

BROADBAND IN IDAHO PUBLIC LIBRARIES

2015 Interim Broadband Access Study Committee

6 October 2015

**Ann Joslin, State Librarian
Idaho Commission for Libraries**



MISSION

To help build the capacity of Idaho libraries to better serve their clientele.

Idaho Code title 33, chapter 25



3 GOLDEN NUGGETS

- **Broadband in public libraries is a critical resource for education, economic development and sustainability in most of our communities.**

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- **Public libraries need more broadband to meet current and projected demand – more adequate, scalable, reliable, and affordable broadband.**

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- **Public libraries need more broadband.**
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GOLDEN NUGGET # 1

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FY14 IDAHO STATISTICS

103 public library jurisdictions

- **144 buildings**
- **11 bookmobiles**

State averages:

- **51 hours / week including evenings & weekends**
- **Average 7.4 FTE, but the median is 2.3 FTE**
- **89% of operating revenue is local property taxes**

INFORMATION IN THE 21ST CENTURY



MORE FY14 IDAHO STATISTICS

8,730,670 visits, not including virtual visits

1,792 public Internet terminals

1,873,946 Internet uses, not including wifi use with patron-owned devices

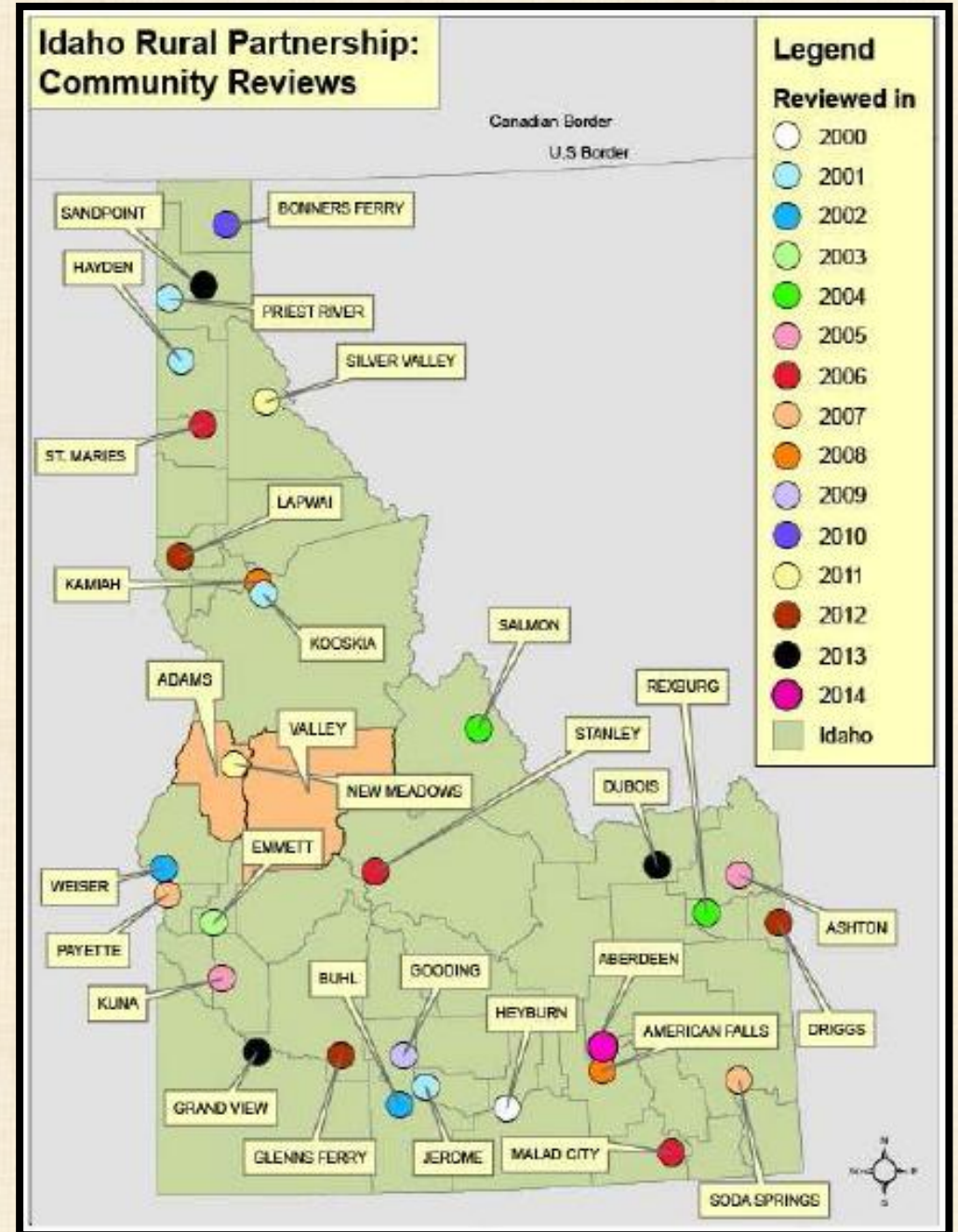
70% are only source of free Internet in their community

MORE FY14 IDAHO STATISTICS

- 100.0% Online databases: car repair to homework help**
- 100.0% Education opportunities for all ages**
- 100.0% Help with completing online gov't forms**
- 98.1% Digital literacy training & technology help**
- 96.2% Online business & workforce dev resources**
- 96.0% Online job & employment resources**



To help communities bolster their action plans to locally execute & complete community development strategies.





Community Review Values



Meta-Question	Average Score
10. Community parks and playgrounds	3.57
9. Access to hospitals	3.57
8. Sewage collection and disposal	3.60
7. Availability of emergency health care/EMS	3.61
6. Friendliness / neighborliness of residents	3.77
5. Involvement of churches in community	3.81
4. Garbage collection and disposal	3.82
3. Number / quality of banks and financial institutions	3.85
2. Quality of Library	3.99
1. Fire protection	4.01

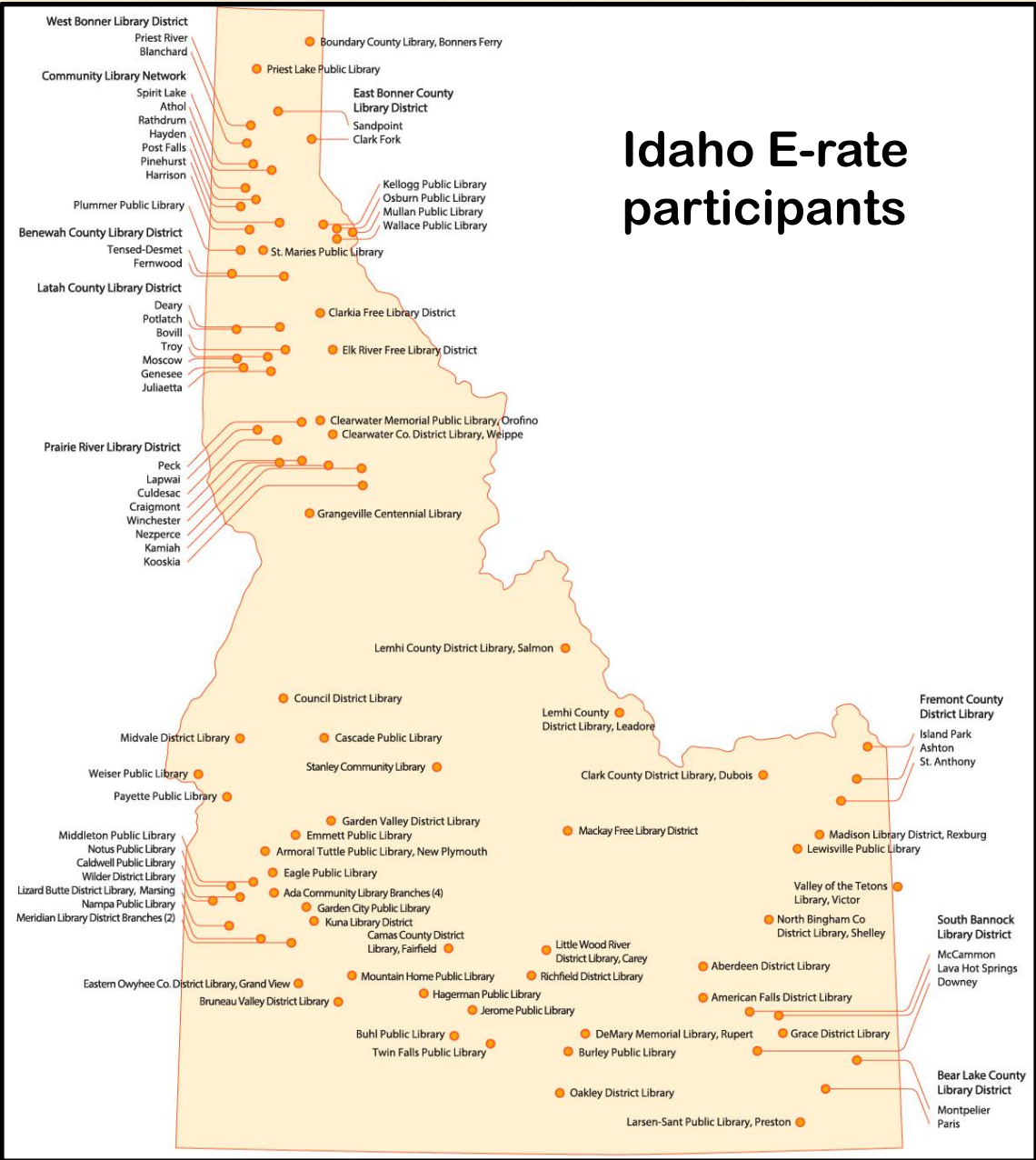
GOLDEN NUGGET # 2

Public libraries need more broadband to meet current and projected demand - more adequate, scalable, reliable, and affordable broadband.

IDAHO CODE 67-5745E

- (4) The IPRAC shall follow an implementation plan that:**
- (c) In subsequent phases, will evaluate and make recommendations to the legislature for:**
 - (i) Connectivity to each elementary and middle school;**
 - (ii) The addition of libraries to the IEN; and**
 - (iii) The migration of state agency locations from current technology and services.**

Idaho E-rate participants



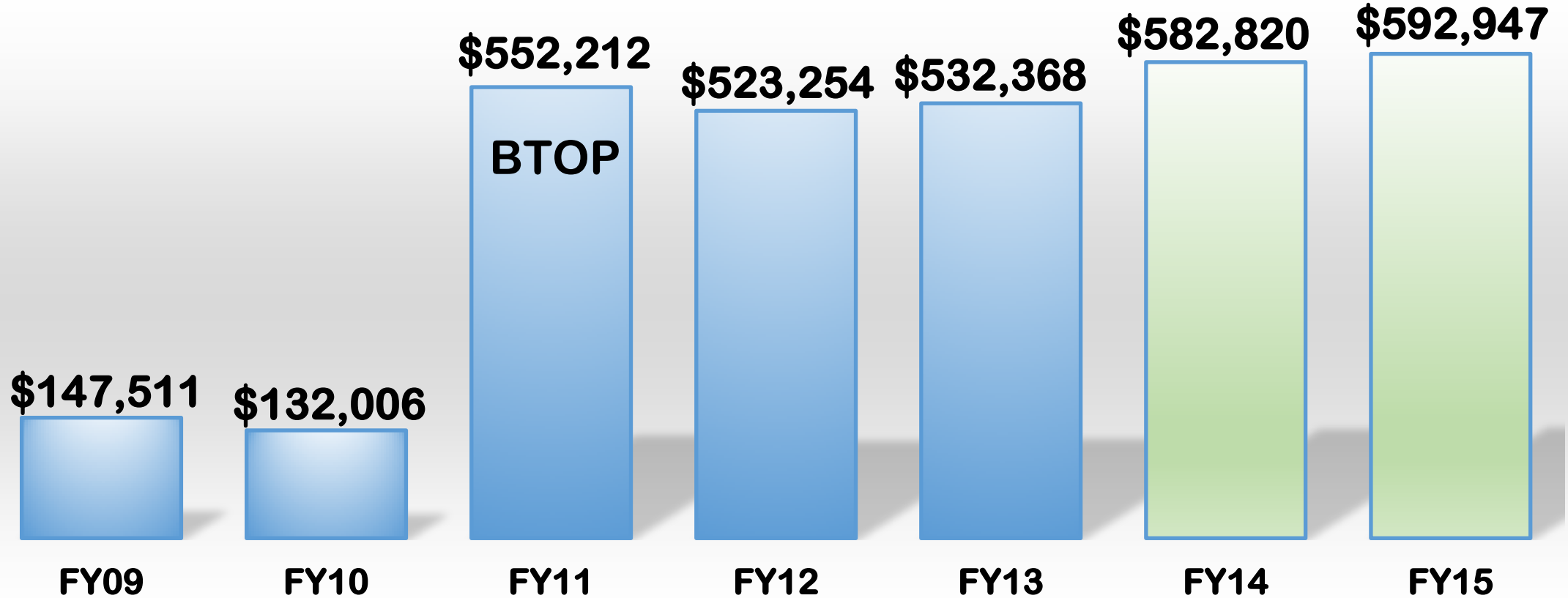
PUBLIC LIBRARY E-RATE

Discounts range from 50 – 90% for telecommunications services and Internet access

PUBLIC LIBRARY E-RATE FY09-15

DISBURSEMENTS

REQUESTS



FY2015 E-RATE

- **69 jurisdictions requested \$593,000 for 110 outlets including 5 bookmobiles**
- **\$849,034 for all services (estimate)**
 - * **Internet**
 - * **Phone**
 - * **VOIP**
 - * **Cell**
 - * **Internal connections (Category 2)**

2014 BROADBAND ACCESS SURVEY

Types of connections

90 outlets

	# of outlets	%
Wireless & microwave	26	29%
Fiber	25	28%
DSL	17	19%
Cable	17	19%
Satellite	2	2%
Ethernet over copper & bonded T-1	3	3%

2014 BROADBAND ACCESS SURVEY

Speed tests
86 outlets

Median	9.17 Mbps
Lowest	.89 Mbps
Highest	60.00 Mbps

Mbps	Outlets	%
< 10	45	52.3%
10 – 49	35	40.7%
50 +	6	7.0%

2014 BROADBAND ACCESS SURVEY

Annual cost before E-rate
89 outlets

Median	\$1,500
Lowest	\$40
Highest	\$44,400

Cost / Mbps / month
86 outlets

Median	\$16.43
Lowest	\$0.22
Highest	\$1,210.07

2014 BROADBAND ACCESS SURVEY

Bandwidth / library-owned device 86 outlets

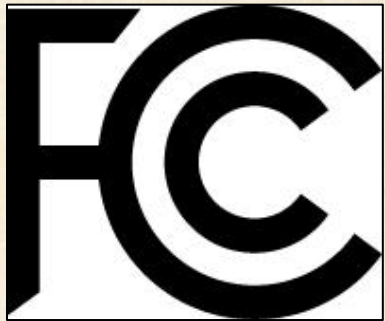
Median	.51 Mbps
Lowest	.06 Mbps
Highest	13.09 Mbps

Mbps	Outlets	%
< 0.50	42	48.8%
0.50 – 1.0	21	24.4%
> 1.0	23	26.7%

FCC TARGETS FOR LIBRARIES

100 Mbps for < 50,000 population

1 Gbps for 50,000+ population



**Fall 2014: 1 Idaho public library
reported 100 Mbps to the door.**

GOLDEN NUGGET # 3

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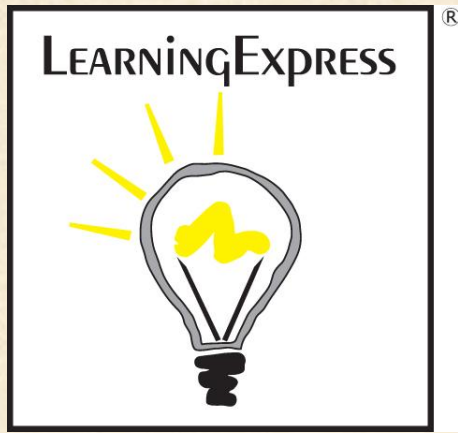
PUBLIC LIBRARY TECHNOLOGY

“ . . . Public libraries are go-to resources for digital access and trusted guides in the increasingly complex digital world.”

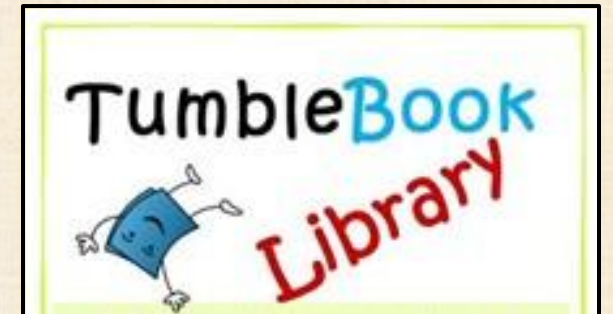
“ . . . No other institution rivals the significance of public libraries as technology gateways providing a wide range of resources that meet personal and professional needs, support local economies, and build stronger communities.”

- - ICMA.ORG/PM

PUBLIC LIBRARY TRENDS

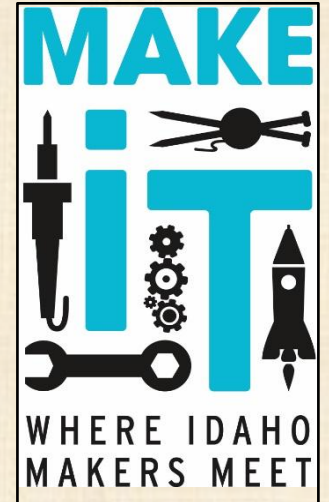


**MICROSOFT
IT ACADEMY**



PUBLIC LIBRARY TRENDS

- More MakeIT initiatives, robotics, 3-D design
- Explosion of patron-owned devices
 - Libraries move to VOIP
 - More online classes
- New streaming music & video services
 - More YouTube DIY / self-help videos



PUBLIC LIBRARY CHALLENGES

- **Lack of dedicated IT staff for BB planning, management**
- **Lack of provider competition**
- **Peak usage periods**
- **Contracted speed v. actual speed**
- **Lack of high capacity BB to the building & within the building**

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