUITLAND DISTRICT	3	Syringa/Farmers Mutual	Fiber	100	Farmers Mutual Telephone Company	Fiber	100
417	CASTLEFORD DISTRICT	4	CenturyLink	Fiber	42	Filer Mutual Telephone	Fiber	50
413	FILER DISTRICT	4	Syringa/Filer Mutual Tel	Fiber	20	Filer Mutual Telephone	Fiber	100
281	MOSCOW DISTRICT	2	Frontier/Verizon	Fiber	24	First Step Internet, LLC.	Fiber	100
393	WALLACE DISTRICT	1	Frontier/Verizon	Fiber	27	Frontier Communications Northwest, Inc.	Fiber	30
555	CANYON-OWYHEE SCHOOL SERVICE AGENCY (COSSA)	3	TechHut	Microwave	20	Frontier Communications Northwest, Inc.	Fiber	30
282	GENESEE JOINT DISTRICT	2	Frontier/Verizon	Fiber	36	Frontier Communications Northwest, Inc.	Fiber	40
391	KELLOGG JOINT DISTRICT	1	Frontier/Verizon	Fiber	18	Frontier Communications Northwest, Inc.	Fiber	300
493	NORTH STAR CHARTER DISTRICT	3	CenturyLink	Fiber	20	Involta	Fiber	40
433	MIDVALE DISTRICT	3	Syringa/Midvale Tel	Fiber	9	Midvale Telephone Company	Fiber	50
253	WEST JEFFERSON DISTRICT	6	Syringa/Mud Lake Telephone Coop	Fiber	50	Mud Lake Telephone Cooperative Assn., Inc.	Fiber	150
487	FORREST M. BIRD CHARTER DISTRICT	1	Frontier/Verizon	Copper	30	Northland Cable Properties, Inc.	Fiber	100
331	MINIDOKA COUNTY JOINT DISTRICT	4	Syringa/PMT	Fiber	50	Project Mutual Telephone Coop Assn, Inc.	Fiber	100
192	GLENNS FERRY JOINT DISTRICT	4	CenturyLink	Copper	6	Rural Telephone Company	Fiber	50
461	TAYLORS CROSSING CHARTER SCHOOL	6	CenturyLink	Fiber	30	Silver Star Telephone Co., Inc.	Fiber	50
150	SODA SPRINGS JOINT DISTRICT	5	CenturyLink	Fiber	15	Silver Star Telephone Co., Inc.	Fiber	100
321	MADISON DISTRICT	6	CenturyLink	Fiber	50	Silver Star Telephone Co., Inc.	Fiber	1000
93	BONNEVILLE JOINT DISTRICT	6	CenturyLink	Fiber	200	Silver Star Telephone Co., Inc.	Fiber	1000
490-Pocatello	IDEA Pocatello IDAHO DISTANCE EDUCATION ACADEMY DISTRICT	5	CenturyLink	Fiber	10	Syringa Networks, LLC.	Fiber	20
233	HAGERMAN JOINT DISTRICT	4	CenturyLink	Fiber	36	Syringa Networks, LLC.	Fiber	40
463	VISION CHARTER SCHOOL	3	CenturyLink	Fiber	40	Syringa Networks, LLC.	Fiber	60
412	BUHL JOINT DISTRICT	4	CenturyLink	Fiber	12	Syringa Networks, LLC.	Fiber	100
61	BLAINE COUNTY DISTRICT	4	CenturyLink	Fiber	100	Syringa Networks, LLC.	Fiber	500
131	NAMPA SCHOOL DISTRICT	3	CenturyLink	Fiber	300	Syringa Networks, LLC.	Fiber	1000
44	PLUMMER-WORLEY JOINT DISTRICT	1	Frontier/Verizon	Copper	18	Time Warner Cable Information Services (Idaho), LLC	Fiber	100
342	CULDESAC JOINT DISTRICT	2	CenturyLink	Fiber	12	XO Communication Services LLC	Fiber	44
2	West Ada JOINT SCHOOL DISTRICT NO. 2	3	CenturyLink	Fiber	500	Zayo Group, LLC	Fiber	700
171	OROFINO JOINT DISTRICT	2	Frontier/Verizon	Fiber	45	Frontier Communications Northwest, Inc. & First Step Internet, LLC.	Fiber/Microwave	50/50
193	MOUNTAIN HOME DISTRICT	3	CenturyLink	Fiber	300	Tek-Hut, Inc	Fiber/Microwave	350
251	JEFFERSON COUNTY JT DISTRICT	6	CenturyLink	Fiber	84	Digis LLC	Microwave	500
136	MELBA JOINT DISTRICT	3	CenturyLink	Fiber	42	Ednetics, Inc.	Microwave	100
101	BOUNDARY COUNTY DISTRICT	1	Frontier/Verizon	Fiber	66	Electric Lightwave LLC (Integra)	Microwave	100
305	HIGHLAND JOINT DISTRICT	2	CenturyLink	Fiber	18	First Step Internet, LLC.	Microwave	50
304	KAMIAH JOINT DISTRICT	2	CenturyLink	Fiber	24	First Step Internet, LLC.	Microwave	50
283	KENDRICK JOINT DISTRICT	2	Potlatch Telephone	Copper	6	First Step Internet, LLC.	Microwave	50
244	MOUNTAIN VIEW SCHOOL DISTRICT	2	CenturyLink	Fiber	27	First Step Internet, LLC.	Microwave	50
302	NEZPERCE JOINT DISTRICT	2	CenturyLink	Fiber	15	First Step Internet, LLC.	Microwave	50
287	TROY SCHOOL DISTRICT	2	Potlatch Telephone	Copper	15	First Step Internet, LLC.	Microwave	50
288	WHITEPINE JT SCHOOL DISTRICT	2	Frontier/Verizon	Copper	7.5	First Step Internet, LLC.	Microwave	50
242	COTTONWOOD JOINT DISTRICT	2	CenturyLink	Fiber	36	First Step Internet, LLC.	Microwave	100
41	ST MARIES JOINT DISTRICT	1	First Step Lewiston	Microwave	18	J&R Electronics, Inc.	Microwave	40
274	KOOTENAI DISTRICT	1	Frontier/Verizon	Copper	6	J&R Electronics, Inc.	Microwave	80
341	LAPWAI DISTRICT	2	CenturyLink	Copper	9	Nez Perce Tribe	Microwave	75
340	LEWISTON INDEPENDENT DISTRICT	2	CenturyLink	Fiber	45	StarTouch Inc.	Microwave	200
490-Boise	IDEA Boise IDAHO DISTANCE EDUCATION ACADEMY DISTRICT	3	CenturyLink	Fiber	30	Tek-Hut, Inc	Microwave	30
465	NORTH VALLEY ACADEMY	4	CenturyLink	Copper	20	Tek-Hut, Inc	Microwave	40
314	DIETRICH DISTRICT	4	CenturyLink	Copper	9	Tek-Hut, Inc	Microwave	50
316	RICHFIELD DISTRICT	4	CenturyLink	Copper	7.5	Tek-Hut, Inc	Microwave	50
234	BLISS JOINT DISTRICT	4	CenturyLink	Fiber	21	Tek-Hut, Inc	Microwave	50
415	HANSEN DISTRICT	4	CenturyLink	Fiber	30	Tek-Hut, Inc	Microwave	50
453	RICHARD MCKENNA CHARTER HIGH SCHOOL	3	CenturyLink	Fiber	50	Tek-Hut, Inc	Microwave	50
458	LIBERTY CHARTER	3	CenturyLink	Fiber	20	Tek-Hut, Inc	Microwave	60

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Dist. #	District Name	Reg	Local Loop Provider	Media	BW	Local Loop Provider	Media	BW
451	VICTORY CHARTER SCHOOL	3	CenturyLink	Fiber	20	Tek-Hut, Inc	Microwave	60
121	CAMAS COUNTY DISTRICT	4	Syringa	Fiber	10	Tek-Hut, Inc	Microwave	75
232	WENDELL DISTRICT	4	CenturyLink	Fiber	50	Tek-Hut, Inc	Microwave	75
372	NEW PLYMOUTH DISTRICT	3	CenturyLink	Fiber	30	Tek-Hut, Inc	Microwave	100
221	EMMETT INDEPENDENT DIST	3	CenturyLink	Fiber	100	Tek-Hut, Inc	Microwave	100
414	KIMBERLY DISTRICT	4	CenturyLink	Fiber	18	Tek-Hut, Inc	Microwave	100
363	MARSING JOINT DISTRICT	3	TecHut	Microwave	60	Tek-Hut, Inc	Microwave	100
768	MERIDIAN TECHNICAL CHARTER DISTRICT	3	CenturyLink	Fiber	60	Tek-Hut, Inc	Microwave	100
418	MURTAUGH JOINT DISTRICT	4	CenturyLink	Copper	3	Tek-Hut, Inc	Microwave	100
137	PARMA DISTRICT	3	TecHut	Microwave	40	Tek-Hut, Inc	Microwave	100
312	SHOSHONE JOINT DISTRICT	4	CenturyLink	Fiber	45	Tek-Hut, Inc	Microwave	100
151	CASSIA COUNTY JOINT DISTRICT	4	CenturyLink	Fiber	200	Tek-Hut, Inc	Microwave	250
261	JEROME JOINT DISTRICT	4	CenturyLink	Fiber	100	Tek-Hut, Inc	Microwave	300
3	KUNA JOINT DISTRICT	3	CenturyLink	Fiber	200	Tek-Hut, Inc	Microwave	300
1	BOISE INDEPENDENT DISTRICT	3	CenturyLink	Fiber	300	Tek-Hut, Inc	Microwave	1500
71	GARDEN VALLEY DISTRICT	3	Syringa/Cable One	Copper	20	Wilderness Wireless	Microwave	100
392	MULLAN DISTRICT	1	Frontier/Verizon	Copper	18	Ednetics, Inc.	Wireless	40

Fiber	107
Microwave	5
Copper	19
	131

Fiber	82
Fiber/Microwave	2
Microwave	39
Copper	4
Coax/Cable	3
Wireless	1
	131

Source: State Department of Education, 11-3-2015

NOTE: HSBP data obtained from Form 471 and contract data. Likely very accurate but some possibility of incorrect media type represented in the form.