DISH Network CORP
Form 10-Q
May 03, 2019
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UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form 10-Q

(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

FOR THE QUARTERLY PERIOD ENDED MARCH 31, 2019.

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

FOR THE TRANSITION PERIOD FROM TO .

Commission File Number: 0-26176

DISH Network Corporation

(Exact name of registrant as specified in its charter)

Nevada (State or other jurisdiction of incorporation or organization)	88-0336997 (I.R.S. Employer Identification No.)
9601 South Meridian Boulevard Englewood, Colorado (Address of principal executive offices)	80112 (Zip code)

(303) 723-1000

(Registrant's telephone number, including area code)

Not Applicable

(Former name, former address and former fiscal year, if changed since last report)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Class A common stock, $0.01 par value	DISH	The Nasdaq Stock Market L.L.C.

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated

filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	Accelerated filer
Non-accelerated filer	Smaller reporting company
	Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

As of April 26, 2019, the registrant's outstanding common stock consisted of 230,732,103 shares of Class A common stock and 238,435,208 shares of Class B common stock.

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PART I — FINANCIAL INFORMATION

DISCLOSURE REGARDING FORWARD-LOOKING STATEMENTS

Unless otherwise required by the context, in this report, the words “DISH Network,” the “Company,” “we,” “our” and “us” refe to DISH Network Corporation and its subsidiaries, “EchoStar” refers to EchoStar Corporation and its subsidiaries, and “DISH DBS” refers to DISH DBS Corporation, a wholly-owned, indirect subsidiary of DISH Network, and its subsidiaries.

This Quarterly Report on Form 10-Q contains “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995, including, in particular, statements about our plans, objectives and strategies, growth opportunities in our industries and businesses, our expectations regarding future results, financial condition, liquidity and capital requirements, our estimates regarding the impact of regulatory developments and legal proceedings, and other trends and projections. Forward-looking statements are not historical facts and may be identified by words such as “future,” “anticipate,” “intend,” “plan,” “goal,” “seek,” “believe,” “estimate,” “expect,” “predict,” “will,” “would,” “could,” similar terms. These forward-looking statements are based on information available to us as of the date of this Quarterly Report on Form 10-Q and represent management’s current views and assumptions. Forward-looking statements are not guarantees of future performance, events or results and involve known and unknown risks, uncertainties and other factors, which may be beyond our control. Accordingly, actual performance, events or results could differ materially from those expressed or implied in the forward-looking statements due to a number of factors, including, but not limited to, the following:

Competition and Economic Risks

- As the pay-TV industry has matured and bundled offers combining video, broadband and/or wireless services have become more prevalent and competitive, we face intense and increasing competition from providers of video, broadband and/or wireless services, which may require us to further increase subscriber acquisition and retention spending or accept lower subscriber activations and higher subscriber churn.

- Changing consumer behavior and competition from digital media companies that provide or facilitate the delivery of video content via the Internet may reduce our subscriber activations and may cause our subscribers to purchase fewer services from us or to cancel our services altogether, resulting in less revenue to us.

- Economic weakness and uncertainty may adversely affect our ability to grow or maintain our business.

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Our competitors may be able to leverage their relationships with programmers to reduce their programming costs and/or offer exclusive content that will place them at a competitive advantage to us.

- Our over-the-top ("OTT") Sling TV Internet-based services face certain risks, including, among others, significant competition.

- If government regulations relating to the Internet change, we may need to alter the manner in which we conduct our Sling TV business, and/or incur greater operating expenses to comply with those regulations.

- Changes in how network operators handle and charge for access to data that travels across their networks could adversely impact our business.

- We face increasing competition from other distributors of unique programming services such as foreign language, sports programming and original content that may limit our ability to maintain subscribers that desire these unique programming services.

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Operational and Service Delivery Risks

- If our operational performance and customer satisfaction were to deteriorate, our subscriber activations and our subscriber churn rate may be negatively impacted, which could in turn adversely affect our revenue.

- If our subscriber activations continue to decrease, or if our subscriber churn rate, subscriber acquisition costs or retention costs increase, our financial performance will be adversely affected.

- Programming expenses are increasing and may adversely affect our future financial condition and results of operations.

- We depend on others to provide the programming that we offer to our subscribers and, if we fail to obtain or lose access to certain programming, our subscriber activations and our subscriber churn rate may be negatively impacted.

- We may not be able to obtain necessary retransmission consent agreements at acceptable rates, or at all, from local network stations.

- We may be required to make substantial additional investments to maintain competitive programming offerings.

- Any failure or inadequacy of our information technology infrastructure and communications systems or those of third parties that we use in our operations, including, without limitation, those caused by cyber-attacks or other malicious activities, could disrupt or harm our business.

- We currently depend on EchoStar to provide the vast majority of our satellite transponder capacity and other related services to us. Our business would be adversely affected if EchoStar ceases to provide these services to us and we are unable to obtain suitable replacement services from third parties.

- Technology in the pay-TV industry changes rapidly, and our success may depend in part on our timely introduction and implementation of, and effective investment in, new competitive products and services, and our failure to do so could cause our products and services to become obsolete and could negatively impact our business.

- We rely on a single vendor or a limited number of vendors to provide certain key products or services to us such as information technology support, billing systems and security access devices, and the inability of these key vendors to meet our needs could have a material adverse effect on our business.

- We rely on a few suppliers and in some cases a single supplier for many components of our new set-top boxes, and any reduction or interruption in supplies or significant increase in the price of supplies could have a negative impact

on our business.

- Our programming signals are subject to theft, and we are vulnerable to other forms of fraud that could require us to make significant expenditures to remedy.

- We depend on independent third parties to solicit orders for our DISH TV services that represent a meaningful percentage of our total gross new DISH TV subscriber activations.

- We have limited satellite capacity and failures or reduced capacity could adversely affect our DISH TV services.

- Our owned and leased satellites are subject to construction, launch, operational and environmental risks that could limit our ability to utilize these satellites.

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- We generally do not carry commercial launch or in-orbit insurance on any of the satellites that we use, other than certain satellites leased from third parties, and could face significant impairment charges if any of our owned satellites fail.

- We may have potential conflicts of interest with EchoStar due to our common ownership and management.

- We rely on key personnel and the loss of their services may negatively affect our business.

Acquisition and Capital Structure Risks

- We have made substantial investments to acquire certain wireless spectrum licenses and other related assets. In addition, we have made substantial non-controlling investments in the Northstar Entities and the SNR Entities related to AWS-3 wireless spectrum licenses.

- We face certain risks related to our non-controlling investments in the Northstar Entities and the SNR Entities, which may have a material adverse effect on our business, results of operations and financial condition.

- To the extent that we commercialize our wireless spectrum licenses, we will face certain risks entering and competing in the wireless services industry and operating a wireless services business.

- Our wireless spectrum licenses are subject to certain interim and final build-out requirements, as well as certain renewal requirements. The failure to meet such build-out and/or renewal requirements may have a material adverse effect on our business, results of operations and financial condition.

- We rely on highly skilled personnel for our wireless business, including without limitation our ability to meet build-out requirements, and if we are unable to hire and retain key personnel or hire qualified personnel then our wireless business may be adversely affected.

- We may pursue acquisitions and other strategic transactions to complement or expand our business that may not be successful, and we may lose up to the entire value of our investment in these acquisitions and transactions.

- We may need additional capital, which may not be available on acceptable terms or at all, to continue investing in our business and to finance acquisitions and other strategic transactions.

- We have substantial debt outstanding and may incur additional debt.

- The conditional conversion features of our 3 3/8% Convertible Notes due 2026 (the "Convertible Notes due 2026") and our 2 3/8% Convertible Notes due 2024 (the "Convertible Notes due 2024," and collectively with the Convertible Notes due 2026, the "Convertible Notes"), if triggered, may adversely affect our financial condition.

- The convertible note hedge and warrant transactions that we entered into in connection with the offering of the Convertible Notes due 2026 may affect the value of the Convertible Notes due 2026 and our Class A common stock.

- We are subject to counterparty risk with respect to the convertible note hedge transactions.

- From time to time a portion of our investment portfolio may be invested in securities that have limited liquidity and may not be immediately accessible to support our financing needs, including investments in public companies that are highly speculative and have experienced and continue to experience volatility.

- It may be difficult for a third party to acquire us, even if doing so may be beneficial to our shareholders, because of our ownership structure.

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- We are controlled by one principal stockholder who is also our Chairman.

Legal and Regulatory Risks

- The rulings in the Telemarketing litigation requiring us to pay up to an aggregate amount of $341 million and imposing certain injunctive relief against us, if upheld, would have a material adverse effect on our cash, cash equivalents and marketable investment securities balances and our business operations.

- Our business may be materially affected by the Tax Cuts and Jobs Act of 2017 (the "Tax Reform Act"). Negative or unexpected tax consequences could adversely affect our business, financial condition and results of operations.

- Our business depends on certain intellectual property rights and on not infringing the intellectual property rights of others.

- We are, and may become, party to various lawsuits which, if adversely decided, could have a significant adverse impact on our business, particularly lawsuits regarding intellectual property.

- Our ability to distribute video content via the Internet, including our Sling TV services, involves regulatory risk.

- Changes in the Cable Act of 1992 ("Cable Act"), and/or the rules of the Federal Communications Commission ("FCC") that implement the Cable Act, may limit our ability to access programming from cable-affiliated programmers at nondiscriminatory rates.

- The injunction against our retransmission of distant networks, which is currently waived, may be reinstated.

- We are subject to significant regulatory oversight, and changes in applicable regulatory requirements, including any adoption or modification of laws or regulations relating to the Internet, could adversely affect our business.

- Our DISH TV services depend on FCC licenses that can expire or be revoked or modified and applications for FCC licenses that may not be granted.

- We are subject to digital high-definition ("HD") "carry-one, carry-all" requirements that cause capacity constraints.

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Our business, investor confidence in our financial results and stock price may be adversely affected if our internal controls are not effective.

- We may face other risks described from time to time in periodic and current reports we file with the Securities and Exchange Commission ("SEC").

Other factors that could cause or contribute to such differences include, but are not limited to, those discussed under the caption "Risk Factors" in Part I, Item 1A of our most recent Annual Report on Form 10-K (the "10-K") filed with the SEC, those discussed in "Management's Discussion and Analysis of Financial Condition and Results of Operations" herein and in the 10-K and those discussed in other documents we file with the SEC. All cautionary statements made or referred to herein should be read as being applicable to all forward-looking statements wherever they appear. Investors should consider the risks and uncertainties described or referred to herein and should not place undue reliance on any forward-looking statements. The forward-looking statements speak only as of the date made, and we expressly disclaim any obligation to update these forward-looking statements.

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Item 1. FINANCIAL STATEMENTS

DISH NETWORK CORPORATION

CONDENSED CONSOLIDATED BALANCE SHEETS

(Dollars in thousands, except share amounts)

(Unaudited)

	As of March 31, 2019	December 31, 2018
Assets		
Current Assets:		
Cash and cash equivalents	$ 1,576,672	$ 887,346
Marketable investment securities	816,375	1,181,471
Trade accounts receivable, net of allowance for doubtful accounts of $18,967 and $16,966, respectively	581,685	639,855
Inventory	309,251	290,733
Other current assets	308,234	289,800
Total current assets	3,592,217	3,289,205
Noncurrent Assets:		
Restricted cash, cash equivalents and marketable investment securities	68,063	67,597
Property and equipment, net	1,863,167	1,928,180
FCC authorizations	24,976,019	24,736,961
Other investment securities	161,653	118,992
Operating lease assets	725,605	—
Other noncurrent assets, net	299,653	446,077
Total noncurrent assets	28,094,160	27,297,807
Total assets	$ 31,686,377	$ 30,587,012
Liabilities and Stockholders' Equity (Deficit)		
Current Liabilities:		
Trade accounts payable	$ 277,367	$ 233,753
Deferred revenue and other	646,375	655,312
Accrued programming	1,472,854	1,474,207
Accrued interest	202,190	268,479
Other accrued expenses	1,039,856	802,388
Current portion of long-term debt and finance lease obligations	1,316,414	1,341,993
Total current liabilities	4,955,056	4,776,132
Long-Term Obligations, Net of Current Portion:		
Long-term debt and finance lease obligations, net of current portion	13,825,418	13,810,784
Deferred tax liabilities	2,529,065	2,474,907

Operating lease liabilities	491,842	—
Long-term deferred revenue and other long-term liabilities	452,337	470,932
Total long-term obligations, net of current portion	17,298,662	16,756,623
Total liabilities	22,253,718	21,532,755
Commitments and Contingencies (Note 10)		
Redeemable noncontrolling interests (Note 2)	481,442	460,068
Stockholders' Equity (Deficit):		
Class A common stock, $.01 par value, 1,600,000,000 shares authorized, 229,642,174 and 229,448,857 shares issued and outstanding, respectively	2,297	2,295
Class B common stock, $.01 par value, 800,000,000 shares authorized, 238,435,208 shares issued and outstanding	2,384	2,384
Additional paid-in capital	3,395,377	3,379,093
Accumulated other comprehensive income (loss)	(57)	(874)
Accumulated earnings (deficit)	5,552,551	5,212,790
Total DISH Network stockholders' equity (deficit)	8,952,552	8,595,688
Noncontrolling interests	(1,335)	(1,499)
Total stockholders' equity (deficit)	8,951,217	8,594,189
Total liabilities and stockholders' equity (deficit)	$ 31,686,377	$ 30,587,012

The accompanying notes are an integral part of these condensed consolidated financial statements.

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DISH NETWORK CORPORATION

CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS

AND COMPREHENSIVE INCOME (LOSS)

(Dollars in thousands, except per share amounts)

(Unaudited)

	For the Three Months Ended March 31,	
	2019	2018
Revenue:		
Subscriber-related revenue	$ 3,147,770	$ 3,422,704
Equipment sales and other revenue	39,374	35,783
Total revenue	3,187,144	3,458,487
Costs and Expenses (exclusive of depreciation shown separately below - Note 7):		
Subscriber-related expenses	2,005,007	2,184,951
Satellite and transmission expenses	139,501	153,644
Cost of sales - equipment and other	40,384	31,626
Subscriber acquisition costs:		
Cost of sales - subscriber promotion subsidies	6,517	15,930
Other subscriber acquisition costs	80,475	77,072
Subscriber acquisition advertising	106,907	103,009
Total subscriber acquisition costs	193,899	196,011
General and administrative expenses	198,914	169,777
Depreciation and amortization (Note 7)	153,139	192,972
Total costs and expenses	2,730,844	2,928,981
Operating income (loss)	456,300	529,506
Other Income (Expense):		
Interest income	15,167	9,317
Interest expense, net of amounts capitalized	(5,921)	(2,957)
Other, net	9,088	(34,808)
Total other income (expense)	18,334	(28,448)
Income (loss) before income taxes	474,634	501,058
Income tax (provision) benefit, net	(113,335)	(115,737)
Net income (loss)	361,299	385,321
Less: Net income (loss) attributable to noncontrolling interests, net of tax	21,538	17,761
Net income (loss) attributable to DISH Network	$ 339,761	$ 367,560

Weighted-average common shares outstanding - Class A and B common stock:		
Basic	467,953	466,642
Diluted	526,219	525,309
Earnings per share - Class A and B common stock:		
Basic net income (loss) per share attributable to DISH Network	$ 0.73	$ 0.79
Diluted net income (loss) per share attributable to DISH Network	$ 0.65	$ 0.70
Comprehensive Income (Loss):		
Net income (loss)	$ 361,299	$ 385,321
Other comprehensive income (loss):		
Foreign currency translation adjustments	47	400
Unrealized holding gains (losses) on available-for-sale securities	1,006	105
Recognition of previously unrealized (gains) losses on available-for-sale securities included in net income (loss)	—	(2)
Deferred income tax (expense) benefit, net	(236)	(26)
Total other comprehensive income (loss), net of tax	817	477
Comprehensive income (loss)	362,116	385,798
Less: Comprehensive income (loss) attributable to noncontrolling interests, net of tax	21,538	17,761
Comprehensive income (loss) attributable to DISH Network	$ 340,578	$ 368,037

The accompanying notes are an integral part of these condensed consolidated financial statements.

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DISH NETWORK CORPORATION

CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY (DEFICIT)

(In thousands)

(Unaudited)

	Class A and B Common Stock	Additional Paid-In Capital	Accumulated Other Comprehensive Income (Loss)	Accumulated Earnings (Deficit)	Noncontrolling Interests	Total	Redeemable Noncontrolling Interests
Balance, December 31, 2017	$ 4,664	$ 3,296,488	$ 882	$ 3,635,380	$ 492	$ 6,937,906	$ 383,390
Issuance of Class A common stock:							
Exercise of stock awards	2	3,535	—	—	—	3,537	—
Employee Stock Purchase Plan	2	4,452	—	—	—	4,454	—
Non-cash, stock-based compensation	—	9,060	—	—	—	9,060	—
Change in unrealized holding gains (losses) on available-for-sale securities, net	—	—	103	—	—	103	—
Deferred income tax (expense) benefit attributable to unrealized gains (losses) on available-for-sale securities	—	—	(26)	—	—	(26)	—

Foreign currency translation	—	—	400	—	—	400	—
ASU 2014-09 cumulative catch-up adjustment	—	—	—	2,320	—	2,320	—
Net income (loss) attributable to noncontrolling interests	—	—	—	—	(51)	(51)	17,812
Net income (loss) attributable to DISH Network	—	—	—	367,560	—	367,560	—
Balance, March 31, 2018	$ 4,668	$ 3,313,535	$ 1,359	$ 4,005,260	$ 441	$ 7,325,263	$ 401,202
Balance, December 31, 2018	$ 4,679	$ 3,379,093	$ (874)	$ 5,212,790	$ (1,499)	$ 8,594,189	$ 460,068
Issuance of Class A common stock:							
Exercise of stock awards	—	227	—	—	—	227	—
Employee Stock Purchase Plan	2	4,520	—	—	—	4,522	—
Non-cash, stock-based compensation	—	11,537	—	—	—	11,537	—
Change in unrealized holding gains (losses) on available-for-sale securities, net	—	—	1,006	—	—	1,006	—
Deferred income tax (expense) benefit attributable to unrealized gains (losses) on available-for-sale securities	—	—	(236)	—	—	(236)	—
Foreign currency translation	—	—	47	—	—	47	—
Net income (loss) attributable to noncontrolling interests	—	—	—	—	164	164	21,374
Net income (loss) attributable to DISH Network	—	—	—	339,761	—	339,761	—

Balance, March 31, 2019	$ 4,681	$ 3,395,377	$ (57)	$ 5,552,551	$ (1,335)	$ 8,951,217	$ 481,442

The accompanying notes are an integral part of these condensed consolidated financial statements.

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DISH NETWORK CORPORATION

CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS

(In thousands)

(Unaudited)

	For the Three Months Ended March 31,	
	2019	2018
Cash Flows From Operating Activities:		
Net income (loss)	$ 361,299	$ 385,321
Adjustments to reconcile net income (loss) to net cash flows from operating activities:		
Depreciation and amortization	153,139	192,972
Realized and unrealized losses (gains) on investments	(2,617)	36,722
Non-cash, stock-based compensation	11,537	9,060
Deferred tax expense (benefit)	53,921	92,064
Other, net	(4,469)	(32,426)
Changes in current assets and current liabilities, net	160,119	67,838
Net cash flows from operating activities	732,929	751,551
Cash Flows From Investing Activities:		
Purchases of marketable investment securities	(145,162)	(9,253)
Sales and maturities of marketable investment securities	513,033	313,567
Purchases of property and equipment	(120,859)	(70,521)
Capitalized interest related to FCC authorizations (Note 2)	(289,775)	(294,003)
Other, net	2,495	3,613
Net cash flows from investing activities	(40,268)	(56,597)
Cash Flows From Financing Activities:		
Redemption and repurchases of senior notes	(22,365)	(56,473)
Repayment of long-term debt and finance lease obligations	(6,632)	(10,458)
Net proceeds from Class A common stock options exercised and stock issued under the Employee Stock Purchase Plan	4,750	7,991
Other, net	29,000	(159)
Net cash flows from financing activities	4,753	(59,099)
Net increase (decrease) in cash, cash equivalents, restricted cash and cash equivalents	697,414	635,855
	887,924	1,479,901

Cash, cash equivalents, restricted cash and cash equivalents, beginning of period (Note 5)		
Cash, cash equivalents, restricted cash and cash equivalents, end of period (Note 5)	$ 1,585,338	$ 2,115,756

The accompanying notes are an integral part of these condensed consolidated financial statements.

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DISH NETWORK CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

(Unaudited)

1.Organization and Business Activities

Principal Business

DISH Network Corporation is a holding company. Its subsidiaries (which together with DISH Network Corporation are referred to as "DISH Network," the "Company," "we," "us" and/or "our," unless otherwise required by the context) operate two primary business segments.

Pay-TV

We offer pay-TV services under the DISH® brand and the Sling® brand (collectively "Pay-TV" services). The DISH branded pay-TV service consists of, among other things, FCC licenses authorizing us to use direct broadcast satellite ("DBS") and Fixed Satellite Service ("FSS") spectrum, our owned and leased satellites, receiver systems, broadcast operations, customer service facilities, a leased fiber optic network, Smart Home service and call center operations, and certain other assets utilized in our operations ("DISH TV"). We also design, develop and distribute receiver systems and provide digital broadcast operations, including satellite uplinking/downlinking, transmission and other services to third-party pay-TV providers. See Note 2 and Note 13 for further information. The Sling branded pay-TV services consist of, among other things, multichannel, live-linear streaming OTT Internet-based domestic, international and Latino video programming services ("Sling TV"). As of March 31, 2019, we had 12.063 million Pay-TV subscribers in the United States, including 9.639 million DISH TV subscribers and 2.424 million Sling TV subscribers.

In addition, we historically offered broadband services under the dishNET™ brand, which includes satellite broadband services that utilize advanced technology and high-powered satellites launched by Hughes Communications, Inc. ("Hughes") and ViaSat, Inc. ("ViaSat") and wireline broadband services. However, as of the first quarter 2018, we have transitioned our broadband business focus from wholesale to authorized representative arrangements, and we are no longer marketing dishNET broadband services. Our existing broadband subscribers will decline through customer attrition. Generally, under these authorized representative arrangements, we will receive certain payments for each broadband service activation generated and installation performed, and we will not incur subscriber acquisition costs for these activations.

Wireless

Since 2008, we have directly invested over $11 billion to acquire certain wireless spectrum licenses and related assets and made over $10 billion in non-controlling investments in certain entities, for a total of over $21 billion, as described further below.

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DISH NETWORK CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS - Continued

(Unaudited)

DISH Network Spectrum

We have directly invested over $11 billion to acquire certain wireless spectrum licenses and related assets. These wireless spectrum licenses are subject to certain interim and final build-out requirements, as well as certain renewal requirements. In March 2017, we notified the FCC that we plan to deploy a next-generation 5G-capable network, focused on supporting narrowband Internet of Things ("IoT"), which is the first phase of our network deployment ("First Phase"). We expect to complete the First Phase by March 2020, with subsequent phases to be completed thereafter. As of March 31, 2019, we had entered into vendor contracts with multiple parties for, among other things, base stations, chipsets, modules, tower leases, the core network, Radio Frequency ("RF") design, and deployment services for the First Phase. Among other things, initial RF design in connection with the First Phase is now complete, we have secured certain tower sites, and we are in the process of identifying and securing additional tower sites. The core network has been installed and commissioned. We installed the first base stations on sites in 2018, and plan to continue deployment until complete. We will need to make significant additional investments or partner with others to, among other things, commercialize, build-out, and integrate these licenses and related assets, and any additional acquired licenses and related assets; and comply with regulations applicable to such licenses. Depending on the nature and scope of such commercialization, build-out, integration efforts, and regulatory compliance, any such investments or partnerships could vary significantly. In addition, as we consider our options for the commercialization of our wireless spectrum, we will incur significant additional expenses and will have to make significant investments related to, among other things, research and development, wireless testing and wireless network infrastructure. We may also determine that additional wireless spectrum licenses may be required to commercialize our wireless business and to compete with other wireless service providers. See Note 10 for further information.

DISH Network Non-Controlling Investments in the Northstar Entities and the SNR Entities Related to AWS-3 Wireless Spectrum Licenses

During 2015, through our wholly-owned subsidiaries American AWS-3 Wireless II L.L.C. ("American II") and American AWS-3 Wireless III L.L.C. ("American III"), we initially made over $10 billion in certain non-controlling investments in Northstar Spectrum, LLC ("Northstar Spectrum"), the parent company of Northstar Wireless, L.L.C. ("Northstar Wireless," and collectively with Northstar Spectrum, the "Northstar Entities"), and in SNR Wireless HoldCo, LLC ("SNR HoldCo"), the parent company of SNR Wireless LicenseCo, LLC ("SNR Wireless," and collectively with SNR HoldCo, the "SNR Entities"), respectively. On October 27, 2015, the FCC granted certain AWS-3 wireless spectrum licenses (the "AWS-3 Licenses") to Northstar Wireless and to SNR Wireless, respectively, which are recorded in "FCC authorizations" on our Condensed Consolidated Balance Sheets. Under the applicable accounting guidance in Accounting Standards Codification 810, Consolidation ("ASC 810"), Northstar Spectrum and SNR HoldCo are considered variable interest entities and, based on the characteristics of the structure of these entities and in accordance with the applicable accounting guidance, we consolidate these entities into our financial statements. See

Note 2 for further information.

The AWS-3 Licenses are subject to certain interim and final build-out requirements, as well as certain renewal requirements. The Northstar Entities and/or the SNR Entities may need to raise significant additional capital in the future, which may be obtained from third party sources or from us, so that the Northstar Entities and the SNR Entities may commercialize, build-out and integrate these AWS-3 Licenses, comply with regulations applicable to such AWS-3 Licenses, and make any potential Northstar Re-Auction Payment and SNR Re-Auction Payment for the AWS-3 licenses retained by the FCC. Depending upon the nature and scope of such commercialization, build-out, integration efforts, regulatory compliance, and potential Northstar Re-Auction Payment and SNR Re-Auction Payment, any loans, equity contributions or partnerships could vary significantly. There can be no assurance that we will be able to obtain a profitable return on our non-controlling investments in the Northstar Entities and the SNR Entities. See Note 10 for further information.

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(Unaudited)

2.Summary of Significant Accounting Policies

Basis of Presentation

The accompanying unaudited Condensed Consolidated Financial Statements have been prepared in accordance with accounting principles generally accepted in the United States (“GAAP”) and with the instructions to Form 10-Q and Article 10 of Regulation S-X for interim financial information. Accordingly, these statements do not include all of the information and notes required for complete financial statements prepared under GAAP. In our opinion, all adjustments (consisting of normal recurring adjustments) considered necessary for a fair presentation have been included. Our results of operations for the interim periods presented are not necessarily indicative of the results that may be expected for the full year. For further information, refer to the Consolidated Financial Statements and notes thereto included in our Annual Report on Form 10-K for the year ended December 31, 2018. Certain prior period amounts have been reclassified to conform to the current period presentation.

Principles of Consolidation

We consolidate all majority owned subsidiaries, investments in entities in which we have controlling influence and variable interest entities where we have been determined to be the primary beneficiary. Minority interests are recorded as noncontrolling interests or redeemable noncontrolling interests. See below for further information. Non-consolidated investments are accounted for using the equity method when we have the ability to significantly influence the operating decisions of the investee. When we do not have the ability to significantly influence the operating decisions of an investee, these equity securities are classified as either marketable investment securities or other investments and recorded at fair value with changes recognized in “Other, net” within “Other Income (Expense)” on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). All significant intercompany accounts and transactions have been eliminated in consolidation.

Redeemable Noncontrolling Interests

Northstar Wireless. Northstar Wireless is a wholly-owned subsidiary of Northstar Spectrum, which is an entity owned by Northstar Manager, LLC ("Northstar Manager") and us. Under the applicable accounting guidance in ASC 810, Northstar Spectrum is considered a variable interest entity and, based on the characteristics of the structure of this entity and in accordance with the applicable accounting guidance, we consolidate Northstar Spectrum into our financial statements. The Northstar Operative Agreements, as amended, provide for, among other things, that after the fifth and sixth anniversaries of the grant of the AWS-3 Licenses to Northstar Wireless (and in certain circumstances, prior to the fifth anniversary of the grant of the AWS-3 Licenses to Northstar Wireless), Northstar Manager has the ability, but not the obligation, to require Northstar Spectrum to purchase Northstar Manager's ownership interests in Northstar Spectrum (the "Northstar Put Right") for a purchase price that generally equals its equity contribution to Northstar Spectrum plus a fixed annual rate of return. In the event that the Northstar Put Right is exercised by Northstar Manager, the consummation of the sale will be subject to FCC approval. Northstar Spectrum does not have a call right with respect to Northstar Manager's ownership interests in Northstar Spectrum. Although Northstar Manager is the sole manager of Northstar Spectrum, Northstar Manager's ownership interest is considered temporary equity under the applicable accounting guidance and is thus recorded as part of "Redeemable noncontrolling interests" in the mezzanine section of our Condensed Consolidated Balance Sheets. Northstar Manager's ownership interest in Northstar Spectrum was initially accounted for at fair value. Subsequently, Northstar Manager's ownership interest in Northstar Spectrum is increased by the fixed annual rate of return through "Redeemable noncontrolling interests" on our Condensed Consolidated Balance Sheets, with the offset recorded in "Net income (loss) attributable to noncontrolling interests, net of tax" on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). The operating results of Northstar Spectrum attributable to Northstar Manager are recorded as "Redeemable noncontrolling interests" on our Condensed Consolidated Balance Sheets, with the offset recorded in "Net income (loss) attributable to noncontrolling interests, net of tax" on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). See Note 10 for further information.

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(Unaudited)

SNR Wireless. SNR Wireless is a wholly-owned subsidiary of SNR HoldCo, which is an entity owned by SNR Wireless Management, LLC ("SNR Management") and us. Under the applicable accounting guidance in ASC 810, SNR HoldCo is considered a variable interest entity and, based on the characteristics of the structure of this entity and in accordance with the applicable accounting guidance, we consolidate SNR HoldCo into our financial statements. The SNR Operative Agreements, as amended, provide for, among other things, that after the fifth and sixth anniversaries of the grant of the AWS-3 Licenses to SNR Wireless (and in certain circumstances, prior to the fifth anniversary of the grant of the AWS-3 Licenses to SNR Wireless), SNR Management has the ability, but not the obligation, to require SNR HoldCo to purchase SNR Management's ownership interests in SNR HoldCo (the "SNR Put Right") for a purchase price that generally equals its equity contribution to SNR HoldCo plus a fixed annual rate of return. In the event that the SNR Put Right is exercised by SNR Management, the consummation of the sale will be subject to FCC approval. SNR HoldCo does not have a call right with respect to SNR Management's ownership interests in SNR HoldCo. Although SNR Management is the sole manager of SNR HoldCo, SNR Management's ownership interest is considered temporary equity under the applicable accounting guidance and is thus recorded as part of "Redeemable noncontrolling interests" in the mezzanine section of our Condensed Consolidated Balance Sheets. SNR Management's ownership interest in SNR HoldCo was initially accounted for at fair value. Subsequently, SNR Management's ownership interest in SNR HoldCo is increased by the fixed annual rate of return through "Redeemable noncontrolling interests" on our Condensed Consolidated Balance Sheets, with the offset recorded in "Net income (loss) attributable to noncontrolling interests, net of tax" on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). The operating results of SNR HoldCo attributable to SNR Management are recorded as "Redeemable noncontrolling interests" on our Condensed Consolidated Balance Sheets, with the offset recorded in "Net income (loss) attributable to noncontrolling interests, net of tax" on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). See Note 10 for further information.

Use of Estimates

The preparation of financial statements in conformity with GAAP requires us to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expense for each reporting period. Estimates are used in accounting for, among other things, allowances for doubtful accounts, self-insurance obligations, deferred taxes and related valuation allowances, uncertain tax positions, loss contingencies, fair value of financial instruments, fair value of options granted under our stock-based compensation plans, fair value of assets and liabilities acquired in business combinations, relative standalone selling prices of performance obligations, leases, asset impairments, estimates of future cash flows used to evaluate impairments, useful lives of property, equipment and intangible assets, independent third-party retailer incentives, programming expenses and subscriber lives. Economic conditions may increase the inherent uncertainty in the estimates and assumptions indicated above. Actual results may differ from previously estimated amounts, and such differences may be material to our condensed consolidated financial statements. Estimates and assumptions are reviewed periodically, and the effects of revisions are reflected

prospectively in the period they occur.

Marketable Investment Securities

Historically, we classified all marketable investment securities as available-for-sale, except for investments which were accounted for as trading securities, and adjusted the carrying amount of our available-for-sale securities to fair value and reported the related temporary unrealized gains and losses as a separate component of “Accumulated other comprehensive income (loss)” within “Total stockholders’ equity (deficit),” net of related deferred income tax on our Condensed Consolidated Balance Sheets. Our trading securities were carried at fair value, with changes in fair value recognized in “Other, net” within “Other Income (Expense)” on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss).

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Subsequent to the adoption of ASU 2016-01 Recognition and Measurement of Financial Assets and Financial Liabilities ("ASU 2016-01") during the first quarter 2018, all equity securities are carried at fair value, with changes in fair value recognized in "Other, net" within "Other Income (Expense)" on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). All debt securities are classified as available-for-sale. We adjust the carrying amount of our debt securities to fair value and report the related temporary unrealized gains and losses as a separate component of "Accumulated other comprehensive income (loss)" within "Total stockholders' equity (deficit)," net of related deferred income tax on our Condensed Consolidated Balance Sheets. Declines in the fair value of a marketable debt security which are determined to be "other-than-temporary" are recognized on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss), thus establishing a new cost basis for such investment.

Capitalized Interest

We capitalize interest associated with the acquisition or construction of certain assets, including, among other things, our wireless spectrum licenses, build-out costs associated with our network deployment and satellites. Capitalization of interest begins when, among other things, steps are taken to prepare the asset for its intended use and ceases when the asset is ready for its intended use or when these activities are substantially suspended.

We are currently preparing for the commercialization of our AWS-4, H Block, 700 MHz, 600 MHz and MVDDS wireless spectrum licenses, and interest expense related to their carrying amount is being capitalized. In addition, the FCC has granted certain AWS-3 Licenses to Northstar Wireless and to SNR Wireless, respectively, in which we have made certain non-controlling investments. Northstar Wireless and SNR Wireless are preparing for the commercialization of their AWS-3 Licenses and interest expense related to their carrying amount is also being capitalized. On June 14, 2017, the FCC issued an order granting our application to acquire the 600 MHz Licenses, and we began preparing for the commercialization of our 600 MHz Licenses and began capitalizing interest related to these licenses on June 14, 2017. As the carrying amount of the licenses discussed above exceeded the carrying value of our long-term debt beginning on June 14, 2017, materially all of our interest expense is now being capitalized.

Fair Value Measurements

We determine fair value based on the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants. Market or observable inputs are the preferred source of values, followed by unobservable inputs or assumptions based on hypothetical transactions in the absence of market inputs. We apply the following hierarchy in determining fair value:

- Level 1, defined as observable inputs being quoted prices in active markets for identical assets;
- Level 2, defined as observable inputs other than quoted prices included in Level 1, including quoted prices for similar assets and liabilities in active markets; quoted prices for identical or similar instruments in markets that are not active; and derivative financial instruments indexed to marketable investment securities; and
- Level 3, defined as unobservable inputs for which little or no market data exists, consistent with reasonably available assumptions made by other participants therefore requiring assumptions based on the best information available.

As of March 31, 2019 and December 31, 2018, the carrying amount for cash and cash equivalents, trade accounts receivable (net of allowance for doubtful accounts) and current liabilities (excluding the “Current portion of long-term debt and finance lease obligations”) was equal to or approximated fair value due to their short-term nature or proximity to current market rates. See Note 5 for the fair value of our marketable investment securities and derivative financial instruments.

Fair values for our publicly traded debt securities are based on quoted market prices, when available. The fair values of private debt are based on, among other things, available trade information, and/or an analysis in which we evaluate market conditions, related securities, various public and private offerings, and other publicly available information.

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In performing this analysis, we make various assumptions regarding, among other things, credit spreads, and the impact of these factors on the value of the debt securities. See Note 9 for the fair value of our long-term debt.

Revenue Recognition

Our revenue is primarily derived from Pay-TV programming services that we provide to our subscribers. We also generate revenue from equipment rental fees and other hardware related fees, including DVRs and fees from subscribers with multiple receivers; advertising services; fees earned from our Smart Home service operations; broadband services; warranty services; and sales of digital receivers and related equipment to third-party pay-TV providers. See Note 11 for further information, including revenue disaggregated by major source.

Our residential video subscribers contract for individual services or combinations of services, as discussed above, the majority of which are generally distinct and are accounted for as separate performance obligations. We consider our installations for first time DISH TV subscribers to be a service. However, since we provide a significant integration service combining the installation with programming services, we have concluded that the installation is not distinct from programming and thus the installation and programming services are accounted for as a single performance obligation. We generally satisfy these performance obligations and recognize revenue as the services are provided, for example as the programming is broadcast to subscribers, as this best represents the transfer of control of the services to the subscriber.

In cases where a subscriber is charged certain nonrefundable upfront fees, those fees are generally considered to be material rights to the subscriber related to the subscriber's option to renew without having to pay an additional fee upon renewal. These fees are deferred and recognized over the estimated period of time during which the fee remains material to the customer, which we estimate to be less than one year. Revenues arising from our Smart Home service operations that are separate from the initial installation, such as mounting a TV on a subscriber's wall, are generally recognized when these services are performed.

For our residential video subscribers, we have concluded that the contract term under Accounting Standard Codification Topic 606, Revenue from Contracts with Customers ("ASC 606"), is one month and as a result the revenue recognized for these subscribers for a given month is equal to the amount billed in that month, except for certain nonrefundable upfront fees that are accounted for as material rights, as discussed above.

Revenues from our advertising services are typically recognized as the advertisements are broadcast. Sales of equipment to subscribers or other third parties are recognized when control is transferred under the contract. Revenue from our commercial video subscribers typically follows the residential model described above, with the exception that the contract term for most of our commercial subscribers exceeds one month and can be multiple years in length. However, commercial subscribers typically do not receive time-limited discounts or free service periods and accordingly, while they may have multiple performance obligations, revenue is equal to the amount billed in a given month.

Contract Balances

The timing of revenue recognition generally differs from the timing of invoicing to customers. When revenue is recognized prior to invoicing, we record a receivable. When revenue is recognized subsequent to invoicing, we record deferred revenue. Our residential video subscribers are typically billed monthly, and the contract balances for those customers arise from the timing of the monthly billing cycle. We do not adjust the amount of consideration for financing impacts as we apply a practical expedient when we anticipate that the period between transfer of goods and services and eventual payment for those goods and services will be less than one year. See Note 12 for further information, including balance and activity detail about our allowance for doubtful accounts and deferred revenue related to contracts with subscribers.

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Assets Recognized Related to the Costs to Obtain a Contract with a Subscriber

We recognize an asset for the incremental costs of obtaining a contract with a subscriber if we expect the benefit of those costs to be longer than one year. We have determined that certain sales incentive programs, including those with our independent third-party retailers, meet the requirements to be capitalized, and payments made under these programs are capitalized and amortized to expense over the estimated subscriber life. During the three months ended March 31, 2019 and 2018, we capitalized $37 million and $41 million, respectively, under these programs. The amortization expense related to these programs was $14 million and $3 million, respectively, for the three months ended March 31, 2019 and 2018, respectively. As of March 31, 2019 and December 31, 2018, we had a total of $192 million and $169 million capitalized on our Condensed Consolidated Balance Sheets. These amounts are capitalized in “Other current assets” and “Other noncurrent assets, net” on our Condensed Consolidated Balance Sheets, and then amortized in “Other subscriber acquisition costs” on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss).

Leases

We enter into operating and finance leases for, among other things, satellites, office space, data centers, warehouses and distribution centers, vehicles used for installation and Smart Home Services, wireless towers and other equipment. Our leases have remaining lease terms from one to 12 years, some of which include renewal options, and some of which include options to terminate the leases within one year.

We determine if an arrangement is a lease and classify that lease as either an operating or finance lease at inception. Operating leases are included in “Operating lease assets,” “Other accrued expenses” and “Operating lease liabilities” on our Condensed Consolidated Balance Sheets. Finance leases are included in “Property and equipment, net,” “Current portion of long-term debt and finance lease obligations” and “Long-term debt and finance lease obligations, net of current portion” on our Condensed Consolidated Balance Sheets. Leases with an initial term of 12 months or less are not recorded on the balance sheet and we recognize lease expense for these leases on a straight-line basis over the lease term on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). See Note 8 for further information on our lease expenses.

Right of use ("ROU") assets represent our right to use an underlying asset for the lease term and lease liabilities represent the present value of our obligation to make lease payments arising from the lease. Operating lease ROU assets and liabilities are recognized at commencement date based on the present value of lease payments over the lease term. When our leases do not provide an implicit rate, we use our incremental borrowing rate based on the information available at commencement date in determining the present value of lease payments. The operating lease ROU asset also includes the impact of prepaid or deferred lease payments. The length of our lease term may include options to extend or terminate the lease when it is reasonably certain that we will exercise that option. Lease expense for operating lease payments is recognized on a straight-line basis over the lease term.

We lease certain assets from EchoStar, including, among other things, satellites, office space and data centers. See Note 13 for further information on our Related Party Transactions with EchoStar. We have lease agreements with lease and non-lease components, which are generally accounted for separately. Our variable lease payments are immaterial and our lease agreements do not contain any material residual value guarantees or material restrictive covenants.

For equipment leased to new and existing DISH TV subscribers we made an accounting policy election to combine the equipment with our programming services as a single performance obligation in accordance with the revenue recognition guidance as the programming services are the predominant component.

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Impact of Adoption of ASU 2016-02

In February 2016, the Financial Accounting Standards Board ("FASB") issued ASU 2016-02 Leases ("ASU 2016-02") and has modified the standard thereafter. We adopted ASU 2016-02, as modified, on January 1, 2019 using the modified retrospective method. Under the modified retrospective method, we applied the new guidance to all leases that commenced before and were existing as of January 1, 2019.

The adoption of ASU 2016-02 had no impact on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss) and cash flows from operating, investing and financing activities on our Condensed Consolidated Statements of Cash Flows.

The adoption of ASU 2016-02 impacted our March 31, 2019 Condensed Consolidated Balance Sheet, including the reclassification of our deferred rent liabilities to an operating lease asset, as follows:

Condensed Consolidated Balance Sheets	DISH Network (as would have been reported under previous standards) (In thousands)	Impact of adopting ASU 2016-02	DISH Network (as currently reported)
As of March 31, 2019			
Operating lease assets	$ —	$ 725,605	$ 725,605
Total assets	$ 30,960,772	$ 725,605	$ 31,686,377
Other accrued expenses	$ 802,323	$ 237,533	$ 1,039,856
Operating lease liabilities	$ —	$ 491,842	$ 491,842
Long-term deferred revenue and other long-term liabilities	$ 456,107	$ (3,770)	$ 452,337
Total liabilities	$ 21,528,113	$ 725,605	$ 22,253,718
Total stockholders' equity (deficit)	$ 8,951,217	$ —	$ 8,951,217
Total liabilities and stockholders' equity (deficit)	$ 30,960,772	$ 725,605	$ 31,686,377

Research and Development

Research and development costs are expensed as incurred. Research and development costs totaled $5 million and $6 million for the three months ended March 31, 2019 and 2018, respectively.

New Accounting Pronouncements

Financial Instruments – Credit Losses. On June 16, 2016, the FASB issued ASU 2016-13 Financial Instruments – Credit Losses, Measurement of Credit Losses on Financial Instruments ("ASU 2016-13"), which changes the way entities measure credit losses for most financial assets and certain other instruments that are not measured at fair value through net earnings. This standard will be effective for fiscal years beginning after December 15, 2019, including interim periods within those fiscal years. Early adoption is permitted. We are evaluating the impact the adoption of ASU 2016-13 will have on our Condensed Consolidated Financial Statements and related disclosures.

Fair Value Measurement. On August 28, 2018, the FASB issued ASU 2018-13, Fair Value Measurement (Topic 820): Disclosure Framework — Changes to the Disclosure Requirements for Fair Value Measurement ("ASU 2018-13"), which modifies the disclosure requirements on fair value measurements by adding, modifying or removing certain disclosures. This standard will be effective for fiscal years beginning after December 15, 2019, including interim periods within those fiscal years. Early adoption is permitted. Certain disclosures in ASU 2018-13 are required to be applied on a retrospective basis and others on a prospective basis. We are evaluating the impact the adoption of ASU 2018-13 will have on our Condensed Consolidated Financial Statements and related disclosures.

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3.Basic and Diluted Net Income (Loss) Per Share

We present both basic earnings per share (“EPS”) and diluted EPS. Basic EPS excludes potential dilution and is computed by dividing “Net income (loss) attributable to DISH Network” by the weighted-average number of common shares outstanding for the period. Diluted EPS reflects the potential dilution that could occur if stock awards were exercised and if our Convertible Notes were converted. The potential dilution from stock awards is accounted for using the treasury stock method based on the average market value of our Class A common stock. The potential dilution from conversion of the Convertible Notes is accounted for using the if-converted method, which requires that all of the shares of our Class A common stock issuable upon conversion of the Convertible Notes will be included in the calculation of diluted EPS assuming conversion of the Convertible Notes at the beginning of the reporting period (or at time of issuance, if later).

The following table presents EPS amounts for all periods and the basic and diluted weighted-average shares outstanding used in the calculation.

	For the Three Months Ended March 31,	
	2019	2018
	(In thousands, except per share amounts)	
Net income (loss)	$ 361,299	$ 385,321
Less: Net income (loss) attributable to noncontrolling interests, net of tax	21,538	17,761
Net income (loss) attributable to DISH Network - Basic	339,761	367,560
Interest on dilutive Convertible Notes, net of tax (1)	—	—
Net income (loss) attributable to DISH Network - Diluted	$ 339,761	$ 367,560
Weighted-average common shares outstanding - Class A and B common stock:		
Basic	467,953	466,642
Dilutive impact of Convertible Notes	58,192	58,192
Dilutive impact of stock awards outstanding	74	475
Diluted	526,219	525,309

Earnings per share - Class A and B common stock:		
Basic net income (loss) per share attributable to DISH Network	$ 0.73	$ 0.79
Diluted net income (loss) per share attributable to DISH Network	$ 0.65	$ 0.70

(1) For both the three months ended March 31, 2019 and 2018, materially all of our interest expense was capitalized. See Note 2 for further information.

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(Unaudited)

Certain stock awards to acquire our Class A common stock are not included in the weighted-average common shares outstanding above, as their effect is anti-dilutive. In addition, vesting of performance based options and rights to acquire shares of our Class A common stock granted pursuant to our performance based stock incentive plans ("Restricted Performance Units") are both contingent upon meeting certain goals, some of which are not yet probable of being achieved. Furthermore, the warrants that we issued to certain option counterparties in connection with the Convertible Notes due 2026 are only exercisable at their expiration if the market price per share of our Class A common stock is greater than the strike price of the warrants, which is approximately $86.08 per share, subject to adjustments. As a consequence, the following are not included in the diluted EPS calculation.

	As of March 31,	
	2019	2018
	(In thousands)	
Anti-dilutive stock awards	4,495	3,572
Performance based options (1)	8,936	4,804
Restricted Performance Units/Awards	1,651	2,061
Common stock warrants	46,029	46,029
Total	61,111	56,466

(1) The increase in performance based options as of March 31, 2019 primarily resulted from the issuance of stock option awards as of October 1, 2018 under a long-term, performance-based stock incentive plan adopted on August 17, 2018 (the "2019 LTIP").

4.Supplemental Data - Statements of Cash Flows

The following table presents certain supplemental cash flow and other non-cash data. See Note 8 for supplemental cash flow and non-cash data related to leases.

	For the Three Months Ended March 31,	
	2019	2018
	(In thousands)	
Cash paid for interest (including capitalized interest)	$ 289,497	$ 294,122
Cash received for interest	8,109	2,878
Cash paid for income taxes	701	1,758
Capitalized interest (1)	250,202	261,680
Reclassification of a receivable from noncurrent to current	140,810	—

(1) See Note 2 for further information.

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(Unaudited)

5.Marketable Investment Securities, Restricted Cash and Cash Equivalents, and Other Investment Securities

Our marketable investment securities, restricted cash and cash equivalents, and other investment securities consisted of the following:

	As of March 31, 2019	December 31, 2018
	(In thousands)	
Marketable investment securities:		
Current marketable investment securities:		
Strategic - available-for-sale	$ 185	$ 193
Strategic - trading/equity (Note 2)	2,894	2,370
Other	813,296	1,178,908
Total current marketable investment securities	816,375	1,181,471
Restricted marketable investment securities (1)	59,397	67,019
Total marketable investment securities	875,772	1,248,490
Restricted cash and cash equivalents (1)	8,666	578
Other investment securities:		
Other investment securities	161,653	118,992
Total other investment securities	161,653	118,992
Total marketable investment securities, restricted cash and cash equivalents, and other investment securities	$ 1,046,091	$ 1,368,060

(1) Restricted marketable investment securities and restricted cash and cash equivalents are included in “Restricted cash, cash equivalents and marketable investment securities” on our Condensed Consolidated Balance Sheets.

Marketable Investment Securities

Our marketable investment securities portfolio consists of various debt and equity instruments. All debt securities are classified as available-for-sale. Subsequent to the adoption of ASU 2016-01 during the first quarter 2018, all equity securities are carried at fair value, with changes in fair value recognized in “Other, net” within “Other Income (Expense)”

on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). See Note 2 for further information.

Current Marketable Investment Securities – Strategic

Our current strategic marketable investment securities portfolio includes and may include strategic and financial debt and equity investments in private and public companies that are highly speculative and have experienced and continue to experience volatility. As of March 31, 2019, this portfolio consisted of securities of a small number of issuers, and as a result the value of that portfolio depends, among other things, on the performance of those issuers. The fair value of certain of the debt and equity securities in this portfolio can be adversely impacted by, among other things, the issuers' respective performance and ability to obtain any necessary additional financing on acceptable terms, or at all.

Current Marketable Investment Securities - Other

Our current other marketable investment securities portfolio includes investments in various debt instruments including, among others, commercial paper, corporate securities and United States treasury and/or agency securities.

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(Unaudited)

Commercial paper consists mainly of unsecured short-term, promissory notes issued primarily by corporations with maturities ranging up to 365 days. Corporate securities consist of debt instruments issued by corporations with various maturities normally less than 18 months. U.S. Treasury and agency securities consist of debt instruments issued by the federal government and other government agencies.

Restricted Cash, Cash Equivalents and Marketable Investment Securities

As of March 31, 2019 and December 31, 2018, our restricted marketable investment securities, together with our restricted cash and cash equivalents, included amounts required as collateral for our letters of credit.

Other Investment Securities

We have strategic investments in certain debt and/or equity securities that are included in noncurrent “Other investment securities” on our Condensed Consolidated Balance Sheets. Our debt securities are classified as available-for-sale and our equity securities are accounted for using the equity method of accounting or recorded at fair value. Certain of our equity method investments are detailed below.

NagraStar L.L.C. As a result of the completion of the share exchange on February 28, 2017, we own a 50% interest in NagraStar L.L.C. (“NagraStar”), a joint venture that is our primary provider of encryption and related security systems intended to assure that only authorized customers have access to our programming.

Invidi Technologies Corporation. In November 2016, we, DIRECTV, LLC, a wholly-owned indirect subsidiary of AT&T Inc., and Cavendish Square Holding B.V., an affiliate of WPP plc, entered into a series of agreements to acquire Invidi Technologies Corporation (“Invidi”), an entity that provides proprietary software for the addressable advertising market. The transaction closed in January 2017.

TerreStar Solutions, Inc. In March 2019, we closed a transaction with TerreStar Solutions, Inc. (“TSI”) to acquire additional equity securities of TSI, an entity that holds certain 2 GHz wireless spectrum licenses in Canada, in exchange for certain Canadian assets, including, among other things, a portion of the satellite capacity on our T1

satellite, which we had acquired from TerreStar Networks, Inc. in 2012.

Our ability to realize value from our strategic investments in securities that are not publicly traded depends on the success of the issuers' businesses and their ability to obtain sufficient capital, on acceptable terms or at all, and to execute their business plans. Because private markets are not as liquid as public markets, there is also increased risk that we will not be able to sell these investments, or that when we desire to sell them we will not be able to obtain fair value for them.

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DISH NETWORK CORPORATION

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(Unaudited)

Unrealized Gains (Losses) on Marketable Investment Securities

As of March 31, 2019 and December 31, 2018, we had accumulated net unrealized gains of less than $1 million and accumulated net unrealized losses of $1 million, respectively. These amounts, net of related tax effect, were accumulated net unrealized gains of less than $1 million and accumulated net unrealized losses of $1 million, respectively. All of these amounts are included in “Accumulated other comprehensive income (loss)” within “Total stockholders’ equity (deficit).” The components of our available-for-sale investments are summarized in the table below.

	As of March 31, 2019				As of December 31, 2018			
	Marketable Investment Securities	Unrealized Gains	Losses	Net	Marketable Investment Securities	Unrealized Gains	Losses	Net
	(In thousands)							
Debt securities (including restricted):								
U.S. Treasury and agency securities	$ 59,155	$ 71	$ (4)	$ 67	$ 66,823	$ 40	$ (19)	$ 21
Commercial paper	383,420	—	(21)	(21)	367,488	—	—	—
Corporate securities	424,221	188	(9)	179	805,259	91	(899)	(808)
Other	6,082	56	(8)	48	6,550	56	(2)	54
Total	$ 872,878	$ 315	$ (42)	$ 273	$ 1,246,120	$ 187	$ (920)	$ (733)

As of March 31, 2019, restricted and non-restricted marketable investment securities included debt securities of $868 million with contractual maturities within one year and $5 million with contractual maturities extending longer than one year through and including five years. Actual maturities may differ from contractual maturities as a result of our ability to sell these securities prior to maturity.

Fair Value Measurements

Our investments measured at fair value on a recurring basis were as follows:

	As of March 31, 2019				December 31, 2018			
	Total	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3
	(In thousands)							
Cash equivalents (including restricted)	$ 1,540,361	$ 261,843	$ 1,278,518	$ —	$ 859,220	$ 30,858	$ 828,362	$ —
Debt securities (including restricted):								
U.S. Treasury and agency securities	$ 59,155	$ 59,155	$ —	$ —	$ 66,823	$ 66,823	$ —	$ —
Commercial paper	383,420	—	383,420	—	367,488	—	367,488	—
Corporate securities	424,221	—	424,221	—	805,259	—	805,259	—
Other	6,082	—	5,897	185	6,550	—	6,357	193
Equity securities	2,894	2,894	—	—	2,370	2,370	—	—
Total	$ 875,772	$ 62,049	$ 813,538	$ 185	$ 1,248,490	$ 69,193	$ 1,179,104	$ 193

During the three months ended March 31, 2019, we had no transfers in or out of Level 1 and Level 2 fair value measurements.

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DISH NETWORK CORPORATION

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(Unaudited)

Gains and Losses on Sales and Changes in Carrying Amounts of Investments

"Other, net" within "Other Income (Expense)" included on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss) is as follows:

Other, net:	For the Three Months Ended March 31, 2019	2018
	(In thousands)	
Marketable investment securities - realized and unrealized gains (losses) (1)	$ 3,056	$ (36,543)
Costs related to early redemption of debt	(439)	(179)
Equity in earnings of affiliates	(1,065)	1,446
Other	7,536	468
Total	$ 9,088	$ (34,808)

(1) During the three months ended March 31, 2019, we recorded unrealized gains of $2 million related to equity securities held as of March 31, 2019.

6.Inventory

Inventory consisted of the following:

	As of March 31, 2019	December 31, 2018

	(In thousands)	
Finished goods	$ 242,363	$ 215,186
Work-in-process and service repairs	49,939	56,871
Raw materials	16,949	18,676
Total inventory	$ 309,251	$ 290,733

7.Property and Equipment

Property and equipment consisted of the following:

	Depreciable Life (In Years)	As of March 31, 2019	December 31, 2018
		(In thousands)	
Equipment leased to customers	2 - 5	$ 1,940,528	$ 2,016,965
EchoStar XV	15	277,658	277,658
EchoStar XVIII	15	411,255	411,255
D1	N/A	55,000	55,000
T1 (1)	14	66,071	100,000
Satellites acquired under finance lease agreements (2)	10 - 15	223,423	499,819
Furniture, fixtures, equipment and other	2 - 10	1,910,150	1,923,585
Buildings and improvements	4 - 40	285,321	290,650
Land	—	13,186	13,186
Construction in progress	—	126,186	100,560
Total property and equipment		5,308,778	5,688,678
Accumulated depreciation		(3,445,611)	(3,760,498)
Property and equipment, net		$ 1,863,167	$ 1,928,180

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(Unaudited)

(1) See Note 5 for further information on the transaction with TSI.
(2) The Ciel II satellite was previously classified as a finance lease, however, as a result of an amendment, which was effective during the first quarter 2019, Ciel II is now accounted for as an operating lease.

Depreciation and amortization expense consisted of the following:

	For the Three Months Ended March 31,	
	2019	2018
	(In thousands)	
Equipment leased to customers	$ 109,154	$ 110,521
Satellites	20,479	25,086
Buildings, furniture, fixtures, equipment and other	23,506	57,365
Total depreciation and amortization	$ 153,139	$ 192,972

Cost of sales and operating expense categories included in our accompanying Condensed Consolidated Statements of Operations and Comprehensive Income (Loss) do not include depreciation expense related to satellites or equipment leased to customers.

Pay-TV Satellites. We currently utilize 11 satellites in geostationary orbit approximately 22,300 miles above the equator, two of which we own and depreciate over their estimated useful life. We currently utilize certain capacity on seven satellites that we lease from EchoStar, which are accounted for as operating leases. We also lease two satellites from third parties, Ciel II which is now accounted for as an operating lease and Anik F3 which is accounted for as a financing lease and is depreciated over its economic life.

As of March 31, 2019, our pay-TV satellite fleet consisted of the following:

Satellites	Launch Date	Degree Orbital Location	Estimated Useful Life (Years)/Lease Termination Date
Owned:			
EchoStar XV	July 2010	61.5	15
EchoStar XVIII	June 2016	61.5	15
Leased from EchoStar (1):			
EchoStar IX	August 2003	121	Month to month
EchoStar X (2)	February 2006	110	February 2021
EchoStar XI (2)	July 2008	110	September 2021
EchoStar XIV (2)	March 2010	119	February 2023
EchoStar XVI (3)	November 2012	61.5	January 2023
Nimiq 5	September 2009	72.7	September 2019
QuetzSat-1	September 2011	77	November 2021
Leased from Other Third Party:			
Anik F3	April 2007	118.7	April 2022
Ciel II (4)	December 2008	129	January 2020

(1) See Note 13 for further information on our Related Party Transactions with EchoStar.

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(2) We generally have the option to renew each lease on a year-to-year basis through the end of the useful life of the respective satellite.
(3) We have the option to renew this lease for an additional five-year period.
(4) During the fourth quarter 2018, we amended this lease.

(5)

8.Leases

We enter into operating and finance leases for, among other things, satellites, office space, data centers, warehouses and distribution centers, vehicles used for installation and Smart Home Services, wireless towers and other equipment. Our leases have remaining lease terms from one to 12 years, some of which include renewal options, and some of which include options to terminate the leases within one year.

Our Anik F3 satellite is accounted for as a financing lease. The vast majority of our remaining leases are accounted for as operating leases, including the remainder of our satellite fleet.

The components of lease expense were as follows:

	For the Three Months Ended March 31, 2019 (In thousands)
Operating lease cost	$ 81,070
Short-term lease cost (1)	2,484
Finance lease cost:	
Amortization of right-of-use assets	6,108
Interest on lease liabilities	1,181

Total finance lease cost	7,289
Total lease costs	$ 90,843

(1) Leases that have terms of 12 month or less.

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(Unaudited)

Supplemental cash flow information related to leases was as follows:

	For the Three Months Ended March 31, 2019 (In thousands)
Cash paid for amounts included in the measurement of lease liabilities:	
Operating cash flows from operating leases	$ 81,346
Operating cash flows from finance leases	$ 1,195
Financing cash flows from finance leases	$ 6,055
Right-of-use assets obtained in exchange for lease obligations:	
Operating leases	$ 62,150
Finance leases	$ —
Right-of-use assets and liabilities recognized at January 1, 2019 upon adoption of ASC 842	$ 733,584

Supplemental balance sheet information related to leases was as follows:

	As of March 31, 2019 (In thousands)
Operating Leases:	
Operating lease right-of-use assets	$ 725,605
Other current liabilities	$ 237,533
Operating lease liabilities	491,842
Total operating lease liabilities	$ 729,375
Finance Leases:	
Property and equipment, gross	$ 224,454
Accumulated depreciation	(178,848)
Property and equipment, net	$ 45,606
Other current liabilities	$ 18,349
Other long-term liabilities	42,403
Total finance lease liabilities	$ 60,752

Weighted Average Remaining Lease Term:	
Operating leases	3.7 years
Finance leases	3.1 years
Weighted Average Discount Rate:	
Operating leases	9.3%
Finance leases	7.5%

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Maturities of lease liabilities as of March 31, 2019 were as follows:

	Maturities of Lease Liabilities		
For the Years Ending December 31,	Operating Leases	Finance Leases	Total
	(In thousands)		
2019 (remaining nine months)	$ 227,988	$ 16,740	$ 244,728
2020	236,511	22,024	258,535
2021	195,840	22,026	217,866
2022	126,628	7,364	133,992
2023	24,628	—	24,628
Thereafter	51,556	—	51,556
Total lease payments	863,151	68,154	931,305
Less: Imputed interest	(133,776)	(7,402)	(141,178)
Total	729,375	60,752	790,127
Less: Current portion	(237,533)	(18,349)	(255,882)
Long-term portion of lease obligations	$ 491,842	$ 42,403	$ 534,245

9.Long-Term Debt and Finance Lease Obligations

Fair Value of our Long-Term Debt

The following table summarizes the carrying amount and fair value of our debt facilities as of March 31, 2019 and December 31, 2018:

	As of March 31, 2019		December 31, 2018	
	Carrying Amount	Fair Value	Carrying Amount	Fair Value
	(In thousands)			
7 7/8% Senior Notes due 2019 (1)	$ 1,295,007	$ 1,317,501	$ 1,317,372	$ 1,343,298

5 1/8% Senior Notes due 2020	1,100,000	1,110,670	1,100,000	1,089,957
6 3/4% Senior Notes due 2021	2,000,000	2,064,620	2,000,000	1,974,940
5 7/8% Senior Notes due 2022	2,000,000	1,941,280	2,000,000	1,833,140
5% Senior Notes due 2023	1,500,000	1,359,270	1,500,000	1,247,445
5 7/8% Senior Notes due 2024	2,000,000	1,693,000	2,000,000	1,611,960
2 3/8% Convertible Notes due 2024	1,000,000	822,950	1,000,000	801,200
7 3/4% Senior Notes due 2026	2,000,000	1,748,960	2,000,000	1,653,720
3 3/8% Convertible Notes due 2026	3,000,000	2,544,060	3,000,000	2,436,690
Other notes payable	31,232	31,232	39,715	39,715
Subtotal	15,926,239	$ 14,633,543	15,957,087	$ 14,032,065
Unamortized debt discount on the Convertible Notes	(810,023)		(833,906)	
Unamortized deferred financing costs and other debt discounts, net	(35,136)		(37,388)	
Finance lease obligations (2)	60,752		66,984	
Total long-term debt and finance lease obligations (including current portion)	$ 15,141,832		$ 15,152,777	

(1) During the year ended December 31, 2018 and the three months ended March 31, 2019, we repurchased $83 million and $22 million, respectively, of our 7 7/8% Senior Notes due 2019 in open market trades. The remaining balance of $1.295 billion matures on September 1, 2019.

(2) Disclosure regarding fair value of finance leases is not required.

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We estimated the fair value of our publicly traded long-term debt using market prices in less active markets (Level 2).

10.Commitments and Contingencies

Commitments

Since 2008, we have directly invested over $11 billion to acquire certain wireless spectrum licenses and related assets and made over $10 billion in non-controlling investments in certain entities, for a total of over $21 billion, as described further below.

DISH Network Spectrum

We have directly invested over $11 billion to acquire certain wireless spectrum licenses and related assets.

700 MHz Licenses. In 2008, we paid $712 million to acquire certain 700 MHz E Block ("700 MHz") wireless spectrum licenses, which were granted to us by the FCC in February 2009. These licenses are subject to certain build-out requirements. By March 2020, we must provide signal coverage and offer service to at least 70% of the population in each of our E Block license areas (the "700 MHz Build-Out Requirement"). If the 700 MHz Build-Out Requirement is not met with respect to any particular E Block license area, our authorization may terminate for the geographic portion of that license area in which we are not providing service. In addition to the 700 MHz Build-Out Requirement deadline in March 2020, these wireless spectrum licenses also expire in March 2020 unless they are renewed by the FCC. There can be no assurances that the FCC will renew these wireless spectrum licenses.

AWS-4 Licenses. On March 2, 2012, the FCC approved the transfer of 40 MHz of wireless spectrum licenses held by DBSD North America, Inc. ("DBSD North America") and TerreStar Networks, Inc. ("TerreStar") to us. On March 9, 2012, we completed the acquisition of 100% of the equity of reorganized DBSD North America (the "DBSD Transaction") and substantially all of the assets of TerreStar (the "TerreStar Transaction"), pursuant to which we

acquired, among other things, certain satellite assets and wireless spectrum licenses held by DBSD North America and TerreStar. The total consideration to acquire the DBSD North America and TerreStar assets was approximately $2.860 billion.

On February 15, 2013, the FCC issued an order, which became effective on March 7, 2013, modifying our licenses to expand our terrestrial operating authority with AWS-4 authority ("AWS-4"). These licenses are subject to certain build-out requirements. By March 2020, we are required to provide terrestrial signal coverage and offer terrestrial service to at least 70% of the population in each area covered by an individual license (the "AWS-4 Build-Out Requirement"). If the AWS-4 Build-Out Requirement is not met with respect to any particular individual license, our terrestrial authorization for that license area may terminate. The FCC's December 20, 2013 order also conditionally waived certain FCC rules for our AWS-4 licenses to allow us to repurpose all 20 MHz of our uplink spectrum (2000-2020 MHz) for terrestrial downlink operations. On June 1, 2016, we notified the FCC that we had elected to use our AWS-4 uplink spectrum for terrestrial downlink operations, and effective June 7, 2016, the FCC modified our AWS-4 licenses, resulting in all 40 MHz of our AWS-4 spectrum being designated for terrestrial downlink operations. These wireless spectrum licenses expire in March 2023 unless they are renewed by the FCC. There can be no assurances that the FCC will renew these wireless spectrum licenses.

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H Block Licenses. On April 29, 2014, the FCC issued an order granting our application to acquire all 176 wireless spectrum licenses in the H Block auction. We paid approximately $1.672 billion to acquire these H Block licenses, including clearance costs associated with the lower H Block spectrum. The H Block licenses are subject to certain build-out requirements. By April 2022, we must provide reliable signal coverage and offer service to at least 75% of the population in each area covered by an individual H Block license (the "H Block Build-Out Requirement"). If the H Block Build-Out Requirement is not met, our authorization for each H Block license area in which we do not meet the requirement may terminate. These wireless spectrum licenses expire in April 2024 unless they are renewed by the FCC. There can be no assurances that the FCC will renew these wireless spectrum licenses.

600 MHz Licenses. The broadcast incentive auction in the 600 MHz frequency range ("Auction 1000") began on March 29, 2016 and concluded on March 30, 2017. On April 13, 2017, the FCC announced that ParkerB.com Wireless L.L.C. ("ParkerB.com"), a wholly-owned subsidiary of DISH Network, was the winning bidder for 486 wireless spectrum licenses (the "600 MHz Licenses") with aggregate winning bids totaling approximately $6.211 billion. On April 27, 2017, ParkerB.com filed an application with the FCC to acquire the 600 MHz Licenses. On July 1, 2016, we paid $1.5 billion to the FCC as a deposit for Auction 1000. On May 11, 2017, we paid the remaining balance of our winning bids of approximately $4.711 billion. On June 14, 2017, the FCC issued an order granting ParkerB.com's application to acquire the 600 MHz Licenses.

The 600 MHz Licenses are subject to certain interim and final build-out requirements. By June 2023, we must provide reliable signal coverage and offer wireless service to at least 40% of the population in each area covered by an individual 600 MHz License (the "600 MHz Interim Build-Out Requirement"). By June 2029, we must provide reliable signal coverage and offer wireless service to at least 75% of the population in each area covered by an individual 600 MHz License (the "600 MHz Final Build-Out Requirement"). If the 600 MHz Interim Build-Out Requirement is not met, the 600 MHz License term and the 600 MHz Final Build-Out Requirement may be accelerated by two years (from June 2029 to June 2027) for each 600 MHz License area in which we do not meet the requirement. If the 600 MHz Final Build-Out Requirement is not met, our authorization for each 600 MHz License area in which we do not meet the requirement may terminate. In addition, certain broadcasters will have up to 39 months (ending July 13, 2020) to relinquish their 600 MHz spectrum, which may impact the timing for our ability to commence operations using certain 600 MHz Licenses. The FCC has issued the 600 MHz Licenses prior to the clearance of the spectrum, and the build-out deadlines are based on the date that the 600 MHz Licenses were issued to us, not the date that the spectrum is cleared. These wireless spectrum licenses expire in June 2029 unless they are renewed by the FCC. There can be no assurances that the FCC will renew these wireless spectrum licenses.

MVDDS Licenses. We have multichannel video distribution and data service ("MVDDS") licenses in 82 out of 214 geographical license areas, including Los Angeles, New York City, Chicago and several other major metropolitan areas. By August 2014, we were required to meet certain FCC build-out requirements related to our MVDDS licenses, and we are subject to certain FCC service rules applicable to these licenses. In January 2015, the FCC

granted our application to extend the build-out requirements related to our MVDDS licenses. We now have until the third quarter 2019 to provide “substantial service” on our MVDDS licenses. Our MVDDS licenses may be terminated if we do not provide substantial service in accordance with the new build-out requirements. These wireless spectrum licenses expire in August 2024 unless they are renewed by the FCC. There can be no assurances that the FCC will renew these wireless spectrum licenses.

In 2016, the MVDDS 5G Coalition, of which we are a member, filed a petition for rulemaking requesting the FCC to consider updating the rules to allow us to provide two-way 5G services using our MVDDS licenses. We cannot predict when or if the FCC will grant the petition and proceed with a rulemaking. If the FCC adopts rules that would allow us to provide two-way 5G services using our MVDDS licenses, the requests of OneWeb and others for authority to use the band for service from NGSO satellite systems may hinder our ability to provide 5G services using our MVDDS licenses.

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LMDS Licenses. As a result of the completion of the share exchange on February 28, 2017, we acquired from EchoStar certain Local Multipoint Distribution Service ("LMDS") licenses in four markets: Cheyenne, Kansas City, Phoenix, and San Diego. The "substantial service" milestone has been met with respect to each of the licenses. In addition, through the FCC's Spectrum Frontiers proceeding, a portion of each of our LMDS licenses were reassigned to the Upper Microwave Flexible Use Service band (27.5-28.35 GHz), which will allow for a more flexible use of the licenses, including, among other things, 5G mobile operations. These wireless spectrum licenses have been renewed by the FCC through September 2028. There can be no assurances that the FCC will renew these wireless spectrum licenses.

Commercialization of Our Wireless Spectrum Licenses and Related Assets. In March 2017, we notified the FCC that we plan to deploy a next-generation 5G-capable network, focused on supporting narrowband IoT. We expect to complete the First Phase by March 2020, with subsequent phases to be completed thereafter. As of March 31, 2019, we had entered into vendor contracts with multiple parties for, among other things, base stations, chipsets, modules, tower leases, the core network, RF design, and deployment services for the First Phase. Among other things, initial RF design in connection with the First Phase is now complete, we have secured certain tower sites, and we are in the process of identifying and securing additional tower sites. The core network has been installed and commissioned. We installed the first base stations on sites in 2018, and plan to continue deployment until complete. We currently expect expenditures for our wireless projects to be between $500 million and $1.0 billion through 2020. We expect the Second Phase to follow once the 3GPP Release 16 is standardized and as our plans for our other spectrum holdings develop, we plan to upgrade and expand our network to full 5G to support new use cases. We currently expect expenditures for the Second Phase to be approximately $10 billion.

We will need to make significant additional investments or partner with others to, among other things, commercialize, build-out, and integrate these licenses and related assets, and any additional acquired licenses and related assets; and comply with regulations applicable to such licenses. Depending on the nature and scope of such commercialization, build-out, integration efforts, and regulatory compliance, any such investments or partnerships could vary significantly. In addition, as we consider our options for the commercialization of our wireless spectrum, we will incur significant additional expenses and will have to make significant investments related to, among other things, research and development, wireless testing and wireless network infrastructure. We may also determine that additional wireless spectrum licenses may be required to commercialize our wireless business and to compete with other wireless service providers. For example, on September 18, 2018, we filed an application with the FCC to participate as a bidder in the FCC's auction of Upper Microwave Flexible Use Service licenses in the 27.5–28.35 GHz bands ("Auction 101") and 24.25–24.45 and 24.75–25.25 GHz bands ("Auction 102" and collectively with Auction 101, "Auctions 101 & 102"). On October 10, 2018, the FCC announced that a subsidiary of DISH Network and 25 other applicants were qualified to participate in Auction 101 and that a subsidiary of DISH Network and 33 other applicants were qualified to participate in Auction 102. Auction 101 commenced on November 14, 2018 and concluded January 24, 2019.

Auction 102 commenced on March 14, 2019 and concluded on April 17, 2019. The FCC determined that bidding in these auctions will be “anonymous,” which means that prior to and during the course of the auctions, the FCC will not make public any information about a specific applicant’s upfront deposit or its bids. In addition, FCC rules restrict information that bidders may disclose about their participation in the auctions.

On July 9, 2018, the FCC sent us a letter inquiring about our progress toward meeting certain build-out milestones by March 2020, which is publicly available on the FCC’s website. On September 21, 2018, we filed a response letter with the FCC regarding our progress toward meeting certain build-out milestones. We will continue to update the FCC about our progress on the First Phase. There is no assurance that the FCC will find our build-out, including the First Phase, sufficient to meet the build-out requirements to which our wireless spectrum licenses are subject.

We may need to raise significant additional capital in the future to fund the efforts described above, which may not be available on acceptable terms or at all. There can be no assurance that we will be able to develop and implement a business model that will realize a return on these wireless spectrum licenses or that we will be able to profitably deploy the assets represented by these wireless spectrum licenses, which may affect the carrying amount of these assets and our future financial condition or results of operations.

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DISH Network Non-Controlling Investments in the Northstar Entities and the SNR Entities Related to AWS-3 Wireless Spectrum Licenses

Non-Controlling Investments

During 2015, through our wholly-owned subsidiaries American II and American III, we initially made over $10 billion in certain non-controlling investments in Northstar Spectrum, the parent company of Northstar Wireless, and in SNR HoldCo, the parent company of SNR Wireless, respectively. Under the applicable accounting guidance in ASC 810, Northstar Spectrum and SNR HoldCo are considered variable interest entities and, based on the characteristics of the structure of these entities and in accordance with the applicable accounting guidance, we consolidate these entities into our financial statements. See Note 2 for further information.

Northstar Investment. Through American II, we own a non-controlling interest in Northstar Spectrum, which is comprised of 85% of the Class B Common Interests and 100% of the Class A Preferred Interests of Northstar Spectrum. Northstar Manager is the sole manager of Northstar Spectrum and owns a controlling interest in Northstar Spectrum, which is comprised of 15% of the Class B Common Interests of Northstar Spectrum. As of March 31, 2018, the total equity contributions from American II and Northstar Manager to Northstar Spectrum were approximately $7.621 billion and $133 million, respectively. As of March 31, 2018, the total loans from American II to Northstar Wireless under the Northstar Credit Agreement (as defined below) for payments to the FCC related to the Northstar Licenses (as defined below) were approximately $500 million. See below for further information.

SNR Investment. Through American III, we own a non-controlling interest in SNR HoldCo, which is comprised of 85% of the Class B Common Interests and 100% of the Class A Preferred Interests of SNR HoldCo. SNR Management is the sole manager of SNR HoldCo and owns a controlling interest in SNR HoldCo, which is comprised of 15% of the Class B Common Interests of SNR HoldCo. As of March 31, 2018, the total equity contributions from American III and SNR Management to SNR HoldCo were approximately $5.590 billion and $93 million, respectively. As of March 31, 2018, the total loans from American III to SNR Wireless under the SNR Credit Agreement (as defined below) for payments to the FCC related to the SNR Licenses (as defined below) were approximately $500 million. See below for further information.

AWS-3 Auction

Northstar Wireless and SNR Wireless each filed applications with the FCC to participate in Auction 97 (the "AWS-3 Auction") for the purpose of acquiring certain AWS-3 Licenses. Each of Northstar Wireless and SNR Wireless applied to receive bidding credits of 25% as designated entities under applicable FCC rules.

Northstar Wireless was the winning bidder for AWS-3 Licenses with gross winning bid amounts totaling approximately $7.845 billion, which after taking into account a 25% bidding credit, was approximately $5.884 billion. SNR Wireless was the winning bidder for AWS-3 Licenses with gross winning bid amounts totaling approximately $5.482 billion, which after taking into account a 25% bidding credit, was approximately $4.112 billion. In addition to the net winning bids, SNR Wireless made a bid withdrawal payment of approximately $8 million.

FCC Order and October 2015 Arrangements. On August 18, 2015, the FCC released a Memorandum Opinion and Order, FCC 15-104 (the "Order") in which the FCC determined, among other things, that DISH Network has a controlling interest in, and is an affiliate of, Northstar Wireless and SNR Wireless, and therefore DISH Network's revenues should be attributed to them, which in turn makes Northstar Wireless and SNR Wireless ineligible to receive the 25% bidding credits (approximately $1.961 billion for Northstar Wireless and $1.370 billion for SNR Wireless).

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DISH NETWORK CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS - Continued

(Unaudited)

Letters Exchanged between Northstar Wireless and the FCC Wireless Bureau. As outlined in letters exchanged between Northstar Wireless and the Wireless Telecommunications Bureau of the FCC (the "FCC Wireless Bureau"), Northstar Wireless paid the gross winning bid amounts for 261 AWS-3 Licenses (the "Northstar Licenses") totaling approximately $5.619 billion through the application of funds already on deposit with the FCC. Northstar Wireless also notified the FCC that it would not be paying the gross winning bid amounts for 84 AWS-3 Licenses totaling approximately $2.226 billion.

As a result of the nonpayment of those gross winning bid amounts, the FCC retained those licenses and Northstar Wireless owed the FCC an additional interim payment of approximately $334 million (the "Northstar Interim Payment"), which is equal to 15% of $2.226 billion. The Northstar Interim Payment was recorded as an expense during the fourth quarter 2015. Northstar Wireless immediately satisfied the Northstar Interim Payment through the application of funds already on deposit with the FCC and an additional loan from American II of approximately $69 million. As a result, the FCC will not deem Northstar Wireless to be a "current defaulter" under applicable FCC rules.

In addition, the FCC Wireless Bureau acknowledged that Northstar Wireless' nonpayment of those gross winning bid amounts does not constitute action involving gross misconduct, misrepresentation or bad faith. Therefore, the FCC concluded that such nonpayment will not affect the eligibility of Northstar Wireless, its investors (including DISH Network) or their respective affiliates to participate in future spectrum auctions (including Auction 1000 and any re-auction of the AWS-3 licenses retained by the FCC). At this time, DISH Network (through itself, a subsidiary or another entity in which it may hold a direct or indirect interest) expects to participate in any re-auction of those AWS-3 licenses.

If the winning bids from re-auction or other award of the AWS-3 licenses retained by the FCC are greater than or equal to the winning bids of Northstar Wireless, no additional amounts will be owed to the FCC. However, if those winning bids are less than the winning bids of Northstar Wireless, then Northstar Wireless will be responsible for the difference less any overpayment of the Northstar Interim Payment (which will be recalculated as 15% of the winning bids from re-auction or other award) (the "Northstar Re-Auction Payment"). For example, if the winning bids in a re-auction are $1, the Northstar Re-Auction Payment would be approximately $1.892 billion, which is calculated as the difference between $2.226 billion (the Northstar winning bid amounts) and $1 (the winning bids from re-auction) less the resulting $334 million overpayment of the Northstar Interim Payment. As discussed above, at this time, DISH Network (through itself, a subsidiary or another entity in which it may hold a direct or indirect interest) expects to participate in any re-auction. We cannot predict with any degree of certainty the timing or outcome of any re-auction or the amount of any Northstar Re-Auction Payment.

DISH Network Guaranty in Favor of the FCC for Certain Northstar Wireless Obligations. On October 1, 2015, DISH Network entered into a guaranty in favor of the FCC (the "FCC Northstar Guaranty") with respect to the Northstar Interim Payment (which was satisfied on October 1, 2015) and any Northstar Re-Auction Payment. The FCC Northstar Guaranty provides, among other things, that during the period between the due date for the payments guaranteed under the FCC Northstar Guaranty and the date such guaranteed payments are paid: (i) Northstar Wireless' payment obligations to American II under the Northstar Credit Agreement will be subordinated to such guaranteed payments; and (ii) DISH Network or American II will withhold exercising certain rights as a creditor of Northstar Wireless.

Letters Exchanged between SNR Wireless and the FCC Wireless Bureau. As outlined in letters exchanged between SNR Wireless and the FCC Wireless Bureau, SNR Wireless paid the gross winning bid amounts for 244 AWS-3 Licenses (the "SNR Licenses") totaling approximately $4.271 billion through the application of funds already on deposit with the FCC and a portion of an additional loan from American III in an aggregate amount of approximately $344 million (which included an additional bid withdrawal payment of approximately $3 million). SNR Wireless also notified the FCC that it would not be paying the gross winning bid amounts for 113 AWS-3 Licenses totaling approximately $1.211 billion.

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NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS - Continued

(Unaudited)

As a result of the nonpayment of those gross winning bid amounts, the FCC retained those licenses and SNR Wireless owed the FCC an additional interim payment of approximately $182 million (the "SNR Interim Payment"), which is equal to 15% of $1.211 billion. The SNR Interim Payment was recorded as an expense during the fourth quarter 2015. SNR Wireless immediately satisfied the SNR Interim Payment through a portion of an additional loan from American III in an aggregate amount of approximately $344 million. As a result, the FCC will not deem SNR Wireless to be a "current defaulter" under applicable FCC rules.

In addition, the FCC Wireless Bureau acknowledged that SNR Wireless' nonpayment of those gross winning bid amounts does not constitute action involving gross misconduct, misrepresentation or bad faith. Therefore, the FCC concluded that such nonpayment will not affect the eligibility of SNR Wireless, its investors (including DISH Network) or their respective affiliates to participate in future spectrum auctions (including Auction 1000 and any re-auction of the AWS-3 licenses retained by the FCC). At this time, DISH Network (through itself, a subsidiary or another entity in which it may hold a direct or indirect interest) expects to participate in any re-auction of those AWS-3 licenses.

If the winning bids from re-auction or other award of the AWS-3 licenses retained by the FCC are greater than or equal to the winning bids of SNR Wireless, no additional amounts will be owed to the FCC. However, if those winning bids are less than the winning bids of SNR Wireless, then SNR Wireless will be responsible for the difference less any overpayment of the SNR Interim Payment (which will be recalculated as 15% of the winning bids from re-auction or other award) (the "SNR Re-Auction Payment"). For example, if the winning bids in a re-auction are $1, the SNR Re-Auction Payment would be approximately $1.029 billion, which is calculated as the difference between $1.211 billion (the SNR winning bid amounts) and $1 (the winning bids from re-auction) less the resulting $182 million overpayment of the SNR Interim Payment. As discussed above, at this time, DISH Network (through itself, a subsidiary or another entity in which it may hold a direct or indirect interest) expects to participate in any re-auction. We cannot predict with any degree of certainty the timing or outcome of any re-auction or the amount of any SNR Re-Auction Payment.

DISH Network Guaranty in Favor of the FCC for Certain SNR Wireless Obligations. On October 1, 2015, DISH Network entered into a guaranty in favor of the FCC (the "FCC SNR Guaranty") with respect to the SNR Interim Payment (which was satisfied on October 1, 2015) and any SNR Re-Auction Payment. The FCC SNR Guaranty provides, among other things, that during the period between the due date for the payments guaranteed under the FCC SNR Guaranty and the date such guaranteed payments are paid: (i) SNR Wireless' payment obligations to American III under the SNR Credit Agreement will be subordinated to such guaranteed payments; and (ii) DISH Network or American III will withhold exercising certain rights as a creditor of SNR Wireless.

FCC Licenses. On October 27, 2015, the FCC granted the Northstar Licenses to Northstar Wireless and the SNR Licenses to SNR Wireless, respectively, which are recorded in “FCC authorizations” on our Condensed Consolidated Balance Sheets. The AWS-3 Licenses are subject to certain interim and final build-out requirements. By October 2021, Northstar Wireless and SNR Wireless must provide reliable signal coverage and offer service to at least 40% of the population in each area covered by an individual AWS-3 License (the “AWS-3 Interim Build-Out Requirement”). By October 2027, Northstar Wireless and SNR Wireless must provide reliable signal coverage and offer service to at least 75% of the population in each area covered by an individual AWS-3 License (the “AWS-3 Final Build-Out Requirement”). If the AWS-3 Interim Build-Out Requirement is not met, the AWS-3 License term and the AWS-3 Final Build-Out Requirement may be accelerated by two years (from October 2027 to October 2025) for each AWS-3 License area in which Northstar Wireless and SNR Wireless do not meet the requirement. If the AWS-3 Final Build-Out Requirement is not met, the authorization for each AWS-3 License area in which Northstar Wireless and SNR Wireless do not meet the requirement may terminate. These wireless spectrum licenses expire in October 2027 unless they are renewed by the FCC. There can be no assurances that the FCC will renew these wireless spectrum licenses.

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(Unaudited)

Qui Tam. On September 23, 2016, the United States District Court for the District of Columbia unsealed a qui tam complaint that was filed by Vermont National Telephone Company against us; our wholly-owned subsidiaries, American AWS-3 Wireless I L.L.C., American II, American III, and DISH Wireless Holding L.L.C.; Charles W. Ergen (our Chairman) and Cantey M. Ergen (a member of our board of directors); Northstar Wireless; Northstar Spectrum; Northstar Manager; SNR Wireless; SNR HoldCo; SNR Management; and certain other parties. See "Contingencies – Litigation – Vermont National Telephone Company" for further information.

D.C. Circuit Court Opinion. On August 29, 2017, the United States Court of Appeals for the District of Columbia Circuit (the "D.C. Circuit") in SNR Wireless LicenseCo, LLC, et al. v. Federal Communications Commission, 868 F.3d 1021 (D.C. Cir. 2017) (the "Appellate Decision") affirmed the Order in part, and remanded the matter to the FCC to give Northstar Wireless and SNR Wireless an opportunity to seek to negotiate a cure of the issues identified by the FCC in the Order (a "Cure"). On January 26, 2018, SNR Wireless and Northstar Wireless filed a petition for a writ of certiorari, asking the United States Supreme Court to hear an appeal from the Appellate Decision, which the United States Supreme Court denied on June 25, 2018.

Order on Remand. On January 24, 2018, the FCC released an Order on Remand, DA 18-70 (the "Order on Remand") purporting to establish a procedure to afford Northstar Wireless and SNR Wireless the opportunity to implement a Cure pursuant to the Appellate Decision. The Order on Remand provided that Northstar Wireless and SNR Wireless each had until April 24, 2018 to file the necessary documentation to demonstrate that, in light of such changes, each of Northstar Wireless and SNR Wireless qualifies for the very small business bidding credit that it sought in the AWS-3 Auction. Additionally, the Order on Remand provides that if either Northstar Wireless or SNR Wireless needs additional time to negotiate new or amended agreements, it may request to extend the deadline for such negotiations for an additional 45 days (extending the deadline to June 8, 2018). On April 16, 2018, the FCC approved Northstar Wireless' and SNR Wireless' requests to extend the deadline for such negotiations for an additional 45 days to June 8, 2018. On June 8, 2018, Northstar Wireless and SNR Wireless each filed amended agreements to demonstrate that, in light of such changes, each of Northstar Wireless and SNR Wireless qualifies for the very small business bidding credit that it sought in the AWS-3 Auction. The Order on Remand also provided, among other things, until July 23, 2018 for certain third-parties to file comments about any changes to the agreements proposed by Northstar Wireless and SNR Wireless and several third-parties filed comments (with one opposition). On October 22, 2018, Northstar Wireless and SNR Wireless filed a response to the third-party comments.

Northstar Wireless and SNR Wireless have submitted eleven separate requests for meetings with the FCC regarding a Cure. To date, with the lone exception of the Office of former Commissioner Mignon Clyburn, the parties have been refused an audience with the Commissioners and staff of the FCC. Northstar Wireless and SNR Wireless have filed a Joint Application for Review of the Order on Remand requesting, among other things, an iterative negotiation process with the FCC regarding a Cure, which was denied on July 12, 2018. We cannot predict with any degree of certainty the timing or outcome of these proceedings.

Northstar Operative Agreements

Northstar LLC Agreement. Northstar Spectrum is governed by a limited liability company agreement by and between American II and Northstar Manager (the "Northstar Spectrum LLC Agreement"). Pursuant to the Northstar Spectrum LLC Agreement, American II and Northstar Manager made pro-rata equity contributions in Northstar Spectrum.

On March 31, 2018, American II, Northstar Spectrum, and Northstar Manager amended and restated the Northstar Spectrum LLC Agreement, to, among other things: (i) exchange $6.870 billion of the amounts outstanding and owed by Northstar Wireless to American II pursuant to the Northstar Credit Agreement (as defined below) for 6,870,493 Class A Preferred Interests in Northstar Spectrum (the "Northstar Preferred Interests"); (ii) replace the existing investor protection provisions with the investor protections described by the FCC in Baker Creek Communications, LLC, Memorandum Opinion and Order, 13 FCC Rcd 18709, 18715 (1998); (iii) delete the obligation of Northstar Manager to consult with American II regarding budgets and business plans; and (iv) remove the requirement that Northstar Spectrum's systems be interoperable with ours.

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(Unaudited)

The Northstar Preferred Interests: (a) are non-voting; (b) have a 12 percent mandatory quarterly distribution, which can be paid in cash or additional face amount of Northstar Preferred Interests at the sole discretion of Northstar Manager; and (c) have a liquidation preference equal to the then-current face amount of the Northstar Preferred Interests plus accrued and unpaid mandatory quarterly distributions in the event of certain liquidation events or deemed liquidation events (e.g., a merger or dissolution of Northstar Spectrum, or a sale of substantially all of Northstar Spectrum's assets). As a result of the exchange noted in (i) above, a principal amount of $500 million of debt remains under the Northstar Credit Agreement, as described below.

On June 7, 2018, American II, Northstar Spectrum, and Northstar Manager amended and restated the Second Amended and Restated Limited Liability Company Agreement, dated March 31, 2018, by and among American II, Northstar Spectrum, and Northstar Manager, to, among other things: (i) reduce the mandatory quarterly distribution for the Northstar Preferred Interests from 12 percent to eight percent from and after June 7, 2018; (ii) increase the window for Northstar Manager to "put" its interest in Northstar Spectrum to Northstar Spectrum after October 27, 2020 from 30 days to 90 days; (iii) provide an additional 90-day window for Northstar Manager to put its interest in Northstar Spectrum to Northstar Spectrum commencing on October 27, 2021; (iv) provide a right for Northstar Manager to require an appraisal of the fair market value of its interest in Northstar Spectrum at any time from October 27, 2022 through October 27, 2024, coupled with American II having the right to accept the offer to sell from Northstar Manager; (v) allow Northstar Manager to sell its interest in Northstar Spectrum without American II's consent any time after October 27, 2020 (previously October 27, 2025); (vi) allow Northstar Spectrum to conduct an initial public offering without American II's consent any time after October 27, 2022 (previously October 27, 2029); (vii) remove American II's rights of first refusal with respect to Northstar Manager's sale of its interest in Northstar Spectrum or Northstar Spectrum's sale of any AWS-3 Licenses; and (viii) remove American II's tag along rights with respect to Northstar Manager's sale of its interest in Northstar Spectrum.

Northstar Wireless Credit Agreement. On October 1, 2015, American II, Northstar Wireless and Northstar Spectrum amended the First Amended and Restated Credit Agreement dated October 13, 2014, by and among American II, as Lender, Northstar Wireless, as Borrower, and Northstar Spectrum, as Guarantor (as amended, the "Northstar Credit Agreement"), to provide, among other things, that: (i) the Northstar Interim Payment and any Northstar Re-Auction Payment will be made by American II directly to the FCC and will be deemed as loans under the Northstar Credit Agreement; (ii) the FCC is a third-party beneficiary with respect to American II's obligation to pay the Northstar Interim Payment and any Northstar Re-Auction Payment; (iii) in the event that the winning bids from re-auction or other award of the AWS-3 licenses retained by the FCC are less than the winning bids of Northstar Wireless, the purchaser, assignee or transferee of any AWS-3 Licenses from Northstar Wireless is obligated to pay its pro-rata share of the difference (and Northstar Wireless remains jointly and severally liable for such pro-rata share); and (iv) during the period between the due date for the payments guaranteed under the FCC Northstar Guaranty (as discussed below) and the date such guaranteed payments are paid, Northstar Wireless' payment obligations to American II under the Northstar Credit Agreement will be subordinated to such guaranteed payments.

On March 31, 2018, American II, Northstar Wireless, and Northstar Spectrum amended and restated the Northstar Credit Agreement, to, among other things: (i) lower the interest rate on the remaining $500 million principal balance under the Northstar Credit Agreement from 12 percent per annum to six percent per annum; (ii) eliminate the higher interest rate that would apply in the case of an event of default; and (iii) modify and/or remove certain obligations of Northstar Wireless to prepay the outstanding loan amounts.

On June 7, 2018, American II, Northstar Wireless, and Northstar Spectrum amended and restated the Northstar Credit Agreement to, among other things: (i) extend the maturity date on the remaining loan balance from seven years to 10 years; and (ii) remove the obligation of Northstar Wireless to obtain American II's consent for unsecured financing and equipment financing in excess of $25 million.

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(Unaudited)

SNR Operative Agreements

SNR LLC Agreement. SNR HoldCo is governed by a limited liability company agreement by and between American III and SNR Management (the "SNR HoldCo LLC Agreement"). Pursuant to the SNR HoldCo LLC Agreement, American III and SNR Management made pro-rata equity contributions in SNR HoldCo.

On March 31, 2018, American III, SNR Holdco, SNR Wireless Management, and John Muleta amended and restated the SNR HoldCo LLC Agreement, to, among other things: (i) exchange $5.065 billion of the amounts outstanding and owed by SNR Wireless to American III pursuant to the SNR Credit Agreement (as defined below) for 5,065,415 Class A Preferred Interests in SNR Holdco (the "SNR Preferred Interests"); (ii) replace the existing investor protection provisions with the investor protections described by the FCC in Baker Creek Communications, LLC, Memorandum Opinion and Order, 13 FCC Rcd 18709, 18715 (1998); (iii) delete the obligation of SNR Management to consult with American III regarding budgets and business plans; and (iv) remove the requirement that SNR Management's systems be interoperable with ours. The SNR Preferred Interests: (a) are non-voting; (b) have a 12 percent mandatory quarterly distribution, which can be paid in cash or additional face amount of SNR Preferred Interests at the sole discretion of SNR Management; and (c) have a liquidation preference equal to the then-current face amount of the SNR Preferred Interests plus accrued and unpaid mandatory quarterly distributions in the event of certain liquidation events or deemed liquidation events (e.g., a merger or dissolution of SNR Holdco, or a sale of substantially all of SNR Holdco's assets). As a result of the exchange noted in (i) above, a principal amount of $500 million of debt remains under the SNR Credit Agreement, as described below.

On June 7, 2018, American III, SNR Holdco, SNR Management, and John Muleta amended and restated the Second Amended and Restated Limited Liability Company Agreement, dated March 31, 2018, by and among American III, SNR Holdco, SNR Management and John Muleta, to, among other things: (i) reduce the mandatory quarterly distribution for the SNR Preferred Interests from 12 percent to eight percent from and after June 7, 2018; (ii) increase the window for SNR Management to "put" its interest in SNR Holdco to SNR Holdco after October 27, 2020 from 30 days to 90 days; (iii) provide an additional 90-day window for SNR Management to put its interest in SNR Holdco to SNR Holdco commencing on October 27, 2021; (iv) provide a right for SNR Management to require an appraisal of the fair market value of its interest in SNR Holdco at any time from October 27, 2022 through October 27, 2024, coupled with American III having the right to accept the offer to sell from SNR Management; (v) allow SNR Management to sell its interest in SNR Holdco without American III's consent any time after October 27, 2020 (previously October 27, 2025); (vi) allow SNR Holdco to conduct an initial public offering without American III's consent any time after October 27, 2022 (previously October 27, 2029); (vii) remove American III's rights of first refusal with respect to SNR Management's sale of its interest in SNR Holdco or SNR Holdco's sale of any AWS-3 Licenses; and (viii) remove American III's tag along rights with respect to SNR Management's sale of its interest in SNR Holdco.

SNR Credit Agreement. On October 1, 2015, American III, SNR Wireless and SNR HoldCo amended the First Amended and Restated Credit Agreement dated October 13, 2014, by and among American III, as Lender, SNR Wireless, as Borrower, and SNR HoldCo, as Guarantor (as amended, the "SNR Credit Agreement"), to provide, among other things, that: (i) the SNR Interim Payment and any SNR Re-Auction Payment will be made by American III directly to the FCC and will be deemed as loans under the SNR Credit Agreement; (ii) the FCC is a third-party beneficiary with respect to American III's obligation to pay the SNR Interim Payment and any SNR Re-Auction Payment; (iii) in the event that the winning bids from re-auction or other award of the AWS-3 licenses retained by the FCC are less than the winning bids of SNR Wireless, the purchaser, assignee or transferee of any AWS-3 Licenses from SNR Wireless is obligated to pay its pro-rata share of the difference (and SNR Wireless remains jointly and severally liable for such pro-rata share); and (iv) during the period between the due date for the payments guaranteed under the FCC SNR Guaranty (as discussed below) and the date such guaranteed payments are paid, SNR Wireless' payment obligations to American III under the SNR Credit Agreement will be subordinated to such guaranteed payments.

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On March 31, 2018, American III, SNR Wireless, and SNR Holdco amended and restated the SNR Credit Agreement, to, among other things: (i) lower the interest rate on the remaining $500 million principal balance under the SNR Credit Agreement from 12 percent per annum to six percent per annum; (ii) eliminate the higher interest rate that would apply in the case of an event of default; and (iii) modify and/or remove certain obligations of SNR Wireless to prepay the outstanding loan amounts.

On June 7, 2018, American III, SNR Wireless, and SNR Holdco amended and restated the SNR Credit Agreement to, among other things: (i) extend the maturity date on the remaining loan balance from seven years to 10 years; and (ii) remove the obligation of SNR Wireless to obtain American III's consent for unsecured financing and equipment financing in excess of $25 million.

The Northstar Entities and/or the SNR Entities may need to raise significant additional capital in the future, which may be obtained from third party sources or from us, so that the Northstar Entities and the SNR Entities may commercialize, build-out and integrate the Northstar Licenses and the SNR Licenses, comply with regulations applicable to the Northstar Licenses and the SNR Licenses, and make any potential Northstar Re-Auction Payment and SNR Re-Auction Payment for the AWS-3 licenses retained by the FCC. Depending upon the nature and scope of such commercialization, build-out, integration efforts, regulatory compliance, and potential Northstar Re-Auction Payment and SNR Re-Auction Payment, any loans, equity contributions or partnerships could vary significantly. There can be no assurance that we will be able to obtain a profitable return on our non-controlling investments in the Northstar Entities and the SNR Entities.

Guarantees

During the third quarter 2009, EchoStar entered into a satellite transponder service agreement for Nimiq 5 through 2024. We sublease this capacity from EchoStar and also guarantee a certain portion of EchoStar's obligation under its satellite transponder service agreement through 2019. As of March 31, 2019, the remaining obligation of our guarantee was $37 million.

As of March 31, 2019, we have not recorded a liability on the balance sheet for this guarantee.

Contingencies

Separation Agreement

On January 1, 2008, we completed the distribution of our technology and set-top box business and certain infrastructure assets (the “Spin-off”) into a separate publicly-traded company, EchoStar. In connection with the Spin-off, we entered into a separation agreement with EchoStar that provides, among other things, for the division of certain liabilities, including liabilities resulting from litigation. Under the terms of the separation agreement, EchoStar has assumed certain liabilities that relate to its business, including certain designated liabilities for acts or omissions that occurred prior to the Spin-off. Certain specific provisions govern intellectual property related claims under which, generally, EchoStar will only be liable for its acts or omissions following the Spin-off and we will indemnify EchoStar for any liabilities or damages resulting from intellectual property claims relating to the period prior to the Spin-off, as well as our acts or omissions following the Spin-off. On February 28, 2017, we and EchoStar and certain of our respective subsidiaries completed the transactions contemplated by the Share Exchange Agreement (the “Share Exchange Agreement”) that was previously entered into on January 31, 2017 (the “Share Exchange”), pursuant to which certain assets that were transferred to EchoStar in the Spin-off were transferred back to us. The Share Exchange Agreement contains additional indemnification provisions between us and EchoStar for certain liabilities and legal proceedings.

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(Unaudited)

Litigation

We are involved in a number of legal proceedings (including those described below) concerning matters arising in connection with the conduct of our business activities. Many of these proceedings are at preliminary stages, and many of these proceedings seek an indeterminate amount of damages. We regularly evaluate the status of the legal proceedings in which we are involved to assess whether a loss is probable or there is a reasonable possibility that a loss or an additional loss may have been incurred and to determine if accruals are appropriate. If accruals are not appropriate, we further evaluate each legal proceeding to assess whether an estimate of the possible loss or range of possible loss can be made.

For certain cases described on the following pages, management is unable to provide a meaningful estimate of the possible loss or range of possible loss because, among other reasons, (i) the proceedings are in various stages; (ii) damages have not been sought; (iii) damages are unsupported and/or exaggerated; (iv) there is uncertainty as to the outcome of pending appeals or motions; (v) there are significant factual issues to be resolved; and/or (vi) there are novel legal issues or unsettled legal theories to be presented or a large number of parties. For these cases, however, management does not believe, based on currently available information, that the outcomes of these proceedings will have a material adverse effect on our financial condition, though the outcomes could be material to our operating results for any particular period, depending, in part, upon the operating results for such period.

Blue Spike, LLC

On July 6, 2018, Blue Spike, LLC ("Blue Spike") filed a complaint against us and our wholly-owned subsidiaries DISH Network L.L.C. and Dish Network Service L.L.C. in the United States District Court for the Eastern District of Texas. The complaint alleges infringement of Reissued United States Patent RE44,222E1 (the "222 patent"), entitled "Methods, systems and devices for packet watermarking and efficient provisioning of bandwidth"; Reissued United States Patent RE44,307 (the "307 patent"), entitled "Methods, systems and devices for packet watermarking and efficient provisioning of bandwidth"; and United States Patent Nos. 7,287,275B2 (the "275 patent"), entitled "Methods, systems and devices for packet watermarking and efficient provisioning of bandwidth"; 8,473,746 (the "746 patent"), entitled "Methods, systems and devices for packet watermarking and efficient provisioning of bandwidth"; 8,224,705 (the "705 patent"), entitled "Methods, systems and devices for packet watermarking and efficient provisioning of bandwidth"; 7,475,246 (the "246 patent"), entitled "Secure personal content server"; 8,739,295B2 (the "295 patent"), entitled "Secure personal content server"; 9,021,602 (the "602 patent"), entitled "Data Protection and Device"; 9,104,842 (the "842 patent"), entitled "Data Protection and Device"; 9,934,408 (the "408 patent"), entitled "Secure personal content server"; 7,159,116B2 (the "116 patent"), entitled "Systems, methods and devices for trusted transactions"; and 8,538,011B2 (the "011 patent"), entitled "Systems, methods and devices for trusted transactions." On September 5, 2018, pursuant to a joint motion of

the parties, the Court ordered the case transferred to the United States District Court for the District of Delaware. In a First Amended Complaint filed on October 12, 2018, Blue Spike dropped its claims for infringement of the 222 patent, the 307 patent, the 275 patent, the 705 patent, and the 746 patent. On November 11, 2018, Blue Spike dismissed its complaint.

On January 28, 2019, Blue Spike, along with Blue Spike International, Ltd. and Wistaria Trading Ltd., filed a new action against us and our wholly-owned subsidiaries DISH Network L.L.C. and Dish Network Service L.L.C. in the United States District Court for the District of Delaware. The complaint alleges infringement of the 246 patent, the 295 patent, the 408 patent, the 116 patent, the 011 patent, the 602 patent and the 842 patent, all of which were asserted in the prior action. On March 29, 2019, the plaintiffs filed a First Amended Complaint, which dropped their claims arising from the 116 patent and the 011 patent.

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DISH NETWORK CORPORATION

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(Unaudited)

We intend to vigorously defend this case. In the event that a court ultimately determines that we infringe the asserted patents, we may be subject to substantial damages, which may include treble damages, and/or an injunction that could require us to materially modify certain features that we currently offer to consumers. We cannot predict with any degree of certainty the outcome of the suit or determine the extent of any potential liability or damages. Each of the plaintiffs is an entity that seeks to license a patent portfolio without itself practicing any of the claims recited therein.

ClearPlay, Inc.

On March 13, 2014, ClearPlay, Inc. ("ClearPlay") filed a complaint against us, our wholly-owned subsidiary DISH Network L.L.C., EchoStar, and its then wholly-owned subsidiary EchoStar Technologies L.L.C., in the United States District Court for the District of Utah. The complaint alleges infringement of United States Patent Nos. 6,898,799 (the "799 patent"), entitled "Multimedia Content Navigation and Playback"; 7,526,784 (the "784 patent"), entitled "Delivery of Navigation Data for Playback of Audio and Video Content"; 7,543,318 (the "318 patent"), entitled "Delivery of Navigation Data for Playback of Audio and Video Content"; 7,577,970 (the "970 patent"), entitled "Multimedia Content Navigation and Playback"; and 8,117,282 (the "282 patent"), entitled "Media Player Configured to Receive Playback Filters From Alternative Storage Mediums." ClearPlay alleges that the AutoHop™ feature of our Hopper set-top box infringes the asserted patents. On February 11, 2015, the case was stayed pending various third-party challenges before the United States Patent and Trademark Office regarding the validity of certain of the patents asserted in the action. In those third-party challenges, the United States Patent and Trademark Office found that all claims of the 282 patent are unpatentable, and that certain claims of the 784 patent and 318 patent are unpatentable. ClearPlay appealed as to the 784 patent and the 318 patent, and on August 23, 2016, the United States Court of Appeals for the Federal Circuit affirmed the findings of the United States Patent and Trademark Office. On October 31, 2016, the stay was lifted. No trial date has been set.

We intend to vigorously defend this case. In the event that a court ultimately determines that we infringe the asserted patents, we may be subject to substantial damages, which may include treble damages, and/or an injunction that could require us to materially modify certain features that we currently offer to consumers. We cannot predict with any degree of certainty the outcome of the suit or determine the extent of any potential liability or damages.

Contemporary Display LLC

On June 4, 2018, Contemporary Display LLC ("Contemporary") filed a complaint against us in the United States District Court for the Western District of Texas. The complaint alleges infringement of United States Patent No.

6,028,643 (the “643 patent”), entitled “Multiple-Screen Video Adapter with Television Tuner”; United States Patent No. 6,429,903 (the “903 patent”), entitled “Video Adapter for Supporting at Least One Television Monitor”; United States Patent No. 6,492,997 (the “997 patent”), entitled “Method and System for Providing Selectable Programming in a Multi-Screen Mode”; United States Patent No. 7,500,202 (the “202 patent”), “Remote Control for Navigating Through Content in an Organized and Categorized Fashion”; and United States Patent No. 7,809,842 (the “842 patent”), entitled “Transferring Sessions Between Devices.” The 643 patent and the 903 patent are directed to video adapters for use with multiple displays. The 997 patent is directed to a system for presenting multiple video programs on a display device simultaneously. The 202 patent is directed to a remote control for interacting with a set-top box having programmable features and “operational controls” on at least three sides of the remote control. The 842 patent is directed to a system for managing online communication sessions between multiple devices. Contemporary is an entity that seeks to license a patent portfolio without itself practicing any of the claims recited therein.

In a First Amended Complaint filed on August 6, 2018, Contemporary added our wholly-owned subsidiary DISH Network L.L.C. as a defendant. In a Second Amended Complaint filed on October 9, 2018, Contemporary named only our wholly-owned subsidiary DISH Network L.L.C. as a defendant and dropped certain indirect infringement allegations.

We intend to vigorously defend this case. In the event that a court ultimately determines that we infringe the asserted patents, we may be subject to substantial damages, which may include treble damages, and/or an injunction that could require us to materially modify certain features that we currently offer to consumers. We cannot predict with any degree of certainty the outcome of the suit or determine the extent of any potential liability or damages.

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Customedia Technologies, L.L.C.

On February 10, 2016, Customedia Technologies, L.L.C. (“Customedia”) filed a complaint against us and our wholly-owned subsidiary DISH Network L.L.C. in the United States District Court for the Eastern District of Texas. The complaint alleges infringement of four patents: United States Patent No. 8,719,090 (the “090 patent”); United States Patent No. 9,053,494 (the “494 patent”); United States Patent No. 7,840,437 (the “437 patent”); and United States Patent No. 8,955,029 (the “029 patent”). Each patent is entitled “System for Data Management And On-Demand Rental And Purchase Of Digital Data Products.” Customedia alleges infringement in connection with our addressable advertising services, our DISH Anywhere feature, and our Pay-Per-View and video-on-demand offerings. Customedia is an entity that seeks to license a patent portfolio without itself practicing any of the claims recited therein.

In December 2016 and January 2017, DISH Network L.L.C. filed petitions with the United States Patent and Trademark Office challenging the validity of the asserted claims of each of the asserted patents. On June 12, 2017, the United States Patent and Trademark Office agreed to institute proceedings on our petitions challenging the 090 patent and the 437 patent; on July 18, 2017, it agreed to institute proceedings on our petitions challenging the 029 patent; and on July 28, 2017, it agreed to institute proceedings on our petitions challenging the 494 patent. These instituted proceedings cover all asserted claims of each of the asserted patents. The litigation in the District Court has been stayed since August 8, 2017 pending resolution of the proceedings at the United States Patent and Trademark Office.

Pursuant to an agreement between the parties, on December 20, 2017, DISH Network L.L.C. dismissed its petitions challenging the 029 patent in the United States Patent and Trademark Office, and on January 9, 2018, the parties dismissed their claims, counterclaims and defenses as to that patent in the litigation. On March 5, 2018, the United States Patent and Trademark Office conducted a trial on the remaining petitions. On June 11, 2018, the United States Patent and Trademark Office issued final written decisions on DISH Network L.L.C.’s petitions challenging the 090 patent and it invalidated all of the asserted claims. On July 25, 2018, the United States Patent and Trademark Office issued final written decisions on DISH Network L.L.C.’s petitions challenging the 437 patent and the 494 patent and it invalidated all of the asserted claims. Customedia has filed notices of appeal from all of the final written decisions adverse to it, and DISH Network L.L.C. cross-appealed to the extent that its petitions were not successful. On February 6, 2019, the Court of Appeals granted DISH Network L.L.C.’s motion to dismiss its cross-appeals related to the 090 patent and, on February 26, 2019, granted DISH Network L.L.C.’s motion to dismiss its cross-appeals related to the 437 patent.

We intend to vigorously defend this case. In the event that a court ultimately determines that we infringe the asserted patents, we may be subject to substantial damages, which may include treble damages, and/or an injunction that could require us to materially modify certain features that we currently offer to consumers. We cannot predict with any degree of certainty the outcome of the suit or determine the extent of any potential liability or damages.

Multimedia Content Management LLC

On July 25, 2018, Multimedia Content Management LLC (“Multimedia”) filed a complaint against us in the United States District Court for the Western District of Texas. Multimedia alleges that we infringe United States Patent No. 8,799,468 (the “468 patent”), entitled “System for Regulating Access to and Distributing Content in a Network,” and United States Patent No. 9,465,925 (the “925 patent”), entitled “System for Regulating Access to and Distributing Content in a Network,” in connection with impulse pay per view content offerings on certain set-top boxes. Multimedia is an entity that seeks to license a patent portfolio without itself practicing any of the claims recited therein. On April 23, 2019, we filed petitions with the United States Patent and Trademark Office challenging the validity of the asserted claims of each of the asserted patents.

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We intend to vigorously defend this case. In the event that a court ultimately determines that we infringe the asserted patents, we may be subject to substantial damages, which may include treble damages, and/or an injunction that could require us to materially modify certain features that we currently offer to consumers. We cannot predict with any degree of certainty the outcome of the suit or determine the extent of any potential liability or damages.

Realtime Data LLC and Realtime Adaptive Streaming LLC

On June 6, 2017, Realtime Data LLC d/b/a IXO ("Realtime") filed an amended complaint in the United States District Court for the Eastern District of Texas (the "Original Texas Action") against us; our wholly-owned subsidiaries DISH Network L.L.C., DISH Technologies L.L.C. (then known as EchoStar Technologies L.L.C.), Sling TV L.L.C. and Sling Media L.L.C.; EchoStar, and EchoStar's wholly-owned subsidiary Hughes Network Systems, L.L.C. ("HNS"); and Arris Group, Inc. Realtime's initial complaint in the Original Texas Action, filed on February 14, 2017, had named only EchoStar and HNS as defendants.

The amended complaint in the Original Texas Action alleges infringement of United States Patent No. 8,717,204 (the "204 patent"), entitled "Methods for encoding and decoding data"; United States Patent No. 9,054,728 (the "728 patent"), entitled "Data compression systems and methods"; United States Patent No. 7,358,867 (the "867 patent"), entitled "Content independent data compression method and system"; United States Patent No. 8,502,707 (the "707 patent"), entitled "Data compression systems and methods"; United States Patent No. 8,275,897 (the "897 patent"), entitled "System and methods for accelerated data storage and retrieval"; United States Patent No. 8,867,610 (the "610 patent"), entitled "System and methods for video and audio data distribution"; United States Patent No. 8,934,535 (the "535 patent"), entitled "Systems and methods for video and audio data storage and distribution"; and United States Patent No. 8,553,759 (the "759 patent"), entitled "Bandwidth sensitive data compression and decompression." Realtime alleges that DISH, Sling TV, Sling Media and Arris streaming video products and services compliant with various versions of the H.264 video compression standard infringe the 897 patent, the 610 patent and the 535 patent, and that the data compression system in Hughes' products and services infringe the 204 patent, the 728 patent, the 867 patent, the 707 patent and the 759 patent.

On July 19, 2017, the Court severed Realtime's claims against us, DISH Network L.L.C., Sling TV L.L.C., Sling Media L.L.C. and Arris Group, Inc. (alleging infringement of the 897 patent, the 610 patent and the 535 patent) from the Original Texas Action into a separate action in the United States District Court for the Eastern District of Texas (the "Second Texas Action"). On August 31, 2017, Realtime dismissed the claims against us, Sling TV L.L.C., Sling Media Inc., and Sling Media L.L.C. from the Second Texas Action and refiled these claims (alleging infringement of the 897 patent, the 610 patent and the 535 patent) against Sling TV L.L.C., Sling Media Inc., and Sling Media L.L.C. in a new action in the United States District Court for the District of Colorado (the "Colorado Action"). Also on August

31, 2017, Realtime dismissed DISH Technologies L.L.C. from the Original Texas Action, and on September 12, 2017, added it as a defendant in an amended complaint in the Second Texas Action. On November 6, 2017, Realtime filed a joint motion to dismiss the Second Texas Action without prejudice, which the Court entered on November 8, 2017.

On October 10, 2017, Realtime Adaptive Streaming LLC ("Realtime Adaptive Streaming") filed suit against our wholly-owned subsidiaries DISH Network L.L.C. and DISH Technologies L.L.C., as well as Arris Group, Inc., in a new action in the United States District Court for the Eastern District of Texas (the "Third Texas Action"), alleging infringement of the 610 patent and the 535 patent. Also on October 10, 2017, an amended complaint was filed in the Colorado Action, substituting Realtime Adaptive Streaming as the plaintiff instead of Realtime, and alleging infringement of only the 610 patent and the 535 patent, but not the 897 patent. On November 6, 2017, Realtime Adaptive Streaming filed a joint motion to dismiss the Third Texas Action without prejudice, which the court entered on November 8, 2017. Also on November 6, 2017, Realtime Adaptive Streaming filed a second amended complaint in the Colorado Action, adding our wholly-owned subsidiaries DISH Network L.L.C. and DISH Technologies L.L.C., as well as Arris Group, Inc., as defendants.

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As a result, neither we nor any of our subsidiaries is a defendant in the Original Texas Action; the Court has dismissed without prejudice the Second Texas Action and the Third Texas Action; and our wholly-owned subsidiaries DISH Network L.L.C., DISH Technologies L.L.C., Sling TV L.L.C. and Sling Media L.L.C. as well as Arris Group, Inc., are defendants in the Colorado Action, which now has Realtime Adaptive Streaming as the named plaintiff.

On July 3, 2018, Sling TV L.L.C., Sling Media L.L.C., DISH Network L.L.C., and DISH Technologies L.L.C. filed petitions with the United States Patent and Trademark Office challenging the validity of each of the asserted patents. On January 31, 2019, the United States Patent and Trademark Office agreed to institute proceedings on our petitions challenging all asserted claims of each of the asserted patents. On February 26, 2019, the district court agreed to stay the Colorado Action pending resolution of the petitions.

Realtime Adaptive Streaming is an entity that seeks to license an acquired patent portfolio without itself practicing any of the claims recited therein.

We intend to vigorously defend this case. In the event that a court ultimately determines that we infringe the asserted patents, we may be subject to substantial damages, which may include treble damages, and/or an injunction that could require us to materially modify certain features that we currently offer to consumers. We cannot predict with any degree of certainty the outcome of the suit or determine the extent of any potential liability or damages.

Telemarketing Litigation

On March 25, 2009, our wholly-owned subsidiary DISH Network L.L.C. was sued in a civil action by the United States Attorney General and several states in the United States District Court for the Central District of Illinois (the “FTC Action”), alleging violations of the Telephone Consumer Protection Act (“TCPA”) and the Telemarketing Sales Rule (“TSR”), as well as analogous state statutes and state consumer protection laws. The plaintiffs alleged that we, directly and through certain independent third-party retailers and their affiliates, committed certain telemarketing violations.

On December 23, 2013, the plaintiffs filed a motion for summary judgment, which indicated for the first time that the state plaintiffs were seeking civil penalties and damages of approximately $270 million and that the federal plaintiff was seeking an unspecified amount of civil penalties (which could substantially exceed the civil penalties and damages being sought by the state plaintiffs). The plaintiffs were also seeking injunctive relief that if granted would, among other things, enjoin DISH Network L.L.C., whether acting directly or indirectly through authorized telemarketers or independent third-party retailers, from placing any outbound telemarketing calls to market or promote its goods or services for five years, and enjoin DISH Network L.L.C. from accepting activations or sales from certain existing independent third-party retailers and from certain new independent third-party retailers, except under certain circumstances. We also filed a motion for summary judgment, seeking dismissal of all claims. On December 12, 2014, the Court issued its opinion with respect to the parties' summary judgment motions. The Court found that DISH Network L.L.C. was entitled to partial summary judgment with respect to one claim in the action. In addition, the Court found that the plaintiffs were entitled to partial summary judgment with respect to ten claims in the action, which included, among other things, findings by the Court establishing DISH Network L.L.C.'s liability for a substantial amount of the alleged outbound telemarketing calls by DISH Network L.L.C. and certain of its independent third-party retailers that were the subject of the plaintiffs' motion. The Court did not issue any injunctive relief and did not make any determination on civil penalties or damages, ruling instead that the scope of any injunctive relief and the amount of any civil penalties or damages were questions for trial.

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In pre-trial disclosures, the federal plaintiff indicated that it intended to seek up to $900 million in alleged civil penalties, and the state plaintiffs indicated that they intended to seek as much as $23.5 billion in alleged civil penalties and damages. The plaintiffs also modified their request for injunctive relief. Their requested injunction, if granted, would have enjoined DISH Network L.L.C. from placing outbound telemarketing calls unless and until: (i) DISH Network L.L.C. hired a third-party consulting organization to perform a review of its call center operations; (ii) such third-party consulting organization submitted a telemarketing compliance plan to the Court and the federal plaintiff; (iii) the Court held a hearing on the adequacy of the plan; (iv) if the Court approved the plan, DISH Network L.L.C. implemented the plan and verified to the Court that it had implemented the plan; and (v) the Court issued an order permitting DISH Network L.L.C. to resume placing outbound telemarketing calls. The plaintiffs' modified request for injunctive relief, if granted, would have also enjoined DISH Network L.L.C. from accepting customer orders solicited by certain independent third-party retailers unless and until a similar third-party review and Court approval process was followed with respect to the telemarketing activities of its independent third-party retailer base to ensure compliance with the TSR.

The first phase of the bench trial took place January 19, 2016 through February 11, 2016. In closing briefs, the federal plaintiff indicated that it still was seeking $900 million in alleged civil penalties; the California state plaintiff indicated that it was seeking $100 million in alleged civil penalties and damages for its state law claims (in addition to any amounts sought on its federal law claims); the Ohio state plaintiff indicated that it was seeking approximately $10 million in alleged civil penalties and damages for its state law claims (in addition to any amounts sought on its federal law claims); and the Illinois and North Carolina state plaintiffs did not state the specific alleged civil penalties and damages that they were seeking; but the state plaintiffs took the general position that any damages award less than $1.0 billion (presumably for both federal and state law claims) would not raise constitutional concerns. Under the Eighth Amendment of the United States Constitution, excessive fines may not be imposed.

On October 3, 2016, the plaintiffs further modified their request for injunctive relief, and were seeking, among other things, to enjoin DISH Network L.L.C., whether acting directly or indirectly through authorized telemarketers or independent third-party retailers, from placing any outbound telemarketing calls to market or promote its goods or services for five years, and enjoin DISH Network L.L.C. from accepting activations or sales from some or all existing independent third-party retailers. The second phase of the bench trial, which commenced on October 25, 2016 and concluded on November 2, 2016, covered the plaintiffs' requested injunctive relief, as well as certain evidence related to the state plaintiffs' claims.

On June 5, 2017, the Court issued Findings of Fact and Conclusions of Law and entered Judgment ordering DISH Network L.L.C. to pay an aggregate amount of $280 million to the federal and state plaintiffs. The Court also issued a Permanent Injunction (the "Injunction") against DISH Network L.L.C. that imposes certain ongoing compliance requirements on DISH Network L.L.C., which include, among other things: (i) the retention of a telemarketing-compliance expert to prepare a plan to ensure that DISH Network L.L.C. and certain independent

third-party retailers will continue to comply with telemarketing laws and the Injunction; (ii) certain telemarketing records retention and production requirements; and (iii) certain compliance reporting and monitoring requirements. In addition to the compliance requirements under the Injunction, within ninety (90) days after the effective date of the Injunction, DISH Network L.L.C. is required to demonstrate that it and certain independent third-party retailers are in compliance with the Safe Harbor Provisions of the TSR and TCPA and have made no prerecorded telemarketing calls during the five (5) years prior to the effective date of the Injunction (collectively, the "Demonstration Requirements"). If DISH Network L.L.C. fails to prove that it meets the Demonstration Requirements, it will be barred from conducting any outbound telemarketing for two (2) years. If DISH Network L.L.C. fails to prove that a particular independent third-party retailer meets the Demonstration Requirements, DISH Network L.L.C. will be barred from accepting orders from that independent third-party retailer for two (2) years. On July 3, 2017, DISH Network L.L.C. filed two motions with the Court: (1) to alter or amend the Judgment or in the alternative to amend the Findings of Fact and Conclusions of Law; and (2) to clarify, alter and amend the Injunction. On August 10, 2017, the Court: (a) denied the motion to alter or amend the Judgment or in the alternative to amend the Findings of Fact and Conclusions of Law; and (b) allowed, in part, the motion to clarify, alter and amend the Injunction, and entered an Amended Permanent Injunction (the "Amended Injunction").

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Among other things, the Amended Injunction provided DISH Network L.L.C. a thirty (30) day extension to meet the Demonstration Requirements, expanded the exclusion of certain independent third-party retailers from the Demonstration Requirements, and clarified that, with regard to independent third-party retailers, the Amended Injunction only applied to their telemarketing of DISH TV goods and services. On October 10, 2017, DISH Network L.L.C. filed a notice of appeal to the United States Court of Appeals for the Seventh Circuit, which heard oral argument on September 17, 2018.

During the second quarter 2017, we recorded $255 million of “Litigation expense” related to the FTC Action on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). We recorded $25 million of “Litigation expense” related to the FTC Action during periods prior to 2017. Our total accrual at March 31, 2019 and December 31, 2018 related to the FTC Action was $280 million and is included in “Other accrued expenses” on our Condensed Consolidated Balance Sheets. Any eventual payments made with respect to the FTC Action may not be deductible for tax purposes, which had a negative impact on our effective tax rate for the year ended December 31, 2017. The tax deductibility of any eventual payments made with respect to the FTC Action may change, based upon, among other things, further developments in the FTC Action, including final adjudication of the FTC Action.

We may also from time to time be subject to private civil litigation alleging telemarketing violations. For example, a portion of the alleged telemarketing violations by an independent third-party retailer at issue in the FTC Action are also the subject of a certified class action filed against DISH Network L.L.C. in the United States District Court for the Middle District of North Carolina (the “Krakauer Action”). Following a five-day trial, on January 19, 2017, a jury in that case found that the independent third-party retailer was acting as DISH Network L.L.C.’s agent when it made the 51,119 calls at issue in that case, and that class members are eligible to recover $400 in damages for each call made in violation of the TCPA. On March 7, 2017, DISH Network L.L.C. filed motions with the Court for judgment as a matter of law and, in the alternative, for a new trial, which the Court denied on May 16, 2017. On May 22, 2017, the Court ruled that the violations were willful and knowing, and trebled the damages award to $1,200 for each call made in violation of TCPA. On April 5, 2018, the Court entered a $61 million judgment in favor of the class. On May 4, 2018, DISH Network L.L.C. filed a notice of appeal to the United States Court of Appeals for the Fourth Circuit. The appeal has been calendared for oral argument on May 9, 2019 in Richmond. During the second quarter 2017, we recorded $41 million of “Litigation expense” related to the Krakauer Action on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). We recorded $20 million of “Litigation expense” related to the Krakauer Action during the fourth quarter 2016. Our total accrual related to the Krakauer Action at March 31, 2019 and December 31, 2018 was $61 million and is included in “Other accrued expenses” on our Condensed Consolidated Balance Sheets.

We intend to vigorously defend these cases. We cannot predict with any degree of certainty the outcome of these suits.

Telemarketing Shareholder Derivative Litigation

On October 19, 2017, Plumbers Local Union No. 519 Pension Trust Fund ("Plumbers Local 519"), a purported shareholder of the Company, filed a putative shareholder derivative action in the District Court for Clark County, Nevada alleging, among other things, breach of fiduciary duty claims against the following current and former members of the Company's Board of Directors: Charles W. Ergen; James DeFranco; Cantey M. Ergen; Steven R. Goodbarn; David K. Moskowitz; Tom A. Ortolf; Carl E. Vogel; George R. Brokaw; and Gary S. Howard (collectively, the "Director Defendants"). In its complaint, Plumbers Local 519 contends that, by virtue of their alleged failure to appropriately ensure the Company's compliance with telemarketing laws, the Director Defendants exposed the Company to liability for telemarketing violations, including those in the Krakauer Action. It also contends that the Director Defendants caused the Company to pay improper compensation and benefits to themselves and others who allegedly breached their fiduciary duties to the Company. Plumbers Local 519 alleges causes of action for breach of fiduciary duties of loyalty and good faith, gross mismanagement, abuse of control, corporate waste and unjust enrichment. Plumbers Local 519 is seeking an unspecified amount of damages.

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On November 13, 2017, City of Sterling Heights Police and Fire Retirement System ("Sterling Heights"), a purported shareholder of the Company, filed a putative shareholder derivative action in the District Court for Clark County, Nevada. Sterling Heights makes substantially the same allegations as Plumbers Union 519, and alleges causes of action against the Director Defendants for breach of fiduciary duty, waste of corporate assets and unjust enrichment. Sterling Heights is seeking an unspecified amount of damages. Pursuant to a stipulation of the parties, on January 4, 2018, the District Court agreed to consolidate the Sterling Heights action with the Plumbers Local 519 action, and on January 12, 2018, the plaintiffs filed an amended consolidated complaint that largely duplicates the original Plumbers Local 519 complaint. Our Board of Directors has established a Special Litigation Committee to review the factual allegations and legal claims in this action. On May 15, 2018, the District Court granted the Special Litigation Committee's motion to stay the case pending its investigation. The Special Litigation Committee's report was filed on November 27, 2018, and recommended that the Company not pursue the claims asserted by the derivative plaintiffs. On December 20, 2018, the Special Litigation Committee filed a motion for summary judgment seeking deferral to its determination that the claims should be dismissed, which, following a discovery period and further briefing, will be heard on November 4, 2019.

We cannot predict with any degree of certainty the outcome of these suits or determine the extent of any potential liability or damages.

TQ Delta, LLC

On July 17, 2015, TQ Delta, LLC ("TQ Delta") filed a complaint against us and our wholly-owned subsidiaries DISH DBS Corporation and DISH Network L.L.C. in the United States District Court for the District of Delaware. The Complaint alleges infringement of United States Patent No. 6,961,369 (the "369 patent"), which is entitled "System and Method for Scrambling the Phase of the Carriers in a Multicarrier Communications System"; United States Patent No. 8,718,158 (the "158 patent"), which is entitled "System and Method for Scrambling the Phase of the Carriers in a Multicarrier Communications System"; United States Patent No. 9,014,243 (the "243 patent"), which is entitled "System and Method for Scrambling Using a Bit Scrambler and a Phase Scrambler"; United States Patent No.7,835,430 (the "430 patent"), which is entitled "Multicarrier Modulation Messaging for Frequency Domain Received Idle Channel Noise Information"; United States Patent No. 8,238,412 (the "412 patent"), which is entitled "Multicarrier Modulation Messaging for Power Level per Subchannel Information"; United States Patent No. 8,432,956 (the "956 patent"), which is entitled "Multicarrier Modulation Messaging for Power Level per Subchannel Information"; and United States Patent No. 8,611,404 (the "404 patent"), which is entitled "Multicarrier Transmission System with Low Power Sleep Mode and Rapid-On Capability." On September 9, 2015, TQ Delta filed a first amended complaint that added allegations of infringement of United States Patent No. 9,094,268 (the "268 patent"), which is entitled "Multicarrier Transmission System With Low Power Sleep Mode and Rapid-On Capability." On May 16, 2016, TQ Delta filed a second amended complaint that added EchoStar Corporation and its then wholly-owned subsidiary EchoStar Technologies L.L.C. as defendants. TQ Delta alleges that our satellite TV service, Internet service, set-top boxes, gateways, routers, modems,

adapters and networks that operate in accordance with one or more Multimedia over Coax Alliance Standards infringe the asserted patents. TQ Delta has filed actions in the same court alleging infringement of the same patents against Comcast Corp., Cox Communications, Inc., DirecTV, Time Warner Cable Inc. and Verizon Communications, Inc. TQ Delta is an entity that seeks to license an acquired patent portfolio without itself practicing any of the claims recited therein.

On July 14, 2016, TQ Delta stipulated to dismiss with prejudice all claims related to the 369 patent and the 956 patent. On July 20, 2016, we filed petitions with the United States Patent and Trademark Office challenging the validity of all of the patent claims of the 404 patent and the 268 patent that have been asserted against us. Third parties have filed petitions with the United States Patent and Trademark Office challenging the validity of all of the patent claims that have been asserted against us in the action. On November 4, 2016, the United States Patent and Trademark Office agreed to institute proceedings on the third-party petitions related to the 158 patent, the 243 patent, the 412 patent and the 430 patent.

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On December 20, 2016, pursuant to a stipulation of the parties, the Court stayed the case until the resolution of all petitions to the United States Patent and Trademark Office challenging the validity of all of the patent claims at issue. On January 19, 2017, the United States Patent and Trademark Office granted our motions to join the instituted petitions on the 430 and 158 patents.

On February 9, 2017, the United States Patent and Trademark Office agreed to institute proceedings on our petition related to the 404 patent, and on February 13, 2017, the United States Patent and Trademark Office agreed to institute proceedings on our petition related to the 268 patent. On February 27, 2017, the United States Patent and Trademark Office granted our motions to join the instituted petitions on the 243 and 412 patents. On October 26, 2017, the United States Patent and Trademark Office issued final written decisions on the petitions challenging the 158 patent, the 243 patent, the 412 patent and the 430 patent, and it invalidated all of the asserted claims of those patents. On February 7, 2018, the United States Patent and Trademark Office issued final written decisions on the petitions challenging the 404 patent, and it invalidated all of the asserted claims of that patent on the basis of our petition. On February 10, 2018, the United States Patent and Trademark Office issued a final written decision on our petition challenging the 268 patent, and it invalidated all of the asserted claims. On March 12, 2018, the United States Patent and Trademark Office issued a final written decision on a third-party petition challenging the 268 patent, and it invalidated all of the asserted claims. All asserted claims have now been invalidated by the United States Patent and Trademark Office. TQ Delta has filed notices of appeal from the nine final written decisions adverse to it, and the United States Court of Appeals for the Federal Circuit has scheduled oral argument in several of the appeals on May 6-8, 2019.

We intend to vigorously defend this case. In the event that a court ultimately determines that we infringe the asserted patents, we may be subject to substantial damages, which may include treble damages, and/or an injunction that could require us to materially modify certain features that we currently offer to consumers. We cannot predict with any degree of certainty the outcome of the suit or determine the extent of any potential liability or damages.

Turner Network Sales

On October 6, 2017, Turner Network Sales, Inc. (“Turner”) filed a complaint against our wholly-owned subsidiary DISH Network L.L.C. in the United States District Court for the Southern District of New York. The operative First Amended Complaint alleges that DISH Network L.L.C. improperly calculated and withheld licensing fees owing to Turner in connection with its carriage of CNN and other networks. Turner claims damages of $183 million. On December 14, 2017, DISH Network L.L.C. filed its operative first amended counterclaims against Turner. In the counterclaims, DISH Network L.L.C. seeks a declaratory judgment that it properly calculated the licensing fees owed to Turner for carriage of CNN, and also alleges claims for unrelated breaches of the parties’ affiliation agreement.

We intend to vigorously defend this case. We cannot predict with any degree of certainty the outcome of the suit or determine the extent of any potential liability or damages.

Uniloc

On January 31, 2019, Uniloc 2017 LLC ("Uniloc") filed a complaint against our wholly-owned subsidiary Sling TV L.L.C. in the United States District Court for the District of Colorado. The Complaint alleges infringement of United States Patent No. 6,519,005 (the "005 patent"), which is entitled "Method of Concurrent Multiple-Mode Motion Estimation for Digital Video"; United States Patent No. 6,895,118 (the "118 patent"), which is entitled "Method of Coding Digital Image Based on Error Concealment"; United States Patent No. 9,721,273 (the "273 patent"), which is entitled "System and Method for Aggregating and Providing Audio and Visual Presentations Via a Computer Network"); and United States Patent No. 8,407,609 (the "609 patent"), which is entitled "System and Method for Providing and Tracking the Provision of Audio and Visual Presentations Via a Computer Network." Uniloc is an entity that seeks to license an acquired patent portfolio without itself practicing any of the claims recited therein.

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We intend to vigorously defend this case. In the event that a court ultimately determines that we infringe the asserted patents, we may be subject to substantial damages, which may include treble damages, and/or an injunction that could require us to materially modify certain features that we currently offer to consumers. We cannot predict with any degree of certainty the outcome of the suit or determine the extent of any potential liability or damages.

Vermont National Telephone Company

On September 23, 2016, the United States District Court for the District of Columbia unsealed a qui tam complaint that was filed by Vermont National Telephone Company ("Vermont National") against us; our wholly-owned subsidiaries, American AWS-3 Wireless I L.L.C., American II, American III, and DISH Wireless Holding L.L.C.; Charles W. Ergen (our Chairman) and Cantey M. Ergen (a member of our board of directors); Northstar Wireless; Northstar Spectrum; Northstar Manager; SNR Wireless; SNR HoldCo; SNR Management; and certain other parties. The complaint was unsealed after the United States Department of Justice notified the Court that it had declined to intervene in the action. The complaint is a civil action that was filed under seal on May 13, 2015 by Vermont National, which participated in the AWS-3 Auction through its wholly-owned subsidiary, VTel Wireless. The complaint alleges violations of the federal civil False Claims Act (the "FCA") based on, among other things, allegations that Northstar Wireless and SNR Wireless falsely claimed bidding credits of 25% in the AWS-3 Auction when they were allegedly under the de facto control of DISH Network and, therefore, were not entitled to the bidding credits as designated entities under applicable FCC rules. Vermont National seeks to recover on behalf of the United States government approximately $10 billion, which reflects the $3.3 billion in bidding credits that Northstar Wireless and SNR Wireless claimed in the AWS-3 Auction, trebled under the FCA. Vermont National also seeks civil penalties of not less than $5,500 and not more than $11,000 for each violation of the FCA. On March 2, 2017, the United States District Court for the District of Columbia entered a stay of the litigation until such time as the United States Court of Appeals for the District of Columbia (the "D.C. Circuit") issued its opinion in SNR Wireless LicenseCo, LLC, et al. v. F.C.C. The D.C. Circuit issued its opinion on August 29, 2017 and remanded the matter to the FCC for further proceedings. See "Commitments – DISH Network Non-Controlling Investments in the Northstar Entities and the SNR Entities Related to AWS-3 Wireless Spectrum Licenses" above for further information. Thereafter, the Court maintained the stay until it was lifted on October 26, 2018. On February 11, 2019, the Court granted Vermont National's unopposed motion for leave to file an amended complaint. On March 28, 2019, the defendants filed a motion to dismiss Vermont National's amended complaint.

We intend to vigorously defend this case. We cannot predict with any degree of certainty the outcome of this proceeding or determine the extent of any potential liability or damages.

Waste Disposal Inquiry

The California Attorney General and the Alameda County (California) District Attorney are investigating whether certain of our waste disposal policies, procedures and practices are in violation of the California Business and Professions Code and the California Health and Safety Code. We expect that these entities will seek injunctive and monetary relief. The investigation appears to be part of a broader effort to investigate waste handling and disposal processes of a number of industries. While we are unable to predict the outcome of this investigation, we do not believe that the outcome will have a material effect on our results of operations, financial condition or cash flows.

Other

In addition to the above actions, we are subject to various other legal proceedings and claims that arise in the ordinary course of business, including, among other things, disputes with programmers regarding fees. In our opinion, the amount of ultimate liability with respect to any of these actions is unlikely to materially affect our financial condition, results of operations or liquidity, though the outcomes could be material to our operating results for any particular period, depending, in part, upon the operating results for such period.

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(Unaudited)

11.Segment Reporting

Operating segments are components of an enterprise for which separate financial information is available and regularly evaluated by the chief operating decision maker(s) of an enterprise. Operating income is the primary measure used by our chief operating decision maker to evaluate segment operating performance. We currently operate two primary business segments: (1) Pay-TV; and (2) Wireless. See Note 1 for further information.

All other and eliminations primarily include intersegment eliminations related to intercompany debt and the related interest income and interest expense, which are eliminated in consolidation.

The total assets, revenue and operating income by segment were as follows:

	As of March 31, 2019	December 31, 2018
	(In thousands)	
Total assets:		
Pay-TV	$ 30,002,686	$ 28,981,608
Wireless	24,737,581	24,433,458
Eliminations	(23,053,890)	(22,828,054)
Total assets	$ 31,686,377	$ 30,587,012

	For the Three Months Ended March 31,	
	2019	2018
	(In thousands)	
Revenue:		
Pay-TV	$ 3,188,169	$ 3,458,487
Wireless	3	—
Eliminations	(1,028)	—
Total revenue	$ 3,187,144	$ 3,458,487

Operating income (loss):		
Pay-TV	$ 457,369	$ 539,302
Wireless	(1,069)	(9,796)
Eliminations	—	—
Total operating income (loss)	$ 456,300	$ 529,506

Geographic Information. Revenue is attributed to geographic regions based upon the location where the goods and services are provided. All subscriber-related revenue was derived from the United States. Substantially all of our long-lived assets reside in the United States.

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(Unaudited)

The following table summarizes revenue by geographic region:

Revenue:	For the Three Months Ended March 31, 2019	2018
	(In thousands)	
United States	$ 3,176,253	$ 3,449,016
Canada and Mexico	10,891	9,471
Total revenue	$ 3,187,144	$ 3,458,487

The revenue from external customers disaggregated by major revenue source was as follows:

Category:	For the Three Months Ended March 31, 2019	2018
	(In thousands)	
Pay-TV video and related revenue	$ 3,097,936	$ 3,347,597
Broadband revenue	49,834	75,107
Equipment sales and other revenue	39,374	35,783
Total	$ 3,187,144	$ 3,458,487

All revenues during the three months ended March 31, 2019 were derived from our Pay-TV segment.

12.Contract Balances

Our valuation and qualifying accounts as of March 31, 2019 were as follows:

Allowance for doubtful accounts Deductions

	Balance at Beginning of Period	Charged to Costs and Expenses		Balance at End of Period
	(In thousands)			
For the three months ended March 31, 2019	$ 16,966	$ 18,496	$ (16,495)	$ 18,967

Deferred revenue related to contracts with our customers is recorded in “Deferred revenue and other” and “Long-term deferred revenue and other long-term liabilities” on our Condensed Consolidated Balance Sheets. Changes in deferred revenue related to contracts with our customers were as follows:

	Contract Liabilities
	(In thousands)
Balance as of December 31, 2018	$ 635,018
Recognition of unearned revenue	(1,597,470)
Deferral of revenue	1,589,358
Balance as of March 31, 2019	$ 626,906

We apply a practical expedient and do not disclose the value of the remaining performance obligations for contracts that are less than one year in duration, which represent a substantial majority of our revenue. As such, the amount of revenue related to unsatisfied performance obligations is not necessarily indicative of our future revenue.

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13.Related Party Transactions

Related Party Transactions with EchoStar

Following the Spin-off, we and EchoStar have operated as separate publicly-traded companies and neither entity has any ownership interest in the other. However, a substantial majority of the voting power of the shares of both companies is owned beneficially by Charles W. Ergen, our Chairman, and by certain entities established by Mr. Ergen for the benefit of his family.

In connection with and following the Spin-off, we and EchoStar have entered into certain agreements pursuant to which we obtain certain products, services and rights from EchoStar, EchoStar obtains certain products, services and rights from us, and we and EchoStar have indemnified each other against certain liabilities arising from our respective businesses. Pursuant to the Share Exchange Agreement, among other things, EchoStar transferred to us certain assets and liabilities of the EchoStar technologies and EchoStar broadcasting businesses. In connection with the Share Exchange, we and EchoStar and certain of their subsidiaries entered into certain agreements covering, among other things, tax matters, employee matters, intellectual property matters and the provision of transitional services. In addition, certain agreements that we had with EchoStar have terminated, and we entered into certain new agreements with EchoStar. We also may enter into additional agreements with EchoStar in the future. The following is a summary of the terms of our principal agreements with EchoStar that may have an impact on our financial condition and results of operations.

“Trade accounts receivable”

As of March 31, 2019 and December 31, 2018, trade accounts receivable from EchoStar was $3 million and $4 million, respectively. These amounts are recorded in “Trade accounts receivable” on our Condensed Consolidated Balance Sheets.

“Trade accounts payable”

As of March 31, 2019 and December 31, 2018, trade accounts payable to EchoStar was $22 million and $14 million, respectively. These amounts are recorded in “Trade accounts payable” on our Condensed Consolidated Balance Sheets.

“Equipment sales and other revenue”

During the three months ended March 31, 2019 and 2018, we received $2 million and $4 million, respectively, for services provided to EchoStar. These amounts are recorded in “Equipment sales and other revenue” on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). The agreements pertaining to these revenues are discussed below.

Real Estate Lease Agreements. We have entered into lease agreements pursuant to which we lease certain real estate to EchoStar. The rent on a per square foot basis for each of the leases is comparable to per square foot rental rates of similar commercial property in the same geographic areas, and EchoStar is responsible for its portion of the taxes, insurance, utilities and maintenance of the premises. The term of each lease is set forth below:

- El Paso Lease Agreement. During 2012, we began leasing certain space at 1285 Joe Battle Blvd., El Paso, Texas to EchoStar for an initial period ending on August 1, 2015, which also provides EchoStar with renewal options for four consecutive three-year terms. During the second quarter 2015, EchoStar exercised its first renewal option for a period ending on August 1, 2018 and in April 2018 EchoStar exercised its second renewal option for a period ending in August 2021.

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- 90 Inverness Lease Agreement. In connection with the completion of the Share Exchange, effective March 1, 2017, EchoStar leases certain space from us at 90 Inverness Circle East, Englewood, Colorado for a period ending in February 2022. EchoStar has the option to renew this lease for four three-year periods.

- Cheyenne Lease Agreement. In connection with the completion of the Share Exchange, effective March 1, 2017, EchoStar leases certain space from us at 530 EchoStar Drive, Cheyenne, Wyoming for a period ending in February 2019. In August 2018, EchoStar exercised its option to renew this lease for a one-year period ending in February 2020. EchoStar has the option to renew this lease for twelve one-year periods.

- Gilbert Lease Agreement. In connection with the completion of the Share Exchange, effective March 1, 2017, EchoStar leases certain space from us at 801 N. DISH Dr., Gilbert, Arizona for a period ending in March 2019. In August 2018, EchoStar exercised its option to renew this lease for a one-year period ending in February 2020. EchoStar has the option to renew this lease for twelve one-year periods.

- American Fork Occupancy License Agreement. In connection with the completion of the Share Exchange, effective March 1, 2017, we acquired the lease for certain space at 796 East Utah Valley Drive, American Fork, Utah, and we sublease certain space at this location to EchoStar for a period ending in August 2017. In June 2017, EchoStar exercised its five-year renewal option for a period ending in August 2022.

Collocation and Antenna Space Agreements. In connection with the completion of the Share Exchange, effective March 1, 2017, we entered into certain agreements pursuant to which we will provide certain collocation and antenna space to HNS through February 2022 at the following locations: Cheyenne, Wyoming; Gilbert, Arizona; New Braunfels, Texas; Monee, Illinois; Englewood, Colorado; and Spokane, Washington. During August 2017, we entered into certain other agreements pursuant to which we will provide certain collocation and antenna space to HNS through August 2022 at the following locations: Monee, Illinois and Spokane, Washington. HNS has the option to renew each of these agreements for four three-year periods. HNS may terminate certain of these agreements with 180 days' prior written notice to us at the following locations: New Braunfels, Texas; Englewood, Colorado; and Spokane, Washington. The fees for the services provided under these agreements depend, among other things, on the number of racks leased and/or antennas present at the location.

"Subscriber-related expenses"

During the three months ended March 31, 2019 and 2018, we incurred $7 million and $13 million, respectively, of subscriber-related expenses for services provided to us by EchoStar. These amounts are recorded in "Subscriber-related expenses" on our Condensed Consolidated Statements of Operations and Comprehensive Income

(Loss). The agreements pertaining to these expenses are discussed below.

Hughes Broadband Distribution Agreement. Effective October 1, 2012, dishNET Satellite Broadband L.L.C. (“dishNET Satellite Broadband”), our indirect wholly-owned subsidiary, and HNS entered into a Distribution Agreement (the “Distribution Agreement”) pursuant to which dishNET Satellite Broadband has the right, but not the obligation, to market, sell and distribute the HNS satellite Internet service (the “Service”). dishNET Satellite Broadband pays HNS a monthly per subscriber wholesale service fee for the Service based upon the subscriber’s service level, and, beginning January 1, 2014, certain volume subscription thresholds. The Distribution Agreement also provides that dishNET Satellite Broadband has the right, but not the obligation, to purchase certain broadband equipment from HNS to support the sale of the Service. On February 20, 2014, dishNET Satellite Broadband and HNS amended the Distribution Agreement which, among other things, extended the initial term of the Distribution Agreement through March 1, 2024.

Thereafter, the Distribution Agreement automatically renews for successive one year terms unless either party gives written notice of its intent not to renew to the other party at least 180 days before the expiration of the then-current term. Upon expiration or termination of the Distribution Agreement, the parties will continue to provide the Service to the then-current dishNET subscribers pursuant to the terms and conditions of the Distribution Agreement.

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During the first quarter 2017, we transitioned our wholesale arrangement with Hughes under the Distribution Agreement to an authorized representative arrangement and entered into the MSA with HNS. See “Hughes Broadband Master Services Agreement” below for further information.

“Satellite and transmission expenses”

During the three months ended March 31, 2019 and 2018, we incurred expenses of $73 million and $85 million, respectively, for satellite capacity leased from EchoStar and telemetry, tracking and control and other professional services provided to us by EchoStar. EchoStar is a supplier of the vast majority of our transponder capacity. These amounts are recorded in “Satellite and transmission expenses” on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). The agreements pertaining to these expenses are discussed below.

Satellite Capacity Leased from EchoStar. We have entered into certain satellite capacity agreements pursuant to which we lease certain capacity on certain satellites owned or leased by EchoStar. The fees for the services provided under these satellite capacity agreements depend, among other things, upon the orbital location of the applicable satellite, the number of transponders that are leased on the applicable satellite and the length of the lease. See “Pay-TV Satellites” in Note 7 for further information. The term of each lease is set forth below:

- EchoStar VII, X, XI and XIV. On March 1, 2014, we began leasing all available capacity from EchoStar on the EchoStar VII, X, XI and XIV satellites. The term of each satellite capacity agreement generally terminates upon the earlier of: (i) the end-of-life of the satellite; (ii) the date the satellite fails; or (iii) a certain date, which depends upon, among other things, the estimated useful life of the satellite. We generally have the option to renew each satellite capacity agreement on a year-to-year basis through the end of the respective satellite’s life. There can be no assurance that any options to renew such agreements will be exercised. The satellite capacity agreement for EchoStar VII expired on June 30, 2018.

- EchoStar IX. We lease certain satellite capacity from EchoStar on EchoStar IX. Subject to availability, we generally have the right to continue to lease satellite capacity from EchoStar on EchoStar IX on a month-to-month basis.

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EchoStar XVI. In December 2009, we entered into a transponder service agreement with EchoStar to lease all of the capacity on EchoStar XVI, a DBS satellite, after its service commencement date. EchoStar XVI was launched in November 2012 to replace EchoStar XV at the 61.5 degree orbital location and is currently in service. Effective December 21, 2012, we and EchoStar amended the transponder service agreement to, among other things, change the initial term to generally expire upon the earlier of: (i) the end-of-life or replacement of the satellite; (ii) the date the satellite fails; (iii) the date the transponder(s) on which service is being provided under the agreement fails; or (iv) four years following the actual service commencement date. In July 2016, we and EchoStar amended the transponder service agreement to, among other things, extend the initial term by one additional year and to reduce the term of the first renewal option by one year. Prior to expiration of the initial term, we had the option to renew for an additional five-year period. In May 2017, we exercised our first renewal option for an additional five-year period ending in January 2023. We also have the option to renew for an additional five-year period prior to expiration of the first renewal period in January 2023. There can be no assurance that the option to renew this agreement will be exercised. During 2018, we and EchoStar further amended the agreement to, among other things, allow us to place and use certain satellites at the 61.5 degree orbital location.

Nimiq 5 Agreement. During 2009, EchoStar entered into a fifteen-year satellite service agreement with Telesat Canada (“Telesat”) to receive service on all 32 DBS transponders on the Nimiq 5 satellite at the 72.7 degree orbital location (the “Telesat Transponder Agreement”). During 2009, EchoStar also entered into a satellite service agreement (the “DISH Nimiq 5 Agreement”) with us, pursuant to which we currently receive service from EchoStar on all 32 of the DBS transponders covered by the Telesat Transponder Agreement. We have also guaranteed certain obligations of EchoStar under the Telesat Transponder Agreement. See discussion under “Guarantees” in Note 10.

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Under the terms of the DISH Nimiq 5 Agreement, we make certain monthly payments to EchoStar that commenced in 2009 when the Nimiq 5 satellite was placed into service and continue through the service term. Unless earlier terminated under the terms and conditions of the DISH Nimiq 5 Agreement, the service term will expire ten years following the date the Nimiq 5 satellite was placed into service. Upon expiration of the initial term, we have the option to renew the DISH Nimiq 5 Agreement on a year-to-year basis through the end-of-life of the Nimiq 5 satellite. Upon in orbit failure or end-of-life of the Nimiq 5 satellite, and in certain other circumstances, we have certain rights to receive service from EchoStar on a replacement satellite. There can be no assurance that any options to renew the DISH Nimiq 5 Agreement will be exercised or that we will exercise our option to receive service on a replacement satellite.

QuetzSat-1 Lease Agreement. During 2008, EchoStar entered into a ten-year satellite service agreement with SES Latin America S.A. (“SES”), which provides, among other things, for the provision by SES to EchoStar of service on 32 DBS transponders on the QuetzSat-1 satellite. During 2008, EchoStar also entered into a transponder service agreement (“QuetzSat-1 Transponder Agreement”) with us pursuant to which we receive service from EchoStar on 24 DBS transponders. QuetzSat-1 was launched on September 29, 2011 and was placed into service during the fourth quarter 2011 at the 67.1 degree orbital location while we and EchoStar explored alternative uses for the QuetzSat-1 satellite. In the interim, EchoStar provided us with alternate capacity at the 77 degree orbital location. During the first quarter 2013, we and EchoStar entered into an agreement pursuant to which we sublease five DBS transponders back to EchoStar. In January 2013, QuetzSat-1 was moved to the 77 degree orbital location and we commenced commercial operations at that location in February 2013.

Unless earlier terminated under the terms and conditions of the QuetzSat-1 Transponder Agreement, the initial service term will expire in November 2021. Upon expiration of the initial term, we have the option to renew the QuetzSat-1 Transponder Agreement on a year-to-year basis through the end-of-life of the QuetzSat-1 satellite. Upon an in-orbit failure or end-of-life of the QuetzSat-1 satellite, and in certain other circumstances, we have certain rights to receive service from EchoStar on a replacement satellite. There can be no assurance that any options to renew the QuetzSat-1 Transponder Agreement will be exercised or that we will exercise our option to receive service on a replacement satellite.

103 Degree Orbital Location/SES-3. In May 2012, EchoStar entered into a spectrum development agreement (the “103 Spectrum Development Agreement”) with Ciel Satellite Holdings Inc. (“Ciel”) to develop certain spectrum rights at the 103 degree orbital location (the “103 Spectrum Rights”). In June 2013, we and EchoStar entered into a spectrum development agreement (the “DISH 103 Spectrum Development Agreement”) pursuant to which we may use and develop the 103 Spectrum Rights. Both the 103 Spectrum Development Agreement and DISH 103 Spectrum Development Agreement were terminated on March 31, 2018.

In connection with the 103 Spectrum Development Agreement, in May 2012, EchoStar also entered into a ten-year service agreement with Ciel pursuant to which EchoStar leases certain satellite capacity from Ciel on the SES-3 satellite at the 103 degree orbital location (the "103 Service Agreement"). In June 2013, we and EchoStar entered into an agreement pursuant to which we lease certain satellite capacity from EchoStar on the SES-3 satellite (the "DISH 103 Service Agreement"). Under the terms of the DISH 103 Service Agreement, we make certain monthly payments to EchoStar through the service term. Both the 103 Service Agreement and DISH 103 Service Agreement were terminated on March 31, 2018.

TT&C Agreement. Effective January 1, 2012, we entered into a telemetry, tracking and control ("TT&C") agreement pursuant to which we receive TT&C services from EchoStar for certain satellites (the "TT&C Agreement"). In February 2018, we amended the TT&C Agreement to, among other things, extend the term for one-year with four automatic one-year renewal periods. The fees for services provided under the TT&C Agreement are calculated at either: (i) a fixed fee; or (ii) cost plus a fixed margin, which will vary depending on the nature of the services provided. We and EchoStar are able to terminate the TT&C Agreement for any reason upon 12 months' notice.

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DBSD North America Agreement. On March 9, 2012, we completed the DBSD Transaction. During the second quarter 2011, EchoStar acquired Hughes. Prior to our acquisition of DBSD North America and EchoStar's acquisition of Hughes, DBSD North America and HNS entered into an agreement pursuant to which HNS provides, among other things, hosting, operations and maintenance services for DBSD North America's satellite gateway and associated ground infrastructure. This agreement generally may be terminated by us at any time for convenience.

TerreStar Agreement. On March 9, 2012, we completed the TerreStar Transaction. Prior to our acquisition of substantially all the assets of TerreStar and EchoStar's acquisition of Hughes, TerreStar and HNS entered into various agreements pursuant to which HNS provides, among other things, hosting, operations and maintenance services for TerreStar's satellite gateway and associated ground infrastructure. These agreements generally may be terminated by us at any time for convenience.

Hughes Equipment and Services Agreement. In February 2019, we and HNS entered into an agreement pursuant to which HNS will provide us with HughesNet Service and HughesNet equipment for the transmission of certain data related to our next-generation 5G-capable network, focused on supporting narrowband IoT. This agreement has an initial term of five years with automatic renewal for successive one-year terms unless terminated by DISH Network with at least 180 days' written notice to us or by us with at least 365 days' written notice to DISH Network.

"General and administrative expenses"

During each of the three months ended March 31, 2019 and 2018, we incurred $5 million for general and administrative expenses for services provided to us by EchoStar. These amounts are recorded in "General and administrative expenses" on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). The agreements pertaining to these expenses are discussed below.

Real Estate Lease Agreements. We have entered into lease agreements pursuant to which we lease certain real estate from EchoStar. The rent on a per square foot basis for each of the leases is comparable to per square foot rental rates of similar commercial property in the same geographic area, and EchoStar is responsible for its portion of the taxes, insurance, utilities and maintenance of the premises. The term of each lease is set forth below:

- Meridian Lease Agreement. The lease for all of 9601 S. Meridian Blvd. in Englewood, Colorado was for a period ending on December 31, 2018. In December 2018, we and EchoStar amended this lease to, among other things, extend the term thereof for one additional year until December 31, 2019.

- Santa Fe Lease Agreement. The lease for all of 5701 S. Santa Fe Dr. in Littleton, Colorado was for a period ending on December 31, 2018. In December 2018, we and EchoStar amended this lease to, among other things, extend the term thereof for one additional year until December 31, 2019.

- Cheyenne Lease Agreement. The lease for certain space at 530 EchoStar Drive in Cheyenne, Wyoming is for a period ending on December 31, 2031. In connection with the completion of the Share Exchange, EchoStar transferred ownership of a portion of this property to us, and, effective March 1, 2017, we and EchoStar amended this lease agreement to (i) terminate the lease of certain space at the portion of the property that was transferred to us and (ii) provide for the continued lease to us of certain space at the portion of the property that EchoStar retained.

- 100 Inverness Lease Agreement. In connection with the completion of the Share Exchange, effective March 1, 2017, we lease certain space from EchoStar at 100 Inverness Terrace East, Englewood, Colorado for a period ending in December 2020. This agreement may be terminated by either party upon 180 days' prior notice.

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Professional Services Agreement. Prior to 2010, in connection with the Spin-off, we entered into various agreements with EchoStar including the Transition Services Agreement, Satellite Procurement Agreement and Services Agreement, which all expired on January 1, 2010 and were replaced by a Professional Services Agreement. During 2009, we and EchoStar agreed that EchoStar shall continue to have the right, but not the obligation, to receive the following services from us, among others, certain of which were previously provided under the Transition Services Agreement: information technology, travel and event coordination, internal audit, legal, accounting and tax, benefits administration, program acquisition services and other support services. Additionally, we and EchoStar agreed that we shall continue to have the right, but not the obligation, to engage EchoStar to manage the process of procuring new satellite capacity for us (previously provided under the Satellite Procurement Agreement) and receive logistics, procurement and quality assurance services from EchoStar (previously provided under the Services Agreement) and other support services. The Professional Services Agreement renewed on January 1, 2018 for an additional one-year period until January 1, 2019 and renews automatically for successive one-year periods thereafter, unless terminated earlier by either party upon at least 60 days' notice. However, either party may terminate the Professional Services Agreement in part with respect to any particular service it receives for any reason upon at least 30 days' notice. In connection with the completion of the Share Exchange on February 28, 2017, DISH Network and EchoStar amended the Professional Services Agreement to, among other things, provide certain transition services to each other related to the Share Exchange Agreement.

Revenue for services provided by us to EchoStar under the Professional Services Agreement is recorded in "Equipment sales and other revenue" on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss).

Other Agreements - EchoStar

Tax Sharing Agreement. In connection with the Spin-off, we entered into a tax sharing agreement (the "Tax Sharing Agreement") with EchoStar which governs our respective rights, responsibilities and obligations after the Spin-off with respect to taxes for the periods ending on or before the Spin-off. Generally, all pre-Spin-off taxes, including any taxes that are incurred as a result of restructuring activities undertaken to implement the Spin-off, are borne by us, and we will indemnify EchoStar for such taxes. However, we are not liable for and will not indemnify EchoStar for any taxes that are incurred as a result of the Spin-off or certain related transactions failing to qualify as tax-free distributions pursuant to any provision of Section 355 or Section 361 of the Internal Revenue Code of 1986, as amended (the "Code") because of: (i) a direct or indirect acquisition of any of EchoStar's stock, stock options or assets; (ii) any action that EchoStar takes or fails to take; or (iii) any action that EchoStar takes that is inconsistent with the information and representations furnished to the Internal Revenue Service ("IRS") in connection with the request for the private letter ruling, or to counsel in connection with any opinion being delivered by counsel with respect to the Spin-off or certain related transactions. In such case, EchoStar is solely liable for, and will indemnify us for, any resulting taxes, as well as any losses, claims and expenses. The Tax Sharing Agreement will only terminate after the later of the full period of all applicable statutes of limitations, including extensions, or once all rights and obligations are fully effectuated or

performed.

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In light of the Tax Sharing Agreement, among other things, and in connection with our consolidated federal income tax returns for certain tax years prior to and for the year of the Spin-off, during the third quarter 2013, we and EchoStar agreed upon a supplemental allocation of the tax benefits arising from certain tax items resolved in the course of the IRS' examination of these consolidated tax returns. As a result, we agreed to pay EchoStar $84 million of the tax benefit we received or will receive. This resulted in a reduction of our recorded unrecognized tax benefits and this amount was reclassified to a long-term payable to EchoStar within "Long-term deferred revenue and other long-term liabilities" on our Consolidated Balance Sheets during the third quarter 2013. Any payment to EchoStar, including accrued interest, will be made at such time as EchoStar would have otherwise been able to realize such tax benefit. In addition, during the third quarter 2013, we and EchoStar agreed upon a tax sharing arrangement for filing certain combined state income tax returns and a method of allocating the respective tax liabilities between us and EchoStar for such combined returns, through the taxable period ending on December 31, 2017 (the "State Tax Arrangement"). During the third quarter 2018, we and EchoStar amended the Tax Sharing Agreement and the 2013 agreements (the "Amendment").

Under the Amendment, among other things, we are entitled to apply the benefit of EchoStar's 2009 net operating losses to our federal tax return for the year ended December 31, 2008, in exchange for paying EchoStar over time the value of the net annual federal income taxes paid by EchoStar that would have been otherwise offset by their 2009 net operating loss. In addition, the Amendment extends the term of the State Tax Arrangement for filing certain combined state income tax returns to the earlier to occur of (1) termination of the Tax Sharing Agreement, (2) a change in control of either us or EchoStar or, (3) for any particular state, if we and EchoStar no longer file a combined tax return for such state.

We and EchoStar file combined income tax returns in certain states. In 2015 and 2014, EchoStar earned and recognized a tax benefit for certain state income tax credits that EchoStar estimates it would be unable to utilize in the future if it had filed separately from us. In addition, EchoStar earned and recognized tax benefits for certain federal income tax credits, a portion of which were allocated to us under IRS rules for affiliated companies. We expect to utilize these tax credits to reduce our federal and state income tax payable in the future. In accordance with accounting rules that apply to transfers of assets between entities under common control, we recorded a capital contribution of less than $1 million for the year ended December 31, 2018 in "Additional paid-in capital" on our Condensed Consolidated Balance Sheets representing the amount that we estimate is more likely than not to be realized by us as a result of our utilization of these tax credits earned. Any payments made to EchoStar related to the utilization of these credits will be recorded as a reduction to "Additional paid-in capital" on our Condensed Consolidated Balance Sheets.

Tax Matters Agreement. In connection with the completion of the Share Exchange, we and EchoStar entered into a Tax Matters Agreement, which governs certain rights, responsibilities and obligations with respect to taxes of the Transferred Businesses pursuant to the Share Exchange. Generally, EchoStar is responsible for all tax returns and tax liabilities for the Transferred Businesses for periods prior to the Share Exchange, and we are responsible for all tax returns and tax liabilities for the Transferred Businesses from and after the Share Exchange. Both we and EchoStar have made certain tax-related representations and are subject to various tax-related covenants after the consummation of the Share Exchange. Both we and EchoStar have agreed to indemnify each other if there is a breach of any such tax representation or violation of any such tax covenant and that breach or violation results in the Share Exchange not qualifying for tax free treatment for the other party. In addition, we have agreed to indemnify EchoStar if the Transferred Businesses are acquired, either directly or indirectly (e.g., via an acquisition of us), by one or more persons and such acquisition results in the Share Exchange not qualifying for tax free treatment. The Tax Matters Agreement supplements the Tax Sharing Agreement described above, which continues in full force and effect.

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DISH NETWORK CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS - Continued

(Unaudited)

Patent Cross-License Agreements. In December 2011, we and EchoStar entered into separate patent cross-license agreements with the same third party whereby: (i) EchoStar and such third-party licensed their respective patents to each other subject to certain conditions; and (ii) we and such third-party licensed our respective patents to each other subject to certain conditions (each, a "Cross-License Agreement"). Each Cross License Agreement covers patents acquired by the respective party prior to January 1, 2017 and aggregate payments under both Cross-License Agreements total less than $10 million. Each Cross License Agreement also contains an option to extend each Cross-License Agreement to include patents acquired by the respective party prior to January 1, 2022. In December 2016, we and EchoStar independently exercised our respective options to extend each Cross-License Agreement. The aggregate additional payments to such third-party was less than $3 million. Since the aggregate payments under both Cross-License Agreements were based on the combined annual revenues of us and EchoStar, we and EchoStar agreed to allocate our respective payments to such third party based on our respective percentage of combined total revenue.

Rovi License Agreement. On August 19, 2016, we entered into a ten-year patent license agreement (the "Rovi License Agreement") with Rovi Corporation ("Rovi") and, for certain limited purposes, EchoStar. EchoStar is a party to the Rovi License Agreement solely with respect to certain provisions relating to the prior patent license agreement between EchoStar and Rovi. There are no payments between us and EchoStar under the Rovi License Agreement.

Invidi. In November 2010 and April 2011, EchoStar made investments in Invidi in exchange for shares of Invidi's Series D Preferred Stock. In November 2016, we, DIRECTV, LLC, a wholly-owned indirect subsidiary of AT&T Inc., and Cavendish Square Holding B.V., an affiliate of WPP plc, entered into a series of agreements to acquire Invidi. As a result of the transaction, EchoStar sold its ownership interest in Invidi on the same terms offered to the other shareholders of Invidi. The transaction closed in January 2017.

Hughes Broadband Master Services Agreement. In March 2017, DISH Network L.L.C. ("DNLLC") and HNS entered into the MSA pursuant to which DNLLC, among other things: (i) has the right, but not the obligation, to market, promote and solicit orders for the Hughes broadband satellite service and related equipment; and (ii) installs Hughes service equipment with respect to activations generated by DNLLC. Under the MSA, HNS will make certain payments to DNLLC for each Hughes service activation generated, and installation performed, by DNLLC. Payments from HNS for services provided are recorded in "Subscriber-related revenue" on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). The MSA has an initial term of five years with automatic renewal for successive one-year terms. After the first anniversary of the MSA, either party has the ability to terminate the MSA, in whole or in part, for any reason upon at least 90 days' notice to the other party. Upon expiration or termination of the MSA, HNS will continue to provide the Hughes service to subscribers and make certain payments to DNLLC pursuant to the terms and conditions of the MSA. For the three months ended March 31, 2019 and 2018, we purchased broadband equipment from HNS of $5 million and $10 million, under the MSA,

respectively.

Employee Matters Agreement. In connection with the completion of the Share Exchange, effective March 1, 2017, we and EchoStar entered into an Employee Matters Agreement that addresses the transfer of employees from EchoStar to us, including certain benefit and compensation matters and the allocation of responsibility for employee-related liabilities relating to current and past employees of the Transferred Businesses. We assumed employee-related liabilities relating to the Transferred Businesses as part of the Share Exchange, except that EchoStar will be responsible for certain existing employee-related litigation as well as certain pre-Share Exchange compensation and benefits for employees transferring to us in connection with the Share Exchange.

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DISH NETWORK CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS - Continued

(Unaudited)

Intellectual Property and Technology License Agreement. In connection with the completion of the Share Exchange, effective March 1, 2017, we and EchoStar entered into an Intellectual Property and Technology License Agreement ("IPTLA"), pursuant to which we and EchoStar license to each other certain intellectual property and technology. The IPTLA will continue in perpetuity, unless mutually terminated by the parties. Pursuant to the IPTLA, EchoStar granted to us a license to its intellectual property and technology for use by us, among other things, in connection with our continued operation of the Transferred Businesses acquired pursuant to the Share Exchange Agreement, including a limited license to use the "ECHOSTAR" trademark during a transition period. EchoStar retains full ownership of the "ECHOSTAR" trademark. In addition, we granted a license back to EchoStar, among other things, for the continued use of all intellectual property and technology transferred to us pursuant to the Share Exchange Agreement that is used in EchoStar's retained businesses.

Related Party Transactions with NagraStar L.L.C.

As a result of the completion of the Share Exchange on February 28, 2017, we own a 50% interest in NagraStar, a joint venture that is our primary provider of encryption and related security systems intended to assure that only authorized customers have access to our programming. Certain payments related to NagraStar are recorded in "Subscriber-related expenses" on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). In addition, certain other payments are initially included in "Inventory" and are subsequently capitalized as "Property and equipment, net" on our Condensed Consolidated Balance Sheets or expensed as "Subscriber acquisition costs" or "Subscriber-related expenses" on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss) when the equipment is deployed. We record all payables in "Trade accounts payable" or "Other accrued expenses" on our Condensed Consolidated Balance Sheets. Our investment in NagraStar is accounted for using the equity method.

The table below summarizes our transactions with NagraStar:

	For the Three Months Ended March 31,	
	2019	2018
	(In thousands)	
Purchases (including fees):		
Purchases from NagraStar	$ 14,359	$ 16,843

	As of March 31, 2019	December 31, 2018
	(In thousands)	
Amounts Payable and Commitments:		
Amounts payable to NagraStar	$ 15,149	$ 9,871
Commitments to NagraStar	$ 3,110	$ 3,888

Related Party Transactions with Dish Mexico

Dish Mexico, S. de R.L. de C.V. (“Dish Mexico”) is an entity that provides direct-to-home satellite services in Mexico, which is owned 49% by EchoStar. We provide certain broadcast services and sell hardware such as digital set-top boxes and related components to Dish Mexico, which are recorded in “Equipment sales and other revenue” on our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss).

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DISH NETWORK CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS - Continued

(Unaudited)

The table below summarizes our transactions with Dish Mexico:

	For the Three Months Ended March 31,	
	2019	2018
	(In thousands)	
Sales:		
Digital receivers and related components	$ —	$ 280
Uplink services	$ 1,404	$ 1,034

	As of	
	March 31, 2019	December 31, 2018
	(In thousands)	
Amounts Receivable:		
Amounts receivable from Dish Mexico	$ 1,053	$ 1,370

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Item 2.MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

You should read the following management's discussion and analysis of our financial condition and results of operations together with the condensed consolidated financial statements and notes to our financial statements included elsewhere in this Quarterly Report on Form 10-Q. This management's discussion and analysis is intended to help provide an understanding of our financial condition, changes in financial condition and results of our operations and contains forward-looking statements that involve risks and uncertainties. The forward-looking statements are not historical facts, but rather are based on current expectations, estimates, assumptions and projections about our industry, business and future financial results. Our actual results could differ materially from the results contemplated by these forward-looking statements due to a number of factors, including those discussed in our Annual Report on Form 10-K for the year ended December 31, 2018 under the caption "Item 1A. Risk Factors." Furthermore, such forward-looking statements speak only as of the date of this Quarterly Report on Form 10-Q, and we expressly disclaim any obligation to update any forward-looking statements.

Overview

Our business strategy is to be the best provider of video services in the United States by providing products with the best technology, outstanding customer service, and great value. We promote our Pay-TV services as providing our subscribers with a better "price-to-value" relationship than those available from other subscription television service providers. In connection with the growth in OTT industry, we promote our Sling TV services primarily to consumers who do not subscribe to traditional satellite and cable pay-TV services.

As the pay-TV industry is mature, our DISH TV strategy has included an emphasis on acquiring and retaining higher quality subscribers, including subscribers in markets underserved by pay-TV services, even if it means that we will acquire and retain fewer overall subscribers. We evaluate the quality of subscribers based upon a number of factors, including, among others, profitability. Our DISH TV subscriber base has been declining due to, among other things, this strategy. There can be no assurance that our DISH TV subscriber base will not continue to decline and that the pace of such decline will not accelerate.

Our revenue and profit is primarily derived from Pay-TV programming services that we provide to our subscribers. We also generate revenue from equipment rental fees and other hardware related fees, including DVRs and fees from subscribers with multiple receivers; advertising services; fees earned from our Smart Home service operations; broadband services; warranty services; and sales of digital receivers and related equipment to third-party pay-TV providers. Our subscriber-related revenue has been declining due to, among other things, the continuing decline in our DISH TV subscriber base. We expect this trend to continue. Our most significant expenses are subscriber-related expenses, which are primarily related to programming.

Financial Highlights

2019 First Quarter Consolidated Results of Operations and Key Operating Metrics

- Revenue of $3.187 billion
- Net income attributable to DISH Network of $340 million and basic and diluted earnings per share of common stock of $0.73 and $0.65, respectively
- Loss of approximately 259,000 net Pay-TV subscribers
- Loss of approximately 266,000 net DISH TV subscribers
- Addition of approximately 7,000 net Sling TV subscribers
- Pay-TV ARPU of $85.03
- Gross new DISH TV subscriber activations of approximately 243,000
- DISH TV churn rate of 1.74%
- DISH TV SAC of $828

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Item 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS – Continued

Consolidated Financial Condition as of March 31, 2019

- Cash, cash equivalents and current marketable investment securities of $2.393 billion
- Total assets of $31.686 billion
- Total long-term debt and finance lease obligations of $15.142 billion

Business Segments

We currently operate two primary business segments: (1) Pay-TV; and (2) Wireless.

Pay-TV

We are the nation's fourth largest pay-TV provider and offer pay-TV services under the DISH® brand and the Sling® brand (collectively "Pay-TV" services). The DISH branded pay-TV service consists of, among other things, Federal Communications Commission ("FCC") licenses authorizing us to use direct broadcast satellite ("DBS") and Fixed Satellite Service ("FSS") spectrum, our owned and leased satellites, receiver systems, broadcast operations, customer service facilities, a leased fiber optic network, Smart Home service and call center operations, and certain other assets utilized in our operations ("DISH TV"). The Sling branded pay-TV services consist of, among other things, multichannel, live, linear streaming over-the-top ("OTT"), Internet-based domestic, international and Latino video programming services ("Sling TV"). As of March 31, 2019, we had 12.063 million Pay-TV subscribers in the United States, including 9.639 million DISH TV subscribers and 2.424 million Sling TV subscribers.

Competition has intensified in recent years as the pay-TV industry has matured. To differentiate our DISH TV services from our competitors, we offer the Hopper whole-home DVR and have continued to add functionality and simplicity for a more intuitive user experience. Our Hopper and Joey® whole-home DVR promotes a suite of integrated features and functionality designed to maximize the convenience and ease of watching TV anytime and anywhere. It also has several innovative features that a consumer can use, at his or her option, to watch and record television programming, through their televisions, tablets, phones and computers. The Hopper 3, among other things, features 16 tuners, delivers an enhanced 4K Ultra HD experience, and supports up to seven TVs simultaneously.

We market our Sling TV services primarily to consumers who do not subscribe to traditional satellite and cable pay-TV services. Our Sling TV services require an Internet connection and are available on multiple streaming-capable devices including streaming media devices, TVs, tablets, computers, game consoles and phones. We offer Sling International, Sling Latino and Sling domestic video programming services. Our domestic Sling TV services have a single-stream service branded Sling Orange and a multi-stream service branded Sling Blue, which includes, among other things, the ability to stream on up to three devices simultaneously. We face competition from providers of digital media, including, among others, Netflix, Hulu, Apple, Amazon, Alphabet, Disney, Verizon, DirecTV, Sony, YouTube, Fubo, Philo and Pluto that offer online services distributing movies, television shows and other video programming as well as programmers, such as HBO, CBS, Univision, STARZ and SHOWTIME, that began selling content directly to consumers over the Internet. Some of these companies have larger customer bases, stronger brand recognition and greater financial, marketing and other resources than we do. In addition, traditional providers of video entertainment, including broadcasters, cable channels and MVPDs, are increasing their Internet-based video offerings. Some of these services charge nominal or no fees for access to their content, which could adversely affect demand for our Pay-TV services. Moreover, new technologies have been, and will likely continue to be, developed that further increase the number of competitors we face with respect to video services, including competition from piracy-based video offerings. This competition, among other things, has caused the rate of growth in subscribers to our Sling TV services to decrease. In June 2018, we launched additional Sling TV services which include offering consumers a la carte channel subscriptions, access to pay-per-view events and movies, and access to free content. There can be no assurance that these additional services will positively affect our results of operations or our net Sling TV subscribers.

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Item 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS – Continued

In addition, we historically offered broadband services under the dishNET™ brand, which includes satellite broadband services that utilize advanced technology and high-powered satellites launched by Hughes Communications, Inc. ("Hughes") and ViaSat, Inc. ("ViaSat") and wireline broadband services. However, as of the first quarter 2018, we have transitioned our broadband business focus from wholesale to authorized representative arrangements, and we are no longer marketing dishNET broadband services. Our existing broadband subscribers will decline through customer attrition. Generally, under these authorized representative arrangements, we will receive certain payments for each broadband service activation generated and installation performed, and we will not incur subscriber acquisition costs for these activations.

As a result of the completion of the Share Exchange with EchoStar, we also design, develop and distribute receiver systems and provide digital broadcast operations, including satellite uplinking/downlinking, transmission and other services to third-party pay-TV providers.

Wireless

Since 2008, we have directly invested over $11 billion to acquire certain wireless spectrum licenses and related assets and made over $10 billion in non-controlling investments in certain entities, for a total of over