



October 9, 2020

Jean D. Jewell  
Commission Secretary  
Idaho Public Utilities Commission  
P.O. Box 83720  
Boise, Idaho 83720-0074

**QWE-T-20-06**

Dear Ms. Jewell,

Pursuant to Commission Order No. 28784, GNR-T-01-10 please find enclosed Qwest Corporation's application for the Idaho Broadband Tax Credit for the year 2019. This application is being submitted for Commission determination that the broadband equipment installed for 2019 meets the definition of qualified broadband equipment as found in Idaho code 63-3029I.

**1. Name address of the applicant:**

Qwest Corporation  
100 CenturyLink Drive  
Monroe, LA 71203

**Contact Person:**

Amanda Brown, Director – Tax Accounting  
Phone: 318-330-6327

Qwest Corporation is a Telecommunications Carrier

**2. Identify the area or location where the equipment is installed in Idaho.**

Please refer to Exhibit 1 for equipment installed in the year 2019. See Exhibit 2 for retirements.

Broadband investment and retirements for 2019 are as follows:

YEAR	INVESTMENT	RETIREMENTS	NET INVESTMENT
2019	\$47,886,668	(\$1,190,427)	\$46,696,241

**3. Type of Broadband service offered to the public in Idaho.**

Qwest Corporation uses terrestrial wireline technology. Various forms of DSL-based equipment are used (ADSL & VDSL in various vintages). Transport is a mix of fiber optic and metallic cable, which typically is also supporting traditional telephony services. Equipment terminals are located in Central Office buildings, remote buildings and in cabinets on concrete pads each serving a neighborhood.

**4. Network Transmission rate:**

The transmission rate of DSL- based broadband services ranges from 256kbs to 40 mbps, to and from a subscriber. Please refer to Exhibit 3.



**5. Provide a specific list of equipment types that the application is requesting the Commission to determine is “qualified broadband equipment” as defined in Idaho Code Section 63-3029I.**  
Please refer to Exhibit 1 for the year 2019.

**6. Installation dates:**  
Please refer to Exhibit 1 for the year 2019.

**7. Written description of our Broadband Network including a description of how the installed equipment is an “integral part” of the broadband network:**  
Services are supported by our telecommunications network which consists of voice and data switches (circuit and packet), copper and fiber optic cables and transmission equipment. At central office building and at remote sites, multiplexers and advanced digital switches are controlled by licensed software. Fiber-optic cable is the primary transport media between nodes including interconnection points with other carriers. We continue to enhance and expand our network as broadband enabled technology improves and as customers, new and existing, demand significant additional capacity.

**8. Percentage and number of potential subscribers:**  
Total customers with the potential to be high-speed internet subscribers in Idaho is 222,652 of 229,627 potential subscribers, or 97%. Please refer to Exhibit 4.

**9. Certified statement from applicant:**  
Please See Exhibit 5.

If you have any questions concerning this filing, please contact me at (318) 330-6327.

Sincerely,

A handwritten signature in black ink, appearing to read "A Brown".

Amanda Brown

Director – Tax Accounting

Encl

# **EXHIBIT 1**

## **Equipment Installed In Idaho**

**2019**

Year 2019  
 COMP\_ID T600

Sum of SumOfYTD_TOT_ACT IR_DESCRIPTION	INITIATIVE_DESCRIPTION	EXCHANGE_DESCRIPTION AMERICAN FALLS	BLACKFOOT	BLISS	BOISE	BUHL	BURLEY
ACCESS - CAPACITY	CONSTANTS				8,538,275		
	COPPER			9,586		25,125	(10)
	ENGINEERING			1,674		316,887	920
	FIBER OPTIC					323,604	
	NEW FEATURES					153	
	TRANSMISSION/DLC					4,023	
ACCESS - MAINTAIN	COPPER	1,126		279		60,936	4,238
	ENGINEERING	2,302		4,953	312	140,899	1,154
	FIBER OPTIC	1,065				38,172	1,891
	OUTSIDE PLANT	3,952		4,705		19,231	2,534
	POLE REMEDIATION	1,532		1,496	2,617	80	1,288
	SWITCHING						
	TRANSMISSION/DLC			3,088		31,952	4,349
BROADBAND MKT ENABLEMENT	COPPER					30	
	ENGINEERING	1,388				90,836	
	FIBER OPTIC					2,580,415	
	NEW FEATURES					(94,414)	
	TRANSMISSION/DLC					2,214	
DSL EXISTING MKT EXPANSION	COPPER				13,859	25,419	
	ENGINEERING				3,255	107,892	
	FIBER OPTIC				242	281,896	
	NEW FEATURES					1,368	
	OUTSIDE PLANT						
	TRANSMISSION/DLC				8,789	80,086	
DSL GROWTH	CONSTANTS					66,729	
	COPPER					61,442	
	ENGINEERING			3,574		586,041	2,287
	FIBER OPTIC					47,190	
	NEW FEATURES					122,715	
	TRANSMISSION/DLC			5,422		1,426,252	4,746
EXPENSE	COPPER					(10,598)	
	ENGINEERING					(309)	
	OUTSIDE PLANT						
	POLE REMEDIATION						
	TRANSMISSION/DLC						
HSI BANDWIDTH AUGMENTATION	COPPER					98	
	ENGINEERING						
	TRANSMISSION/DLC					762,969	
IP-ETHERNET CORE	CONSTANTS					17,947	5,277
	ENGINEERING			12,436		87,306	17,303
	TRANSMISSION/DLC			15,316			
MARKETABLE REVENUE - FTTT	COPPER					143,362	1,297
	ENGINEERING	852		1,236		67,761	
	FIBER OPTIC					840,876	100
	TRANSMISSION/DLC	1,893		1,891		4,164	
NATIONAL MARKETABLE REVENUE - FEDERAL	ENGINEERING					10,958	
	FIBER OPTIC					1,934	
	TRANSMISSION/DLC					-	
NATL MARKET REV - BUSINESS	COPPER	1,972				714,670	11,041
	ENGINEERING	3,503		25,903		927,199	123,840
	FIBER OPTIC			104,681		12,322	
	OUTSIDE PLANT					372,270	939
	TRANSMISSION/DLC			4,275		1,584	
NATL MARKET REV - WHOLESALE	COPPER					528,426	16,823
	ENGINEERING	2,093		7,154		624,827	63,882
	FIBER OPTIC	17,837				223,476	77,274
	TRANSMISSION/DLC	70,862		6,808		17,007	
NETWORK RELIABILITY	ENGINEERING	3,066			31	237,951	
	SWITCHING	49,610			74	4,756	
	TRANSMISSION/DLC					41,877	
NETWORK STABILITY	ENGINEERING					4,585	
	NEW FEATURES					9,507	
	SWITCHING					390,482	
	TRANSMISSION/DLC					93,103	
NETWORK TRANSPORT	CONSTANTS					2,571	144
	ENGINEERING	179				100	175
	TRANSMISSION/DLC					2,860	
NEW RES DEVELOPMENTS	CONSTANTS					281,709	
	COPPER					779,872	
	ENGINEERING	5,269				9,072	
	FIBER OPTIC						
	NEW FEATURES						
	TRANSMISSION/DLC						
REAL ESTATE	ENGINEERING					111,286	
	LAND/BUILDING					1,298,118	1,651
ROADMOVES(CABLE AND DLC'S)	COPPER			41,349	535	191,058	1,501
	ENGINEERING			5,354	9,067	140,822	(72,250)
	FIBER OPTIC						
	OUTSIDE PLANT				13,959	63,262	14,326
	TRANSMISSION/DLC			1,366		8,215	
MARKETABLE REVENUE	ENGINEERING					34,324	
	TRANSMISSION/DLC						
Grand Total		168,499	262,547	52,739	23,939,227	10,930	399,868

CALDWELL	COTTONWOOD	CRAIGMONT	DOWNEY	EDEN-HAZELTON	EMMETT	FIRTH	GLENN'S FERRY	GOODING
	147,720							
9,033					7,766	36		
40,961								
71,432								
19,115	776	8,019			4,905		2,383	326
9,711	904	11,704			2,295	139	846	1,471
78								
714					8,583			2,964
11,016	966	915	8		19,321	199	300	220
4,202						551		
375,771						748		
(44,322)								
						113	395	5,331
578								
14,885						458		
125,616					1,443	22,708		
17,912								
27,330								
221,717					3,399	34,799		
(1,333)								
3,171								
(10)								
	26,477							
7,756	6,847					1,758		7,595
14,573								61,399
6,376	9,308	411				2,163		2,837
13,480							6,088	
91,318	2,579	(1,590)				13,830	4,284	8,243
88,674						17,190		24,990
6,279					29,639	999	3,302	949
	33,738					3,198		
50,876	5,043					14,009	379	4,654
91,589						24,254		7,884
35,757	18,133					484		466
35		23,100						1,388
			26,879					11,676
2,039								
	3,839							
475								
104,500								
350,116								
39							39	2,007
5,591								
104,860							4,808	638
13,409		1,384						19,768
22,189								
14,000		289						
9,291		1,914						
1,940,799	256,330	73,025	8	69,585	145,363	36	22,825	164,806



LEWISTON SHERWOOD	LEWISVILLE-MENA	MCCAMMON	MELBA	MERIDIAN	MIDDLETON	MONTPELIER	MOUNTAIN HOME
					494		1,504
3,079				81	144,501		499
					121,251		
				48	450		8,057
103,192				494	11,207		8,474
17,945				3,963	5,609		3,427
1,682				10,461		2,026	17,426
668		5,598		1,688		403	15,211
3,029		5,366	14				1,474
					(3,551)		
964					(147,993)		
				8,346			3,370
				76,307			878
245				196,937			28,622
				132			
				4,176			
				29,053			4,149
					779		4,319
1,873					19,270	3,072	42,023
32,407		460			227,736	22,574	2,970
173					39,558	597	132,342
95					53,048		68,330
86,757					329,785	45,575	
					2,858		
					416		
73							
391			155				
538							
				2,328	9,690	1,079	
				12,629	24,231		
			42	9,604	6,306	288	42
7,977							6,813
							24,195
				41,549	1,830	1,511	
20,646							3,503
5,007							14,223
24,877							484
1,015					(5,678)		
7,028					182,488	1,657	22,633
58,768					247,823		80,605
108,620							
					14,055	13,013	2,902
7,028					2,781		
					103,298	1,467	21,024
40,516					106,493		6,728
10,230					15,300		1,433
15,163							
2,125				2,387	2,047		
15,926					4,292		
19,064					(260)		
71,499							
13,449							
84,083					1,593		
					371,621	38,034	10,721
7,233					1,229,810	113,358	10,279
23,786							
					159,261		
39					33,628		6,812
					75,148	117,651	
10,533				8,916	103,174	4,240	189
14,133				437	97,724	11,298	
17							
					7,300		
					9,309		
					3,608,683	377,844	38,692
821,875		11,423	210	409,536			540,411

NAMPA	NEW PLYMOUTH	NEZ PERCE	PAYETTE	POCATELLO	PRESTON	REXBURG	RIGBY	RIRIE	ROBERTS	SHELLY
4,032				2,283						
67,570				2,900						
156,128										
895								26,150		
18,010			19,585	132				6,419		800
9,713			2,918	11,815	334		2,879			
				8,483			4,765			
6,906			1	14,244	20,295			4,025		871
			1,309	4,128	32,328			2,484		
				1,789						4,891
(1,844)										
19,760				580,139		2,558				
259,793				554,663						
48,889				562		3,641				
(11,145)				95,570						
				50						
32,183				2,481						
226,222	5,721	2,741		45,520		3,973		5,868		
14,574				2,512						
53,046		5,120		20,525						
380,032	10,593			90,151		979		13,752		
116							(225)			
(3,009)										
(7,708)										
6,739				3,231		4,256		5,657		
649				3,042		10,523		17,500		
			10							
21,814	42	6,637		156	42			9,791	42	
2,488		17,569						26,254		
42,355		1,916						2,090		
				7,326						
				13,215						
				903						
2,332				9,133		1,208				
144,189	6,659		317	52,001	349	13,175		10,808		4,191
162,220	5,966		485	133,362		7,409		19,087		9,401
9,619	470		629	335,200		466		1,450		459
				6,066						
149,418	167	6,591		54,889		13,056		298		
211,846		23,485		69,124		17,299				
9,112				16,816		937				
2,295				26,567				1,063		
57,364				328,952				28,196		
							1,476			
							4,532			
		1,868		151				207		176
		4,397								
230,270				17,772		2,410		24,867		
865,602				112,793		14,131		30,442		
								40,030		
5,859				54,854		1,216				
79,633				13,731						
34,857	105			2,443				2,700		
6,036		12,629								
6,165		64,120								
3,325,025	29,725	120,952	51,376	2,699,675	53,347	110,665	272,628	6,510	42	20,787



SHOSHONE-DIETRICH	SODA SPRINGS	STAR	TWIN FALLS	WEISER	WENDELL	DAYTON	GRACE	KIMBERLY	MURTAUGH
				11,059					
				8,766	1,572				
				8,113					
					2,584				
22,678		3,828	768		3,653	1,948			
5,416	2,495	6,498	1,142		3,067	1,945		312	79
	5,576	12,141			53				
			2,340			560		11,621	47
						245		28,571	1,271
		3,388			543				
		80	650						
	15,448								
	80,500			162,954					
	331,070			67,645					
	1,849			203					
	68,687			51,509					
			19,866						
		24,625	35,495				2,946	996	
		5,729	3,026						
			15,710						
		31,503	94,504				4,475	3,845	
				(4,827)					
				(2,895)					
		650	4,926					3,006	
		2,242	6,800					29,558	
			5,433					2,592	
			3,020						
			5,495						
			465						
			11,404	3,783					
	2,677	6,788	42,177	1,649	4,256				
		2,855	155,295		17,819				
		3,407	9,279		526				
			1,622						
	10,984		53,456	16				1,820	
	39,457		94,279					7,419	
	503		73,721					431	
		10,467	302			43	1,355		379
			2,684			136	24,726		
		6,374							
			3,951						
				1,204					
				8,229					
		81,524	35,352						
		295,019	173,556						
				3,905		12,255			
				457					
	1,421		767	4,686					
			2,484	170					
28,094	560,666	497,118	893,979	296,771	42,350	30,779	7,421	90,172	1,775

FRANKLIN	Grand Total
	8,685,995
	65,388
	611,808
	716,720
	153
	8,441
	430,298
	340,585
	109,013
280	220,124
208	187,251
	2,607
	56,418
	(1,814)
	1,179,685
	4,238,242
	(232,369)
	86,640
	135,479
	671,616
	1,271,595
	3,552
	4,176
	341,647
	70,454
	195,862
	1,636,340
	168,917
	481,518
	3,281,505
	(7,740)
	(4,022)
	3,171
	119
	(10)
	(4,329)
	(7,511)
	(7,050)
	789,446
	71,292
	215,406
	10
	295,441
	271,239
	1,014,195
	23,020
	68,768
	4,802
	50,751
	1,685,484
	2,541,637
	12,322
	887,912
	51,483
	1,233,546
	1,638,860
	602,954
	105,828
	792,971
	61,971
	83,160
	9,117
	9,507
	537,542
	96,941
	25,671
	100,969
	4,453
	(2,283)
	1,323,974
	4,537,551
	40,030
	168,334
	13,626
	373,926
	2,099,768
	542,679
	255,199
	13,959
	117,013
	48,469
	127,250
488	47,886,668

## **EXHIBIT 2**

### **Equipment Retirements**

**2019**

AsofDate	12/31/2019
city	(All)
state	(All)
CoCode	T600
PostDate	(All)
RptArea	(All)

Sum of PSC_AMT	Account		Description
	20122322	20123625	
EXCH_NAME	Dig Circuit Equip	Analog Network Term Equip	
BOISE	432,926	2,585	
GOODING	1,536		
HAILEY	973		
IDAHO FALLS	27,049	1,920	
BLACKFOOT	3,504	28	
CALDWELL	32,796		
CRAIGMONT	3,545		
COTTONWOOD	1,724		
LAVA HOT SPRINGS			
LAPWAI	2,357		
LEWISTON SHERWOOD	18,893		
GRACE	2,019		
GRANGEVILLE	2,045		
NAMPA	11,089		
POCATELLO	27,399	214	
AMERICAN FALLS	281		
BURLEY	4,036		
SODA SPRINGS	9,128		
CASTLEFORD	487		
TWIN FALLS	20,703	618	
KOOSKIA	0		
NEZ PERCE	2,027		
MERIDIAN	15,213		
KAMIAH	927		
MELBA			
MOUNTAIN HOME	1,976		
WENDELL	429		
JEROME	1,473		
EDEN-HAZELTON			
BUHL			
KETCHUM			
KUNA			
<b>Grand Total</b>	<b>624,535</b>	<b>5,366</b>	

	20122120	20122323	20122126
<b>Digital Elect Switch</b>		<b>Optical Circuit Equi</b>	<b>Packet Switching</b>
	13,623	20,544	4,255
	1,530	18,451	181
	169		
	0		
	195	1,352	
	170		
	1,679		
	2,461	532	136
		3,086	
	30,917	7,853	
	489	15,561	63
	6,627		
	813	13,319	
	91		
	56,729		66
	1,992		208
	0		
	<b>117,485</b>	<b>80,697</b>	<b>4,910</b>

20122321	20123624	20123622
Analog Circuit Equip	Other Term Equip - Cust Prem	Other Non-PBX Equip (E911)
0	68	0
1		0
	0	
0		
	0	
0	2	
0		
607		
607	70	0

20122310	20126820	20122312
Radio System Facilities	Leasehold Improve	Microwave Systems
0		
	203,529	
		1,733
0	203,529	1,733

	20124110	20124232	20124410
<b>Poles</b>		<b>Buried Cable-Non-Met</b>	<b>Underground Conduit</b>
	4,346		8,457
		3,665	
	5,238		
	5,089		
	923		
	74		
		2,453	7,808
	843		
	220		
			5,563
	<b>16,733</b>	<b>6,118</b>	<b>21,828</b>



20124231	20124222	20124221	Grand Total
Buried Cable-Met	Undergrnd Ca Non-Met	Undergrnd Cable-Met	
5,722	15,030	77,370	584,926
			1,536
			973
			256,326
			3,533
			38,203
			3,545
			3,271
			170
			4,036
			22,021
			2,019
			5,131
7,732			57,591
			48,815
			6,908
			4,959
			9,128
			487
			37,188
			0
			2,117
			72,008
			3,127
			607
			1,976
			503
			11,734
			843
			220
			0
961			6,525
<b>14,416</b>	<b>15,030</b>	<b>77,370</b>	<b>1,190,427</b>

# **EXHIBIT 3**

## **Network Transmission Rates**

**2019**

QWEST CORPORATION  
 IDAHO BROADBAND CREDIT  
 NETWORK TRANSMISSION RATES  
 T600

ID LUs	1000 mbps	140 mbps	120 mbps	100 mbps	80 mbps	60 mbps	40 mbps	20mbps	12mbps	7mbps	5mbps	3mbps	1.5mbps	256kbps	Total ID
EOY 2013							146,819	96,678	113,591	79,072	28,647	37,452	64,205	1,980	621,638
EOY 2014							239,089	138,588	27,631	44,533	29,902	38,542	62,084	1,969	637,696
EOY 2015							249,652	141,960	29,652	42,066	29,983	38,306	58,098	1,793	645,237
EOY 2016							261,627	145,278	29,644	42,377	26,154	37,732	55,231	1,715	653,163
EOY 2017							297,897	141,044	26,970	53,319	10,386	33,912	45,412	1,154	610,094
EOY 2018	38,510	26,305	22,562	44,295	71,204	34,566	84,314	31,016	112,015	74,229	11,497	35,235	42,952	1,088	629,788
EOY 2019	53,378	28,530	0	69,604	72,254	35,811	89,350	44,179	56,918	69,892	21,783	58,108	43,053	2,547	645,407

**NOTE:** Where LU means Living Unit. A Living Unit is a street address where CenturyLink might send a bill and where wireline plant is not far away. Where mbps means megabits per second. These are download speeds. Upload speeds vary. These are availability counts, not subscribership counts.

# **EXHIBIT 4**

## **Idaho Broadband Subscribers**

**2019**

QWEST CORPORATION  
 IDAHO BROADBAND CREDIT  
 PERCENTAGE AND NUMBER OF POTENTIAL SUBSCRIBERS  
 T600

ID LUs	TOTAL LUs	TOTAL WKG LUs	WKG QUALIFIED LUs	TOTAL QUALIFIED LUs	% WKG QUALIFIED LUs
EOY 2013	621,638	240,797	224,842	568,444	93%
EOY 2014	637,696	238,228	224,238	583,905	94%
EOY 2015	645,237	238,867	226,513	591,510	95%
EOY 2016	653,163	240,247	229,186	599,758	95%
EOY 2017	661,135	237,093	227,317	610,094	96%
EOY 2018	679,754	233,838	225,562	629,788	96%
EOY 2019	695,181	229,627	222,652	645,407	97%

**NOTE:** Where LU means Living Unit. A Living Unit is a street address where CenturyLink might send a bill and where wireline plant is not far away. A working Living Unit is an address where CenturyLink now sends a bill for some type of service, not necessarily internet access service and not necessarily telephony service. A qualified LU is an address where DSL-based service could be provisioned in a short interval of time.

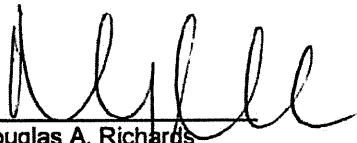
# **EXHIBIT 5**

## **Idaho Broadband Certification**

**2019**

**IDAHO BROADBAND CERTIFICATION  
EXHIBIT 5  
2019**

I hereby, certify that Representatives of Qwest Corporation (the applicant) have read the application statutes for the broadband investment income tax credit and the applicant believes that the subject broadband equipment qualifies for the tax credit under Idaho Code Section 63-3029I.



Douglas A. Richards  
SVP Global Tax