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 JUNE 30, 2021.

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: 001-33807

EchoStar Corporation
(Exact name of registrant as specified in its charter)

Nevada (State or other jurisdiction of incorporation or organization)	**26-1232727** (I.R.S. Employer Identification No.)
100 Inverness Terrace East, Englewood, Colorado (Address of principal executive offices)	**80112-5308** (Zip Code)
(303) 706-4000 (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:

Class A common stock $0.001 par value (Title of each class)	**The NASDAQ Stock Market LLC** (Name of each exchange on which registered)
SATS (Ticker symbol)	

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 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. (Check one):

Large accelerated filer	☒	Accelerated filer	☐	Emerging growth company	☐
Non-accelerated filer	☐	Smaller reporting 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 July 29, 2021, the registrant’s outstanding common stock consisted of 41,238,406 shares of Class A common stock and 47,687,039 shares of Class B common stock, each $0.001 par value.

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DISCLOSURE REGARDING FORWARD-LOOKING STATEMENTS

This Quarterly Report on Form 10-Q (“Form 10-Q”) contains “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995, Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, including but not limited to statements about our estimates, expectations, future developments, plans, objectives, strategies, financial condition, expected impact of regulatory developments and legal proceedings, opportunities in our industries and businesses and other trends and projections for the next fiscal quarter and beyond. All statements, other than statements of historical facts, may be forward-looking statements. Forward-looking statements may also be identified by words such as “anticipate,” “intend,” “plan,” “goal,” “seek,” “believe,” “estimate,” “expect,” “predict,” ”project,” “continue,” “future,” “will,” “would,” “could,” “can,” “may” and similar terms. These forward-looking statements are based on information available to us as of the date of this Form 10-Q and represent management’s current views and assumptions based on past experience and trends, current economic and industry conditions, expected future developments and other relevant factors. Forward-looking statements are not guarantees of future performance, events or results and involve potential known and unknown risks, uncertainties, including the impact of the coronavirus pandemic (COVID-19), and other factors, many of which may be beyond our control and may pose a risk to our operating and financial condition both the near- and long-term. 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:

- significant risks related to our ability to operate and control our satellites, operational and environmental risks related to our owned and leased satellites, and risks related to our satellites under construction;
- our ability and the ability of third parties with whom we engage to operate our business as a result of the COVID-19 pandemic, including regulatory and competitive considerations;
- our ability to implement and/or realize benefits of our investments and other strategic initiatives;
- legal proceedings relating to the BSS Transaction or other matters that could result in substantial costs and material adverse effects to our business;
- risks related to our foreign operations and other uncertainties associated with doing business internationally;
- risks related to our dependency upon third-party providers; and
- risks related to our human capital resources.

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 (“Form 10-K”) filed with the Securities and Exchange Commission (“SEC”), those discussed in Management’s Discussion and Analysis of Financial Condition and Results of Operations in Part I, Item 2 of this Form 10-Q and in Part II, Item 7 of our Form 10-K and those discussed in other documents we file with the SEC.

All cautionary statements made herein should be read as being applicable to all forward-looking statements wherever they appear. Investors should consider the risks and uncertainties described herein and should not place undue reliance on any forward-looking statements. We do not undertake, and specifically disclaim, any obligation to publicly release the results of any revisions that may be made to any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

Although we believe that the expectations reflected in any forward-looking statements are reasonable, we cannot guarantee future results, events, levels of activity, performance or achievements. We do not assume responsibility for the accuracy and completeness of any forward-looking statements. We assume no responsibility for updating forward-looking information contained or incorporated by reference herein or in any documents we file with the SEC, except as required by law.

Should one or more of the risks or uncertainties described herein or in any documents we file with the SEC occur, or should underlying assumptions prove incorrect, our actual results and plans could differ materially from those expressed in any forward-looking statements.

PART I — FINANCIAL INFORMATION

ITEM 1. FINANCIAL STATEMENTS

ECHOSTAR CORPORATION
CONSOLIDATED BALANCE SHEETS
(Amounts in thousands, except share and per share amounts)
(Unaudited)

	As of	
	June 30, 2021	December 31, 2020
Assets		
Current assets:		
Cash and cash equivalents	$ 716,522	$ 896,005
Marketable investment securities	841,521	1,638,271
Trade accounts receivable and contract assets, net	186,945	183,989
Other current assets, net	194,095	189,821
Total current assets	1,939,083	2,908,086
Non-current assets:		
Property and equipment, net	2,431,653	2,390,313
Operating lease right-of-use assets	131,931	128,303
Goodwill	511,886	511,597
Regulatory authorizations, net	474,770	478,762
Other intangible assets, net	14,773	18,433
Other investments, net	340,688	284,937
Other non-current assets, net	364,822	352,921
Total non-current assets	4,270,523	4,165,266
Total assets	$ 6,209,606	$ 7,073,352
Liabilities and Stockholders' Equity		
Current liabilities:		
Trade accounts payable	$ 121,635	$ 122,366
Current portion of long-term debt, net	—	898,237
Contract liabilities	127,820	104,569
Accrued expenses and other current liabilities	297,649	299,999
Total current liabilities	547,104	1,425,171
Non-current liabilities:		
Long-term debt, net	1,495,619	1,495,256
Deferred tax liabilities, net	394,155	359,896
Operating lease liabilities	118,779	114,886
Other non-current liabilities	69,044	70,893
Total non-current liabilities	2,077,597	2,040,931
Total liabilities	2,624,701	3,466,102
Commitments and contingencies		

The accompanying notes are an integral part of these Consolidated Financial Statements.

ECHOSTAR CORPORATION
CONSOLIDATED BALANCE SHEETS
(Amounts in thousands, except share and per share amounts)
(Unaudited)

Stockholders' equity:		
Preferred stock, $0.001 par value, 20,000,000 shares authorized, none issued and outstanding at both June 30, 2021 and December 31, 2020	—	—
Common stock, $0.001 par value, 4,000,000,000 shares authorized:		
Class A common stock, $0.001 par value, 1,600,000,000 shares authorized, 57,825,270 shares issued and 42,289,277 shares outstanding at June 30, 2021 and 57,254,201 shares issued and 48,863,374 shares outstanding at December 31, 2020	58	57
Class B convertible common stock, $0.001 par value, 800,000,000 shares authorized, 47,687,039 shares issued and outstanding at both June 30, 2021 and December 31, 2020	48	48
Class C convertible common stock, $0.001 par value, 800,000,000 shares authorized, none issued and outstanding at both June 30, 2021 and December 31, 2020	—	—
Class D common stock, $0.001 par value, 800,000,000 shares authorized, none issued and outstanding at both June 30, 2021 and December 31, 2020	—	—
Additional paid-in capital	3,337,190	3,321,426
Accumulated other comprehensive income (loss)	(182,226)	(187,876)
Accumulated earnings (losses)	699,405	583,591
Treasury shares, at cost	(343,869)	(174,912)
Total EchoStar Corporation stockholders' equity	3,510,606	3,542,334
Non-controlling interests	74,299	64,916
Total stockholders' equity	3,584,905	3,607,250
Total liabilities and stockholders' equity	$ 6,209,606	$ 7,073,352

The accompanying notes are an integral part of these Consolidated Financial Statements.

ECHOSTAR CORPORATION
CONSOLIDATED STATEMENTS OF OPERATIONS
(Amounts in thousands, except per share amounts)
(Unaudited)

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Revenue:				
Services and other revenue	$ 431,279	$ 417,043	$ 861,616	$ 825,400
Equipment revenue	68,555	42,423	120,800	99,732
Total revenue	499,834	459,466	982,416	925,132
Costs and expenses:				
Cost of sales - services and other (exclusive of depreciation and amortization)	139,547	141,019	272,336	286,271
Cost of sales - equipment (exclusive of depreciation and amortization)	54,503	32,542	99,654	78,450
Selling, general and administrative expenses	114,038	113,798	228,157	239,079
Research and development expenses	7,441	7,448	14,986	13,702
Depreciation and amortization	118,982	129,887	248,268	262,255
Impairment of long-lived assets	15	—	245	—
Total costs and expenses	434,526	424,694	863,646	879,757
Operating income (loss)	65,308	34,772	118,770	45,375
Other income (expense):				
Interest income, net	5,240	10,760	11,189	26,343
Interest expense, net of amounts capitalized	(28,868)	(38,258)	(63,535)	(74,491)
Gains (losses) on investments, net	30,633	(6,090)	109,233	(52,762)
Equity in earnings (losses) of unconsolidated affiliates, net	(4,044)	(6,345)	(2,670)	(3,732)
Foreign currency transaction gains (losses), net	665	1,560	(3,404)	(9,284)
Other, net	(12,767)	(391)	(13,697)	(670)
Total other income (expense), net	(9,141)	(38,764)	37,116	(114,596)
Income (loss) before income taxes	56,167	(3,992)	155,886	(69,221)
Income tax benefit (provision), net	(21,152)	(10,851)	(43,299)	(3,359)
Net income (loss)	35,015	(14,843)	112,587	(72,580)
Less: Net loss (income) attributable to non-controlling interests	2,280	3,431	3,227	6,873
Net income (loss) attributable to EchoStar Corporation common stock	$ 37,295	$ (11,412)	$ 115,814	$ (65,707)
Earnings (losses) per share - Class A and B common stock:				
Basic	$ 0.41	$ (0.12)	$ 1.26	$ (0.67)
Diluted	$ 0.41	$ (0.12)	$ 1.25	$ (0.67)

The accompanying notes are an integral part of these Consolidated Financial Statements.

ECHOSTAR CORPORATION
CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)
(Amounts in thousands)
(Unaudited)

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Net income (loss)	$ 35,015	$ (14,843)	$ 112,587	$ (72,580)
Other comprehensive income (loss), net of tax:				
Foreign currency translation adjustments	39,475	(20,153)	13,278	(100,515)
Unrealized gains (losses) on available-for-sale securities	106	3,091	20	(275)
Other	2,009	97	(4,911)	(2,578)
Amounts reclassified to net income (loss):				
Realized losses (gains) on available-for-sale debt securities	—	—	(7)	—
Total other comprehensive income (loss), net of tax	41,590	(16,965)	8,380	(103,368)
Comprehensive income (loss)	76,605	(31,808)	120,967	(175,948)
Less: Comprehensive loss (income) attributable to non-controlling interests	(6,060)	5,804	497	25,569
Comprehensive income (loss) attributable to EchoStar Corporation	$ 82,665	$ (26,004)	$ 120,470	$ (150,379)

The accompanying notes are an integral part of these Consolidated Financial Statements.

ECHOSTAR CORPORATION
CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY
FOR THE THREE MONTHS ENDED JUNE 30, 2021 AND 2020
(Amounts in thousands)
(Unaudited)

	Common Stock	Additional Paid-In Capital	Accumulated Other Comprehensive Income (Loss)	Accumulated Earnings (Losses)	Treasury Shares, at cost	Non-controlling Interests	Total
Balance, March 31, 2020	$ 105	$ 3,307,360	$ (192,218)	$ 569,446	$ (137,347)	$ 58,229	$ 3,605,575
Issuances of Class A common stock:							
Exercise of stock options	—	328	—	—	—	—	328
Employee Stock Purchase Plan	—	2,376	—	—	—	—	2,376
Stock-based compensation	—	2,125	—	—	—	—	2,125
Contribution by non-controlling interest holder	—	—	—	—	—	6,000	6,000
Other comprehensive income (loss)	—	—	(14,592)	—	—	(2,373)	(16,965)
Net income (loss)	—	—	—	(11,412)	—	(3,431)	(14,843)
Other, net	—	(328)	—	—	—	—	(328)
Balance, June 30, 2020	$ 105	$ 3,311,861	$ (206,810)	$ 558,034	$ (137,347)	$ 58,425	$ 3,584,268
Balance, March 31, 2021	$ 106	$ 3,333,047	$ (215,476)	$ 662,110	$ (285,681)	$ 63,759	$ 3,557,865
Issuances of Class A common stock:							
Employee Stock Purchase Plan	—	2,329	—	—	—	—	2,329
Stock-based compensation	—	1,814	—	—	—	—	1,814
Contribution by non-controlling interest holder	—	—	—	—	—	4,480	4,480
Other comprehensive income (loss)	—	—	33,250	—	—	8,340	41,590
Net income (loss)	—	—	—	37,295	—	(2,280)	35,015
Treasury share repurchase	—	—	—	—	(58,188)	—	(58,188)
Balance, June 30, 2021	$ 106	$ 3,337,190	$ (182,226)	$ 699,405	$ (343,869)	$ 74,299	$ 3,584,905

The accompanying notes are an integral part of these Consolidated Financial Statements.

ECHOSTAR CORPORATION
CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY
FOR THE SIX MONTHS ENDED JUNE 30, 2021 AND 2020
(Amounts in thousands)
(Unaudited)

	Common Stock	Additional Paid-In Capital	Accumulated Other Comprehensive Income (Loss)	Accumulated Earnings (Losses)	Treasury Shares, at cost	Non-controlling Interests	Total
Balance, December 31, 2019	$ 105	$ 3,290,483	$ (122,138)	$ 632,809	$ (131,454)	$ 75,748	$ 3,745,553
Cumulative effect of accounting changes	—	—	—	(9,068)	—	(240)	(9,308)
Balance, January 1, 2020	105	3,290,483	(122,138)	623,741	(131,454)	75,508	3,736,245
Issuances of Class A common stock:							
Exercise of stock options	—	506	—	—	—	—	506
Employee benefits	—	6,920	—	—	—	—	6,920
Employee Stock Purchase Plan	—	5,300	—	—	—	—	5,300
Stock-based compensation	—	4,509	—	—	—	—	4,509
Issuance of equity and contribution of assets pursuant to the Yahsat JV formation	—	4,338	—	—	—	(1,514)	2,824
Contribution by non-controlling interest holder	—	—	—	—	—	10,000	10,000
Other comprehensive income (loss)	—	—	(84,672)	—	—	(18,696)	(103,368)
Net income (loss)	—	—	—	(65,707)	—	(6,873)	(72,580)
Treasury share repurchase	—	—	—	—	(5,893)	—	(5,893)
Other, net	—	(195)	—	—	—	—	(195)
Balance, June 30, 2020	$ 105	$ 3,311,861	$ (206,810)	$ 558,034	$ (137,347)	$ 58,425	$ 3,584,268
Balance, December 31, 2020	$ 105	$ 3,321,426	$ (187,876)	$ 583,591	$ (174,912)	$ 64,916	$ 3,607,250
Issuances of Class A common stock:							
Employee benefits	1	7,124	—	—	—	—	7,125
Employee Stock Purchase Plan	—	4,815	—	—	—	—	4,815
Stock-based compensation	—	3,825	—	—	—	—	3,825
Contribution by non-controlling interest holder	—	—	—	—	—	9,880	9,880
Other comprehensive income (loss)	—	—	5,650	—	—	2,730	8,380
Net income (loss)	—	—	—	115,814	—	(3,227)	112,587
Treasury share repurchase	—	—	—	—	(168,957)	—	(168,957)
Balance, June 30, 2021	$ 106	$ 3,337,190	$ (182,226)	$ 699,405	$ (343,869)	$ 74,299	$ 3,584,905

The accompanying notes are an integral part of these Consolidated Financial Statements.

ECHOSTAR CORPORATION
CONSOLIDATED STATEMENTS OF CASH FLOWS
(Amounts in thousands)
(Unaudited)

	For the six months ended June 30, 2021	2020
Cash flows from operating activities:		
Net income (loss)	$ 112,587	$ (72,580)
Adjustments to reconcile net income (loss) to cash flows provided by (used for) operating activities:		
Depreciation and amortization	248,268	262,255
Impairment of long-lived assets	245	—
Losses (gains) on investments, net	(109,233)	52,762
Equity in losses (earnings) of unconsolidated affiliates, net	2,670	3,732
Foreign currency transaction losses (gains), net	3,404	9,284
Deferred tax provision (benefit), net	34,024	(2,452)
Stock-based compensation	3,825	4,509
Amortization of debt issuance costs	2,008	2,120
Other, net	6,198	(7,295)
Changes in assets and liabilities, net:		
Trade accounts receivable and contract assets, net	(3,363)	(5,262)
Other current assets, net	(1,120)	(11,642)
Trade accounts payable	(9,631)	(11,701)
Contract liabilities	23,251	(11,229)
Accrued expenses and other current liabilities	621	27,050
Non-current assets and non-current liabilities, net	(5,114)	5,729
Net cash provided by (used for) operating activities	308,640	245,280
Cash flows from investing activities:		
Purchases of marketable investment securities	(939,255)	(555,367)
Sales and maturities of marketable investment securities	1,824,332	977,532
Expenditures for property and equipment	(262,466)	(196,904)
Expenditures for externally marketed software	(16,835)	(19,237)
Purchase of other investments	(50,000)	(5,500)
Sales of other investments	10,516	—
Net cash provided by (used for) investing activities	566,292	200,524
Cash flows from financing activities:		
Repurchase and maturity of the 2021 Senior Unsecured Notes	(901,818)	—
Payment of finance lease obligations	(476)	(421)
Payment of in-orbit incentive obligations	(1,431)	(1,021)
Net proceeds from Class A common stock options exercised	—	436
Net proceeds from Class A common stock issued under the Employee Stock Purchase Plan	4,815	5,300
Treasury share repurchase	(163,822)	(5,893)
Contribution by non-controlling interest holder	9,880	10,000
Other, net	(966)	674
Net cash provided by (used for) financing activities	(1,053,818)	9,075
Effect of exchange rates on cash and cash equivalents	(443)	(19,232)
Net increase (decrease) in cash and cash equivalents	(179,329)	435,647
Cash and cash equivalents, including restricted amounts, beginning of period	896,812	1,521,889
Cash and cash equivalents, including restricted amounts, end of period	$ 717,483	$ 1,957,536

The accompanying notes are an integral part of these Consolidated Financial Statements.

NOTE 1. ORGANIZATION AND BUSINESS ACTIVITIES

Principal Business

EchoStar Corporation (which, together with its subsidiaries, is referred to as "EchoStar," the "Company," "we," "us" and "our") is a holding company that was organized in October 2007 as a corporation under the laws of the State of Nevada and has operated as a separately traded public company from DISH Network Corporation ("DISH") since 2008. Our Class A common stock is publicly traded on the NASDAQ Global Select Market ("NASDAQ") under the symbol "SATS."

We are a global provider of broadband satellite technologies, broadband internet services for consumer customers, which include home and small to medium-sized businesses, and satellite services. We also deliver innovative network technologies, managed services and communications solutions for enterprise customers, which include aeronautical and government enterprises. We operate in the following two business segments:

- ***Hughes*** — which provides broadband satellite technologies and broadband internet services to domestic and international consumer customers and broadband network technologies, managed services, equipment, hardware, satellite services and communication solutions to service providers and enterprise customers. The Hughes segment also designs, provides and installs gateway and terminal equipment to customers for other satellite systems. In addition, our Hughes segment designs, develops, constructs and provides telecommunication networks comprising satellite ground segment systems and terminals to mobile system operators and our enterprise customers.
- ***ESS*** — which uses certain of our owned and leased in-orbit satellites and related licenses to provide satellite services on a full-time and/or occasional-use basis to United States ("U.S.") government service providers, internet service providers, broadcast news organizations, content providers and private enterprise customers.

Our operations also include various corporate departments (primarily Executive, Treasury, Strategic Development, Human Resources, Information Technology, Finance, Accounting, Real Estate and Legal) and other activities, such as costs incurred in certain satellite development programs and other business development activities, and gains or losses from certain of our investments, that have not been assigned to our business segments. These activities, costs and income, as well as eliminations of intersegment transactions, are accounted for in *Corporate and Other* in our segment reporting. We also divide our operations by primary geographic market as follows: (i) North America (the U.S. and its territories, Mexico, and Canada); (ii) South and Central America and (iii) Other (Asia, Africa, Australia, Europe, India, and the Middle East). Refer to *Note 14. Segment Reporting* for further detail.

NOTE 2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Presentation

These unaudited Consolidated Financial Statements and the accompanying notes (collectively, the "Consolidated Financial Statements") are prepared in conformity with U.S. generally accepted accounting principles ("U.S. GAAP") and the instructions to Form 10-Q and Article 10 of Regulation S-X for interim financial information. Accordingly, they do not include all of the information and notes required for complete financial statements prepared in conformity with U.S. GAAP. In our opinion, all adjustments, consisting of normal recurring adjustments, considered necessary for a fair presentation have been included. However, our results of operations for the interim periods presented are not necessarily indicative of the results that may be expected for the full year.

All amounts presented in these Consolidated Financial Statements are expressed in thousands of U.S. dollars, except share and per share amounts and unless otherwise noted.

Refer to *Note 2. Summary of Significant Accounting Policies* to the consolidated financial statements in our Form 10-K for a summary and discussion of our significant accounting policies, except as updated below.

Use of Estimates

We are required to make certain estimates and assumptions that affect the amounts reported in these Consolidated Financial Statements. The most significant estimates and assumptions are used in determining: (i) inputs used to recognize revenue over time, including amortization periods for deferred contract acquisition costs; (ii) allowances for doubtful accounts; (iii) deferred taxes and related valuation allowances, including uncertain tax positions; (iv) loss contingencies; (v) fair value of financial instruments; (vi) fair value of assets and liabilities acquired in business combinations; and (vii) asset impairment testing.

We base our estimates and assumptions on historical experience, observable market inputs and on various other factors that we believe to be relevant under the circumstances. Due to the inherent uncertainty involved in making estimates, actual results may differ from previously estimated amounts and such differences may be material to our financial statements. Additionally, changing economic conditions may increase the inherent uncertainty in the estimates and assumptions indicated above. We review our estimates and assumptions periodically and the effects of revisions thereto are reflected in the period they occur or prospectively if the revised estimate affects future periods.

Principles of Consolidation

We consolidate all entities in which we have a controlling financial interest. We are deemed to have a controlling financial interest in variable interest entities in which we are the primary beneficiary and in other entities in which we own more than 50% of the outstanding voting shares and other shareholders do not have substantive rights to participate in management. For entities we control but do not wholly own, we record a non-controlling interest within stockholders' equity for the portion of the entity's equity attributed to the non-controlling ownership interests. All significant intercompany balances and transactions have been eliminated in consolidation.

Recently Adopted Accounting Pronouncements

On January 1, 2021, we adopted Accounting Standard Update ("ASU") No. 2019-12 - *Income Taxes (Topic 740): Simplifying the Accounting for Income Taxes* ("ASU 2019-12"). ASU 2019-12 is part of the Financial Accounting Standards Board ("FASB") overall simplification initiative and seeks to simplify the accounting for income taxes by updating certain guidance and removing certain exceptions. Our adoption of this ASU did not have a material impact on our Consolidated Financial Statements.

Recently Issued Accounting Pronouncements Not Yet Adopted

In March 2020, the FASB issued ASU No. 2020-04 - *Reference Rate Reform (Topic 848),* codified as ASC 848 ("ASC 848"). The purpose of ASC 848 is to provide optional guidance to ease the potential effects on financial reporting of the market-wide migration away from Interbank Offered Rates to alternative reference rates. ASC 848 applies only to contracts, hedging relationships, and other transactions that reference a reference rate expected to be discontinued because of reference rate reform. The guidance may be applied upon issuance of ASC 848 through December 31, 2022. We expect to utilize the optional expedients provided by the guidance for contracts amended solely to use an alternative reference rate. We have evaluated the impact of adopting this new guidance and do not expect it to have a material impact on our Consolidated Financial Statements.

NOTE 3. REVENUE RECOGNITION

Contract Balances

The following table presents the components of our contract balances:

	As of	
	June 30, 2021	December 31, 2020
Trade accounts receivable and contract assets, net:		
Sales and services	$ 149,204	$ 149,513
Leasing	5,397	4,554
Total trade accounts receivable	154,601	154,067
Contract assets	45,689	45,308
Allowance for doubtful accounts	(13,345)	(15,386)
Total trade accounts receivable and contract assets, net	$ 186,945	$ 183,989
Contract liabilities:		
Current	$ 127,820	$ 104,569
Non-current	10,097	10,519
Total contract liabilities	$ 137,917	$ 115,088

The following table presents the revenue recognized in the Consolidated Statement of Operations that was previously included within contract liabilities:

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Revenue	$ 1,941	$ 7,614	$ 65,022	$ 59,786

Contract Acquisition Costs

The following table presents the activity in our contract acquisition costs, net:

	For the six months ended June 30,	
	2021	2020
Balance at beginning of period	$ 99,837	$ 113,592
Additions	37,408	49,366
Amortization expense	(45,200)	(51,265)
Foreign currency translation	678	(4,607)
Balance at end of period	$ 92,723	$ 107,086

We recognized amortization expenses related to contract acquisition costs of $22.4 million and $25.6 million for the three months ended June 30, 2021 and 2020, respectively.

Performance Obligations

As of June 30, 2021, the remaining performance obligations for our customer contracts with original expected durations of more than one year was $991.2 million. Performance obligations expected to be satisfied within one year and greater than one year are 38% and 62%, respectively. This amount and percentages exclude agreements with consumer customers in our Hughes segment, our leasing arrangements and agreements with certain customers under which collectability of all amounts due through the term of contracts is uncertain.

Disaggregation of Revenue

Geographic Information

The following table presents our revenue from customer contracts disaggregated by primary geographic market and by segment:

	Hughes	ESS	Corporate and Other	Consolidated Total
For the three months ended June 30, 2021				
North America	$ 405,101	$ 4,283	$ 3,273	$ 412,657
South and Central America	46,996	—	—	46,996
Other	40,179	—	2	40,181
Total revenue	$ 492,276	$ 4,283	$ 3,275	$ 499,834
For the three months ended June 30, 2020				
North America	$ 384,623	$ 4,179	$ 2,015	$ 390,817
South and Central America	33,961	—	100	34,061
Other	34,588	—	—	34,588
Total revenue	$ 453,172	$ 4,179	$ 2,115	$ 459,466
For the six months ended June 30, 2021				
North America	$ 803,860	$ 8,372	$ 5,885	$ 818,117
South and Central America	90,026	—	—	90,026
Other	74,250	—	23	74,273
Total revenue	$ 968,136	$ 8,372	$ 5,908	$ 982,416
For the six months ended June 30, 2020				
North America	$ 767,338	$ 8,831	$ 4,455	$ 780,624
South and Central America	67,917	—	192	68,109
Other	76,399	—	—	76,399
Total revenue	$ 911,654	$ 8,831	$ 4,647	$ 925,132

Nature of Products and Services

The following tables present our revenue disaggregated by the nature of products and services and by segment:

	Hughes	ESS	Corporate and Other	Consolidated Total
For the three months ended June 30, 2021				
Services and other revenue:				
Services	$ 413,925	$ 2,884	$ 1,738	$ 418,547
Lease revenue	9,796	1,399	1,537	12,732
Total services and other revenue	423,721	4,283	3,275	431,279
Equipment revenue:				
Equipment	31,101	—	—	31,101
Design, development and construction services	35,057	—	—	35,057
Lease revenue	2,397	—	—	2,397
Total equipment revenue	68,555	—	—	68,555
Total revenue	$ 492,276	$ 4,283	$ 3,275	$ 499,834
For the three months ended June 30, 2020				
Services and other revenue:				
Services	$ 399,697	$ 2,564	$ 993	$ 403,254
Lease revenue	11,052	1,615	1,122	13,789
Total services and other revenue	410,749	4,179	2,115	417,043
Equipment revenue:				
Equipment	18,518	—	—	18,518
Design, development and construction services	22,668	—	—	22,668
Lease revenue	1,237	—	—	1,237
Total equipment revenue	42,423	—	—	42,423
Total revenue	$ 453,172	$ 4,179	$ 2,115	$ 459,466

	Hughes	ESS	Corporate and Other	Consolidated Total
For the six months ended June 30, 2021				
Services and other revenue:				
Services	$ 827,517	$ 5,574	$ 2,829	$ 835,920
Lease revenue	19,824	2,798	3,074	25,696
Total services and other revenue	847,341	8,372	5,903	861,616
Equipment revenue:				
Equipment	59,550	—	5	59,555
Design, development and construction services	56,693	—	—	56,693
Lease revenue	4,552	—	—	4,552
Total equipment revenue	120,795	—	5	120,800
Total revenue	$ 968,136	$ 8,372	$ 5,908	$ 982,416
For the six months ended June 30, 2020				
Services and other revenue:				
Services	$ 789,697	$ 5,329	$ 2,281	$ 797,307
Lease revenue	22,225	3,502	2,366	28,093
Total services and other revenue	811,922	8,831	4,647	825,400
Equipment revenue:				
Equipment	43,357	—	—	43,357
Design, development and construction services	54,225	—	—	54,225
Lease revenue	2,150	—	—	2,150
Total equipment revenue	99,732	—	—	99,732
Total revenue	$ 911,654	$ 8,831	$ 4,647	$ 925,132

Lease Revenue

The following table presents our lease revenue by type of lease:

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Sales-type lease revenue:				
Revenue at lease commencement	$ 2,295	$ 1,237	$ 4,377	$ 2,150
Interest income	102	95	175	164
Total sales-type lease revenue	2,397	1,332	4,552	2,314
Operating lease revenue	12,732	13,694	25,696	27,929
Total lease revenue	$ 15,129	$ 15,026	$ 30,248	$ 30,243

NOTE 4. EARNINGS PER SHARE

The following table presents the calculation of basic and diluted EPS for our Class A and B common stock:

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Net income (loss) attributable to EchoStar Corporation common stock	$ 37,295	$ (11,412)	$ 115,814	$ (65,707)
Weighted-average common shares outstanding:				
Basic	90,689	97,879	92,271	97,845
Dilutive impact of stock awards outstanding	25	—	25	—
Diluted	90,714	97,879	92,296	97,845
Earnings (losses) per share:				
Basic	$ 0.41	$ (0.12)	$ 1.26	$ (0.67)
Diluted	$ 0.41	$ (0.12)	$ 1.25	$ (0.67)

The following table presents the number of anti-dilutive options to purchase shares of our Class A common stock which have been excluded from the calculation of our weighted-average common shares outstanding:

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Number of shares	4,569	4,878	4,569	4,878

NOTE 5. MARKETABLE INVESTMENT SECURITIES

The following table presents our *Marketable investment securities*:

	As of	
	June 30, 2021	December 31, 2020
Marketable investment securities:		
Available-for-sale debt securities:		
Corporate bonds	$ 179,548	$ 372,746
Commercial paper	427,542	1,101,888
Other debt securities	61,827	148,292
Total available-for-sale debt securities	668,917	1,622,926
Equity securities	186,828	24,435
Total marketable investment securities, including restricted amounts	855,745	1,647,361
Less: Restricted marketable investment securities	(14,224)	(9,090)
Total marketable investment securities	$ 841,521	$ 1,638,271

Debt Securities

Available-for-Sale

The following table presents the components of our available-for-sale debt securities:

	Amortized Cost	Unrealized Gains	Unrealized Losses	Estimated Fair Value
As of June 30, 2021				
Corporate bonds	$ 179,536	$ 35	$ (23)	$ 179,548
Commercial paper	427,542	—	—	427,542
Other debt securities	61,781	54	(8)	61,827
Total available-for-sale debt securities	$ 668,859	$ 89	$ (31)	$ 668,917
As of December 31, 2020				
Corporate bonds	$ 372,702	$ 78	$ (34)	$ 372,746
Commercial paper	1,101,888	—	—	1,101,888
Other debt securities	148,292	6	(6)	148,292
Total available-for-sale debt securities	$ 1,622,882	$ 84	$ (40)	$ 1,622,926

The following table presents the activity on our available-for-sale debt securities:

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Proceeds from sales	$ 80,500	$ —	$ 262,495	$ 10,000

As of June 30, 2021, we have $558.0 million of available-for-sale debt securities with contractual maturities of one year or less and $110.9 million with contractual maturities greater than one year.

Fair Value Option

The following table presents the activity on our fair value option corporate bonds:

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Gains (losses) on investments, net	$ —	$ (298)	$ —	$ (4,506)

Equity Securities

The following table presents the activity of our equity securities:

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Proceeds from sales	$ 228	$ 4,719	$ 230	$ 4,853
Gains (losses) on investments, net	$ 28,533	$ 2,512	$ 94,101	$ (8,603)

Fair Value Measurements

The following table presents our marketable investment securities categorized by the fair value hierarchy, certain of which have historically experienced volatility:

	Level 1	Level 2	Total
As of June 30, 2021			
Cash equivalents (including restricted)	$ 434	$ 579,545	$ 579,979
Available-for-sale debt securities:			
Corporate bonds	$ —	$ 179,548	$ 179,548
Commercial paper	—	427,542	427,542
Other debt securities	14,599	47,228	61,827
Total available-for-sale debt securities	14,599	654,318	668,917
Equity securities	175,695	11,133	186,828
Total marketable investment securities, including restricted amounts	190,294	665,451	855,745
Less: Restricted marketable investment securities	(14,224)	—	(14,224)
Total marketable investment securities	$ 176,070	$ 665,451	$ 841,521
As of December 31, 2020			
Cash equivalents (including restricted)	$ 416	$ 809,698	$ 810,114
Available-for-sale debt securities:			
Corporate bonds	$ —	$ 372,746	$ 372,746
Commercial paper	—	1,101,888	1,101,888
Other debt securities	139,486	8,806	148,292
Total available-for-sale debt securities	139,486	1,483,440	1,622,926
Equity securities	14,441	9,994	24,435
Total marketable investment securities, including restricted amounts	153,927	1,493,434	1,647,361
Less: Restricted marketable investment securities	(9,090)	—	(9,090)
Total marketable investment securities	$ 144,837	$ 1,493,434	$ 1,638,271

As of June 30, 2021 and December 31, 2020, we did not have any investments that were categorized within Level 3 of the fair value hierarchy.

NOTE 6. PROPERTY AND EQUIPMENT

The following table presents the components of *Property and equipment, net*:

	As of	
	June 30, 2021	December 31, 2020
Property and equipment, net:		
Satellites, net	$ 1,651,933	$ 1,602,076
Other property and equipment, net	779,720	788,237
Total property and equipment, net	$ 2,431,653	$ 2,390,313

Satellites

As of June 30, 2021, our operating satellite fleet consisted of ten satellites, seven of which are owned and three of which are leased. They are all in geosynchronous orbit, approximately 22,300 miles above the equator.

The following table presents our operating satellite fleet as of June 30, 2021 which consists of both owned and leased satellites:

Satellite	Segment	Launch Date	Nominal Degree Orbital Location (Longitude)	Depreciable Life (In Years)
Owned:				
SPACEWAY 3 (1)	Hughes	August 2007	95 W	10
EchoStar XVII	Hughes	July 2012	107 W	15
EchoStar XIX	Hughes	December 2016	97.1 W	15
Al Yah 3 (2)	Hughes	January 2018	20 W	7
EchoStar IX (3)	ESS	August 2003	121 W	12
EUTELSAT 10A (“W2A”) (4)	Corporate and Other	April 2009	10 E	-
EchoStar XXI	Corporate and Other	June 2017	10.25 E	15
Finance leases:				
Eutelsat 65 West A	Hughes	March 2016	65 W	15
Telesat T19V	Hughes	July 2018	63 W	15
EchoStar 105/SES-11	ESS	October 2017	105 W	15

(1) Depreciable life represents the remaining useful life as of June 8, 2011, the date EchoStar completed its acquisition of Hughes Communications, Inc. and its subsidiaries (the “Hughes Acquisition”).
(2) Upon consummation of our joint venture with Yahsat in Brazil in November 2019, we acquired the Brazilian Ka-band payload on this satellite. Depreciable life represents the remaining useful life as of November 2019.
(3) We own the Ka-band and Ku-band payloads on this satellite.
(4) We acquired the S-band payload on this satellite in December 2013. Prior to acquisition, the S-band payload experienced an anomaly at the time of launch and, as a result, is not fully operational.

The following table presents the components of our satellites, net:

	Depreciable Life (In Years)	As of June 30, 2021	As of December 31, 2020
Satellites, net:			
Satellites - owned	7 to 15	$ 1,807,136	$ 1,805,590
Satellites - acquired under finance leases	15	364,931	352,245
Construction in progress	—	515,727	409,032
Total satellites		2,687,794	2,566,867
Accumulated depreciation:			
Satellites - owned		(948,737)	(890,783)
Satellites - acquired under finance leases		(87,124)	(74,008)
Total accumulated depreciation		(1,035,861)	(964,791)
Total satellites, net		$ 1,651,933	$ 1,602,076

The following table presents the depreciation expense associated with our satellites, net:

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Depreciation expense:				
Satellites - owned	$ 22,581	$ 32,073	$ 54,742	$ 64,147
Satellites - acquired under finance leases	7,396	7,205	14,597	13,218
Total depreciation expense	$ 29,977	$ 39,278	$ 69,339	$ 77,365

The following table presents capitalized interest associated with our satellites and satellite-related ground infrastructure:

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Capitalized interest	$ 9,727	$ 6,897	$ 18,290	$ 13,578

Construction in Progress

In August 2017, we entered into a contract for the design and construction of the EchoStar XXIV satellite, a new, next-generation, high throughput geostationary satellite. The EchoStar XXIV satellite is primarily intended to provide additional capacity for our HughesNet satellite internet service (“HughesNet service”) in North, Central and South America as well as enterprise broadband services. Capital expenditures associated with the construction and launch of the EchoStar XXIV satellite are included in Corporate and Other in our segment reporting.

Satellite-Related Commitments

As of June 30, 2021 and December 31, 2020 our satellite-related commitments were $385.1 million and $487.7 million, respectively. These include payments pursuant to: i) agreements for the construction of the EchoStar XXIV satellite, ii) the EchoStar XXIV launch contract, iii) to regulatory authorizations, and non-lease costs associated with our finance lease satellites, in-orbit incentives relating to certain satellites and commitments for satellite service arrangements.

In certain circumstances, the dates on which we are obligated to pay our contractual obligations could change.

Satellite Anomalies and Impairments

We are not aware of any anomalies with respect to our owned or leased satellites or payloads that have had any significant adverse effect on their remaining useful lives, the commercial operation of the satellites or payloads or our operating results or financial position as of and for the three and six months ended June 30, 2021.

Fair Value of In-Orbit Incentives

As of June 30, 2021 and December 31, 2020, the fair values of our in-orbit incentive obligations approximated their carrying amounts of $54.0 million and $55.4 million, respectively.

NOTE 7. REGULATORY AUTHORIZATIONS

The following table presents our *Regulatory authorizations, net:*

	Finite lived				
	Cost	Accumulated Amortization	Total	Indefinite lived	Total
Balance, December 31, 2019	$ 58,451	$ (20,144)	$ 38,307	$ 440,291	$ 478,598
Amortization expense	—	(2,134)	(2,134)	—	(2,134)
Currency translation adjustments	(1,156)	(51)	(1,207)	(794)	(2,001)
Balance, June 30, 2020	$ 57,295	$ (22,329)	$ 34,966	$ 439,497	$ 474,463
Balance, December 31, 2020	$ 61,381	$ (26,639)	$ 34,742	$ 444,020	$ 478,762
Amortization expense	—	(2,266)	(2,266)	—	(2,266)
Currency translation adjustments	(1,613)	783	(830)	(896)	(1,726)
Balance, June 30, 2021	$ 59,768	$ (28,122)	$ 31,646	$ 443,124	$ 474,770
Weighted-average useful life (in years)		13			

NOTE 8. OTHER INVESTMENTS

The following table presents our *Other investments, net*:

	As of	
	June 30, 2021	December 31, 2020
Other investments, net:		
Equity method investments	$ 147,868	$ 151,070
Other equity investments	86,636	31,662
Other debt investments, net	106,184	102,205
Total other investments, net	$ 340,688	$ 284,937

Equity Method Investments

Dish Mexico

We own 49% of DISH Mexico, S. de R.L. de C.V. and its subsidiaries ("Dish Mexico"), a joint venture that we entered into in 2008 to provide direct-to-home satellite services in Mexico.

Deluxe/EchoStar LLC

We own 50% of Deluxe/EchoStar LLC ("Deluxe"), a joint venture that we entered into in 2010 to build an advanced digital cinema satellite distribution network targeting delivery to digitally equipped theaters in the U.S. and Canada.

Broadband Connectivity Solutions (Restricted) Limited

We own 20% of Broadband Connectivity Solutions (Restricted) Limited (together with its subsidiaries, "BCS"), a joint venture that we entered into in 2018 to provide commercial Ka-band satellite broadband services across Africa, the Middle East and southwest Asia operating over Yahsat's Al Yah 2 and Al Yah 3 Ka-band satellites.

Financial Information for Our Equity Method Investments

The following table presents revenue recognized:

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Deluxe	$ 1,229	$ 1,026	$ 2,860	$ 2,281
BCS	$ 2,766	$ 2,784	$ 4,114	$ 4,453

The following table presents trade accounts receivable:

	As of	
	June 30, 2021	December 31, 2020
Deluxe	$ 1,018	$ 716
BCS	$ 8,525	$ 9,347

Other Equity Investments

The following table presents the activity on our investments:

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Gain (loss) on investments, net	$ 2,100	$ (8,486)	$ 16,256	$ (29,833)

NOTE 9. LONG-TERM DEBT

The following table presents the carrying amount and fair values of our *Current portion of long-term debt, net* and *Long-term debt, net:*

		As of			
		June 30, 2021		December 31, 2020	
	Effective Interest Rate	Carrying Amount	Fair Value	Carrying Amount	Fair Value
Senior Secured Notes:					
5 1/4% Senior Secured Notes due 2026	5.320%	$ 750,000	$ 843,203	$ 750,000	$ 834,045
Senior Unsecured Notes:					
7 5/8% Senior Unsecured Notes due 2021	—%	—	—	900,000	924,003
6 5/8% Senior Unsecured Notes due 2026	6.688%	750,000	843,240	750,000	852,810
Less: Unamortized debt issuance costs		(4,381)	—	(6,507)	—
Total long-term debt		1,495,619	1,686,443	2,393,493	2,610,858
Less: Current portion, net		—	—	(898,237)	(924,003)
Long-term debt, net		$ 1,495,619	$ 1,686,443	$ 1,495,256	$ 1,686,855

During the three and six months ended June 30, 2021, we repurchased $106.4 million and $196.9 million, respectively, of our 7 5/8% Senior Unsecured Notes due 2021 in open market trades. On June 15, 2021, we paid the 7 5/8% Senior Unsecured Notes due 2021.

NOTE 10. INCOME TAXES

Our income tax provision for interim periods is determined using an estimate of our annual effective tax rate, adjusted for discrete items, if any, in the relevant period. Each quarter we update our estimate of the annual effective tax rate, and if our estimated tax rate changes, we make a cumulative adjustment.
Our interim income tax provision and our interim estimate of our annual effective tax rate are influenced by several factors, including foreign losses and capital gains and losses for which related deferred tax assets are partially offset by a valuation allowance, changes in tax laws and relative changes in unrecognized tax benefits. Additionally, our effective tax rate can be affected by the amount of pre-tax income or loss. For example, the impact of discrete items and non-deductible expenses on our effective tax rate is greater when our pre-tax income or loss is lower.

Our income tax provision was $21.2 million for the three months ended June 30, 2021 compared to our income tax provision of $10.9 million for the three months ended June 30, 2020. Our estimated effective income tax rate was 37.7% and (271.8)% for the three months ended June 30, 2021 and 2020, respectively. The variations in our effective tax rate from the U.S. federal statutory rate for the three months ended June 30, 2021 were primarily due to excluded foreign losses where the Company carries a full valuation allowance and the impact of state and local taxes. The variations in our effective tax rate from the U.S. federal statutory rate for the three months ended June 30, 2020 were primarily due to the increase in our valuation allowance associated with certain foreign losses and the impact of state and local taxes, partially offset by research and experimentation credits.

Our income tax provision was $43.3 million for the six months ended June 30, 2021 compared to our income tax provision of $3.4 million for the six months ended June 30, 2020. Our estimated effective income tax rate was 27.8% and (4.9)% for the six months ended June 30, 2021 and 2020, respectively. The variations in our effective tax rate from the U.S. federal statutory rate for the six months ended June 30, 2021 were primarily due to excluded foreign losses where the Company carries a full valuation allowance and the impact of state and local taxes. The variations in our effective tax rate from the U.S. federal statutory rate for the six months ended June 30, 2020 were primarily due to the increase in our valuation allowance associated with certain foreign losses and the impact of state and local taxes, partially offset by the change in net unrealized losses that are capital in nature and research and experimentation credits.

NOTE 11. RELATED PARTY TRANSACTIONS - DISH NETWORK

Overview

EchoStar Corporation and DISH have operated as separate publicly-traded companies since 2008 (the “Spin-off”). A substantial majority of the voting power of the shares of each of EchoStar Corporation and DISH is owned beneficially by Charles W. Ergen, our Chairman, and by certain entities established for the benefit of his family.

In January 2017, we and certain of our subsidiaries entered into a share exchange agreement (the “Share Exchange Agreement”) with DISH and certain of its subsidiaries pursuant to which, in February 2017, we received all of the shares of preferred tracking stock previously issued by us and one of our subsidiaries (the “Tracking Stock”), representing an 80% economic interest in the residential retail satellite broadband business of our Hughes segment, in exchange for 100% of the equity interests of certain EchoStar subsidiaries that held substantially all of our EchoStar Technologies businesses and certain other assets (collectively, the “Share Exchange”). The Tracking Stock was retired in March 2017.

In September 2019, pursuant to a master transaction agreement (the “Master Transaction Agreement”) with DISH and a wholly-owned subsidiary of DISH (“Merger Sub”), (i) we transferred certain real property and the various businesses, products, licenses, technology, revenues, billings, operating activities, assets and liabilities primarily related to the former portion of our ESS segment that managed, marketed and provided (1) broadcast satellite services primarily to DISH and its subsidiaries (“DISH Network”) and our joint venture Dish Mexico, and (2) telemetry, tracking and control (“TT&C”) services for satellites owned by DISH Network and a portion of our other businesses (collectively, the “BSS Business”) to one of our former subsidiaries, EchoStar BSS Corporation (“BSS Corp.”), (ii) we distributed to each holder of shares of our Class A or Class B common stock entitled to receive consideration in the transaction an amount of shares of common stock of BSS Corp., par value $0.001 per share

("BSS Common Stock"), equal to one share of BSS Common Stock for each share of our Class A or Class B common stock owned by such stockholder (the "Distribution"); and (iii) immediately after the Distribution, (1) Merger Sub merged with and into BSS Corp. (the "Merger"), such that BSS Corp. became a wholly-owned subsidiary of DISH and with DISH then owning and operating the BSS Business, and (2) each issued and outstanding share of BSS Common Stock owned by EchoStar stockholders was converted into the right to receive 0.23523769 shares of DISH Class A common stock, par value $0.001 per share ("DISH Common Stock") ((i) - (iii) collectively, the "BSS Transaction").

In connection with and following the Spin-off, the Share Exchange and the BSS Transaction, we and DISH Network entered into certain agreements pursuant to which we obtain certain products, services and rights from DISH Network; DISH Network obtains certain products, services and rights from us; and we and DISH Network indemnify each other against certain liabilities arising from our respective businesses. Generally, the amounts we or DISH Network pay for products and services provided under the agreements are based on cost plus a fixed margin (unless noted differently below), which varies depending on the nature of the products and services provided. We may also enter into additional agreements with DISH Network in the future.

The following is a summary of the transactions and the terms of the underlying principal agreements that have had or may have an impact on our consolidated financial condition and results of operations.

Services and Other Revenue — DISH Network

The following table presents our *Services and other revenue - DISH Network*:

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Services and other revenue - DISH Network	$ 9,029	$ 9,028	$ 17,450	$ 19,341

The following table presents the related trade accounts receivable:

	As of	
	June 30, 2021	December 31, 2020
Trade accounts receivable - DISH Network	$ 7,406	$ 5,612

Satellite Capacity Leased to DISH Network. Effective January 2008, DISH Network began leasing satellite capacity from us on the EchoStar IX satellite. Subject to availability, DISH Network generally has the right to continue leasing satellite capacity from us on the EchoStar IX satellite on a month-to-month basis.

Telesat Obligation Agreement. In September 2009, we entered into an agreement with Telesat Canada to lease satellite capacity from Telesat Canada on all 32 direct broadcast satellite ("DBS") transponders on the Nimiq 5 satellite at the 72.7 degree west longitude orbital location (the "Telesat Transponder Agreement"). In September 2009, we entered into an agreement with DISH Network, pursuant to which DISH Network leased satellite capacity from us on all 32 of the DBS transponders covered by the Telesat Transponder Agreement (the "DISH Nimiq 5 Agreement"). Under the terms of the DISH Nimiq 5 Agreement, DISH Network made certain monthly payments to us that commenced in September 2009, when the Nimiq 5 satellite was placed into service. We transferred the Telesat Transponder Agreement to DISH Network in September 2019 as part of the BSS Transaction; however, we retained certain obligations related to DISH Network's performance under that agreement and we entered into an agreement with DISH Network whereby DISH Network compensates us for retaining such obligations.

Real Estate Leases to DISH Network. We have entered into lease agreements pursuant to which DISH Network leases certain real estate from us. 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 at the time of the leases or subsequent amendments. Additionally, DISH Network compensates us for its portion of the taxes, insurance, utilities and/or maintenance of the premises. The terms of each of the leases are set forth below:

- ***100 Inverness Occupancy License Agreement*** — In March 2017, we and DISH Network entered into a license agreement for DISH Network to use certain of our space at 100 Inverness Terrace East, Englewood, Colorado for an initial period ending in December 2020. Effective December 2020, we amended this agreement to extend the license until December 2021. This agreement may be terminated by either party upon 180 days' prior notice. Subsequent to December 2021, this agreement will be converted to a month-to-month lease agreement unless extended by mutual consent or terminated by one of the parties upon 30 days' notice. In connection with the BSS Transaction, we transferred to DISH Network the Englewood Satellite Operations Center located at 100 Inverness Terrace East, including any and all equipment, hardware licenses, software, processes, software licenses, furniture and technical documentation associated with the satellites transferred in the BSS Transaction.

- ***Meridian Lease Agreement*** — The lease for all of 9601 S. Meridian Blvd., Englewood, Colorado was originally for a period ending in December 2016. We and DISH Network have amended this lease over time to, among other things, extend the term through December 2021. After December 2021, this agreement may be converted by mutual consent to a month-to-month lease agreement with either party having the right to terminate upon 30 days' notice.

TerreStar Agreement. In March 2012, DISH Network completed its acquisition of substantially all the assets of TerreStar Networks Inc. ("TerreStar"). Prior to DISH Network's acquisition of substantially all the assets of TerreStar and our completion of the Hughes Acquisition, TerreStar and HNS entered into various agreements pursuant to which we provide, among other things, warranty, operations and maintenance and hosting services for TerreStar's ground-based communications equipment (the "TerreStar Agreements"). In December 2017, we and DISH Network amended these agreements, effective as of January 1, 2018, to reduce certain pricing terms through December 31, 2023 and to modify certain termination provisions. DISH Network generally has the right to continue to receive warranty services from us for our products on a month-to-month basis unless terminated by DISH Network upon at least 21 days' written notice to us. DISH Network generally has the right to continue to receive operations and maintenance services from us on a quarter-to-quarter basis unless these services are terminated by DISH Network upon at least 90 days' written notice to us. The provision of hosting services will continue until May 2022. In addition, DISH Network generally may terminate any and all services for convenience subject to providing us with prior notice and/or payment of termination charges. In March 2020, we entered into an agreement with DISH Network pursuant to which we perform certain work and provide certain credits to amounts owed to us under the TerreStar Agreements in exchange for DISH Network's granting us rights to use certain satellite capacity under the Amended and Restated Professional Services Agreement (as defined below). As a result, we and DISH Network amended the TerreStar Agreements to suspend our provision of warranty services to DISH Network from April 2020 through December 2020. Following the expiration of this suspension, we have recommenced providing warranty services to DISH Network.

Hughes Broadband Distribution Agreement. Effective October 2012, we and DISH Network entered into a distribution agreement (the "Distribution Agreement") pursuant to which DISH Network has the right, but not the obligation, to market, sell and distribute our Gen 4 HughesNet service. DISH Network pays us a monthly per subscriber wholesale service fee for our Gen 4 HughesNet service based upon a subscriber's service level and based upon certain volume subscription thresholds. The Distribution Agreement also provides that DISH Network has the right, but not the obligation, to purchase certain broadband equipment from us to support the sale of the Gen 4 HughesNet service. The Distribution Agreement had an initial term of five years with automatic renewal for successive one-year terms unless terminated by either party with a written notice at least 180 days' before the expiration of the then-current term. In February 2014, we and DISH Network entered into an amendment to the Distribution Agreement which, among other things, extended the initial term of the Distribution Agreement until March 2024. Upon expiration or termination of the Distribution Agreement, we and DISH Network will continue to provide our Gen 4 HughesNet service to the then-current DISH Network subscribers pursuant to the terms and conditions of the Distribution Agreement.

DBSD North America Agreement. In March 2012, DISH Network completed its acquisition of all of the equity of DBSD North America, Inc. ("DBSD North America"). Prior to DISH Network's acquisition of DBSD North America and our completion of the Hughes Acquisition, DBSD North America and HNS entered into various agreements pursuant to which we provide, among other things, warranty, operations and maintenance and hosting services of DBSD North America's gateway and ground-based communications equipment. In December 2017, we and DBSD North America amended these agreements, effective as of January 1, 2018, to reduce certain pricing terms through December 31, 2023 and to modify certain termination provisions. DBSD North America has the right to continue to receive operations and maintenance services from us on a quarter-to-quarter basis, unless terminated by DBSD North America upon at least 120 days' written notice to us. In February 2019, we further amended these agreements to provide DBSD North America with the right to continue to receive warranty services from us on a month-to-month basis until December 2023, unless terminated by DBSD North America upon at least 21 days' written notice to us. The provision of hosting services will continue until February 2022 and will automatically renew for an additional five-year period until February 2027 unless terminated by DBSD North America upon at least 180 days' written notice to us. In addition, DBSD North America generally may terminate any and all such services for convenience, subject to providing us with prior notice and/or payment of termination charges.

Hughes Equipment and Services Agreement. In February 2019, we and DISH Network entered into an agreement pursuant to which we will sell to DISH Network our HughesNet Service and HughesNet equipment that has been modified to meet DISH Network's internet-of-things specifications for the transfer of data to DISH Network's network operations centers. This agreement has an initial term of five years expiring February 2024 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.

Operating Expenses — DISH Network

The following table presents our operating expenses related to DISH Network:

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Operating expenses - DISH Network	$ 1,813	$ 1,481	$ 3,120	$ 2,936

The following table presents the related trade accounts payable:

	As of	
	June 30, 2021	December 31, 2020
Trade accounts payable - DISH Network	$ 447	$ 752

Amended and Restated Professional Services Agreement. In connection with the Spin-off, we entered into various agreements with DISH Network including a transition services agreement, satellite procurement agreement and services agreement, all of which expired in January 2010 and were replaced by a professional services agreement (the "Professional Services Agreement"). In January 2010, we and DISH Network agreed that we continue to have the right, but not the obligation, to receive the following services from DISH Network, among others, certain of which were previously provided under a 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 DISH Network agreed that DISH Network would continue to have the right, but not the obligation, to engage us to manage the process of procuring new satellite capacity for DISH Network (previously provided under a satellite procurement agreement), receive logistics, procurement and quality assurance services from us (previously provided under a services agreement) and provide other support services. In connection with the consummation of the Share Exchange, we and DISH amended and restated the Professional Services Agreement (as amended to date, the "Amended and Restated Professional Services Agreement") to provide that we and DISH Network shall have the right to receive additional services that either we or DISH Network may require as a result of the Share Exchange, including access to antennas owned by DISH Network for our use in performing TT&C services and maintenance and support services for our antennas (collectively, the "TT&C Antennas"). In September 2019, in connection with the BSS Transaction, we and DISH further amended the Amended and Restated Professional Services Agreement to provide that we and DISH Network shall have the right to receive additional services that either we or DISH Network may require as a result of the BSS Transaction and to remove our access to and the maintenance and support services for the TT&C Antennas. The term of the Amended and Restated Professional Services Agreement is through January 1, 2022 and renews automatically for successive one-year periods thereafter, unless the agreement is terminated earlier by either party upon at least 60 days' notice. We or DISH Network may generally terminate the Amended and Restated Professional Services Agreement in part with respect to any particular service it receives for any reason upon at least 30 days' notice, unless the statement of work for particular services states otherwise. Certain services provided under the Amended and Restated Professional Services Agreement may survive the termination of the agreement.

Real Estate Leases from DISH Network. Effective March 2017, we entered into a lease with DISH Network for certain space at 530 EchoStar Drive in Cheyenne, Wyoming for an initial period ending in February 2019. In August 2018, we exercised our option to renew this lease for a one-year period ending in February 2020. In connection with the BSS Transaction, we transferred the Cheyenne Satellite Operations Center, including any equipment, software licenses, and furniture located within, to DISH Network and amended this lease to reduce the space provided to us for the Cheyenne Satellite Access Center for a period ending in September 2021. In March 2021, we exercised our option to renew this lease for a one-year period ending September 2022 and amended the lease to provide us the option to renew this lease for up to three additional years. The rent on a per square foot basis is comparable to per square foot rental rates of similar commercial property in the same geographic area at the time of the lease or subsequent amendments and includes our portion of the taxes, insurance, utilities and/or maintenance of the premises.

Collocation and Antenna Space Agreements. We and DISH Network have entered into an agreement pursuant to which DISH Network provided us with collocation space in El Paso, Texas. This agreement was for an initial period ending in July 2015, and provided us with renewal options for four consecutive three-year terms. We exercised our first renewal option for a period commencing in August 2015 and ending in July 2018, in April 2018 we exercised our second renewal option for a period ending in July 2021, and in May 2021 we exercised our third renewal option for a period ending in July 2024. In connection with the Share Exchange, effective March 2017, we also entered into certain agreements pursuant to which DISH Network provides collocation and antenna space to EchoStar through February 2022 at the following locations: Cheyenne, Wyoming; Gilbert, Arizona; New Braunfels, Texas; Monee, Illinois; Spokane, Washington; and Englewood, Colorado. In October 2019, we provided a termination notice for our New Braunfels, Texas agreement to be effective May 2020. In November 2020, we provided a termination notice for our Englewood, Colorado agreement to be effective May 2021. In August 2017, we and DISH Network also entered into certain other agreements pursuant to which DISH Network provides additional collocation and antenna space to us in Monee, Illinois and Spokane, Washington through August 2022. Generally, we may renew our collocation and antenna space agreements for three-year periods by providing DISH Network with prior written notice no more than 120 days but no less than 90 days prior to the end of the then-current term. We may terminate certain of these agreements with 180 days' prior written notice. In September 2019, in connection with the BSS Transaction, we entered into an agreement pursuant to which DISH Network provided us with certain additional collocation space in Cheyenne, Wyoming for a period that ended in September 2020. The fees for the services provided under these agreements depend on the number of racks located at the location.

Also in connection with the BSS Transaction, in September 2019, we entered into an agreement pursuant to which DISH Network provides us with antenna space and power in Cheyenne, Wyoming for a period of five years commencing in August 2020, with four three-year renewal terms, with prior written notice of renewal required no more than 120 days but no less than 90 days prior to the end of the then-current term. In March 2021, we entered into additional agreements pursuant to which DISH Network provides us with antenna space and power in Cheyenne, Wyoming, and the right to use an antenna and certain space in Gilbert, Arizona. Both agreements are for a period of five years with four three-year renewal terms, with prior written notice of renewal required no more than 120 days but no less than 90 days prior to the end of the then-current term.

Hughes Broadband Master Services Agreement. In conjunction with the launch of our EchoStar XIX satellite, in March 2017, we and DISH Network entered into a master service agreement (the "Hughes Broadband MSA") pursuant to which DISH Network, among other things: (i) has the right, but not the obligation, to market, promote and solicit orders and upgrades for our Gen 5 HughesNet service and related equipment and other telecommunication services and (ii) installs Gen 5 HughesNet service equipment with respect to activations generated by DISH Network. Under the Hughes Broadband MSA, we and DISH Network make certain payments to each other relating to sales, upgrades, purchases and installation services. The Hughes Broadband MSA has an initial term of five years through March 2022 with automatic renewal for successive one-year terms. Either party has the ability to terminate the Hughes Broadband 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 Hughes Broadband MSA, we will continue to provide our Gen 5 HughesNet service to subscribers and make certain payments to DISH Network pursuant to the terms and conditions of the Hughes Broadband MSA. We incurred sales incentives and other costs under the Hughes Broadband MSA totaling $1.9 million and $4.4 million for the three months ended June 30, 2021 and 2020, respectively, and $3.8 million and $9.0 million for the six months ended June 30, 2021 and 2020, respectively.

2019 TT&C Agreement. In September 2019, in connection with the BSS Transaction, we entered into an agreement pursuant to which DISH Network provides TT&C services to us for a period ending in September 2021, with the option for us to renew for a one-year period upon written notice at least 90 days prior to the initial expiration (the "2019 TT&C Agreement"). The fees for services provided under the 2019 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. Any party is able to terminate the 2019 TT&C Agreement for any reason upon 12 months' notice. In June 2021, we amended the 2019 TT&C Agreement to extend the term until September 2022 and added the option for us to renew the 2019 TT&C Agreement up to an additional three years.

Referral Marketing Agreement. In June 2021, we and DISH Network entered into an agreement pursuant to which we will pre-qualify prospects contacting Hughes call centers and transfer those prospects to DISH Network for introduction to DISH Network's video services, for prospects that convert Hughes will receive a commission. This agreement has an initial term of one year, after which time either party can provide 90 days' written notice of its decision to terminate.

Other Receivables - DISH Network

The following table presents our other receivables owed from DISH Network:

	As of	
	June 30, 2021	December 31, 2020
Other receivables - DISH Network	$ 92,818	$ 92,680

Tax Sharing Agreement. Effective December 2007, we and DISH Network entered into a tax sharing agreement (the "Tax Sharing Agreement") in connection with the Spin-off. This agreement governs our and DISH Network's 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 DISH Network and DISH Network indemnifies us for such taxes. However, DISH Network is not liable for and does not indemnify us 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 Code, because of: (i) a direct or indirect acquisition of any of our stock, stock options or assets; (ii) any action that we take or fail to take or (iii) any action that we take that is inconsistent with the information and representations furnished to the 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, we will be solely liable for, and will indemnify DISH Network for any resulting taxes, as well as any losses, claims and expenses. The Tax Sharing Agreement will 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.

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, in September 2013, we and DISH Network agreed upon a supplemental allocation of the tax benefits arising from certain tax items resolved in the course of the IRS's examination of our consolidated tax returns. Prior to the agreement with DISH Network in 2013, the federal tax benefits were reflected as a deferred tax asset for depreciation and amortization, which was netted in our non-current deferred tax liabilities. The agreement with DISH Network in 2013 requires DISH Network to pay us the federal tax benefit it receives at such time as we would have otherwise been able to realize such tax benefit. We recorded a non-current receivable from DISH Network in Other receivables - DISH Network and a corresponding increase in our *Deferred tax liabilities, net* to reflect the effects of this agreement in September 2013. In addition, in September 2013, we and DISH Network 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 DISH Network for such combined returns, through the taxable period ending on December 31, 2017 (the "State Tax Arrangement").

In August 2018, we and DISH Network amended the Tax Sharing Agreement and the 2013 agreements (the "Tax Sharing Amendment"). Under the Tax Sharing Amendment, to the extent permitted by applicable tax law, DISH Network is entitled to apply the benefit of our 2009 net operating losses (the "SATS 2009 NOLs") to DISH Network's federal tax return for the year ended December 31, 2008, in exchange for DISH Network paying us over time the value of the net annual federal income taxes paid by us that would have been otherwise offset by the SATS 2009 NOLs. The Tax Sharing Amendment also requires us and DISH Network to pay the other for the benefits of certain past and future federal research and development tax credits that we or DISH Network receive or received as a result of being part of a controlled group under the Code, and requires DISH Network to compensate us for certain past tax losses utilized by DISH Network and for certain past and future excess California research and development tax credits generated by us and used by DISH Network. In addition, the Tax Sharing Amendment extends the term of the State Tax Arrangement to the earlier to occur of termination of the Tax Sharing Agreement, a change in control of either us or DISH Network or, for any particular state, if we and DISH Network no longer file a combined tax return for such state.

We and DISH Network filed combined income tax returns in certain states from 2008 through 2019. We have earned and recognized tax benefits for certain state income tax credits that we would be unable to fully utilize currently if we had filed separately from DISH Network. We have charged *Additional paid-in capital* in prior periods when DISH Network has utilized such tax benefits. We expect to increase *Additional paid-in capital* upon receipt of any consideration that DISH Network pays to us in exchange for these tax credits.

Other Agreements

Master Transaction Agreement. In May 2019, we and BSS Corp. entered into the Master Transaction Agreement with DISH and Merger Sub with respect to the BSS Transaction. Pursuant to the terms of the Master Transaction Agreement, on September 10, 2019: (i) we transferred the BSS Business to BSS Corp.; (ii) we completed the Distribution; and (iii) immediately after the Distribution, (1) BSS Corp. became a wholly-owned subsidiary of DISH such that DISH owns and operates the BSS Business and (2) each issued and outstanding share of BSS Common Stock owned by EchoStar stockholders was converted into the right to receive 0.23523769 shares of DISH Common Stock. Following the consummation of the BSS Transaction, we no longer operate the BSS Business, which was a substantial portion of our ESS segment. The Master Transaction Agreement contained customary representations and warranties by us and DISH Network, including our representations relating to the assets, liabilities and financial condition of the BSS Business, and representations by DISH Network relating to its financial condition and liabilities. We and DISH Network have agreed to indemnify each other against certain losses with respect to breaches of certain representations and covenants and certain retained and assumed liabilities, respectively.

BSS Transaction Intellectual Property and Technology License Agreement. Effective September 2019, in connection with the BSS Transaction, we and DISH Network entered into an intellectual property and technology license agreement (the “BSS IPTLA”) pursuant to which we and DISH Network license to each other certain intellectual property and technology. The BSS IPTLA will continue in perpetuity, unless mutually terminated by the parties. Pursuant to the BSS IPTLA, we granted to DISH Network a license to our intellectual property and technology for use by DISH Network, among other things, in connection with its continued operation of the BSS Business acquired pursuant to the BSS Transaction, including a limited license to use the “ESS” and “ECHOSTAR SATELLITE SERVICES” trademarks during a transition period. EchoStar retains full ownership of the “ESS” and “ECHOSTAR SATELLITE SERVICES” trademarks. In addition, DISH Network granted a license back to us, among other things, for the continued use of all intellectual property and technology that is used in our retained businesses but the ownership of which was transferred to DISH Network pursuant to the BSS Transaction.

BSS Transaction Tax Matters Agreement. Effective September 2019, in connection with the BSS Transaction, we, BSS Corp. and DISH entered into a tax matters agreement. This agreement governs certain of our rights, responsibilities and obligations with respect to taxes of the BSS Business transferred pursuant to the BSS Transaction. Generally, we are responsible for all tax returns and tax liabilities for the BSS Business for periods prior to the BSS Transaction and DISH is responsible for all tax returns and tax liabilities for the BSS Business from and after the BSS Transaction. Both we and DISH made certain tax-related representations and are subject to various tax-related covenants after the consummation of the BSS Transaction. Both we and DISH Network have agreed to indemnify each other for certain losses if there is a breach of any the tax representations or violation of any of the tax covenants in the tax matters agreement and that breach or violation results in the failure of the BSS Transaction being treated as a transaction that is tax-free for EchoStar or its stockholders for U.S. federal income tax purposes. In addition, DISH Network has agreed to indemnify us if the BSS Business is acquired, either directly or indirectly (e.g., via an acquisition of DISH Network), by one or more persons, where either it took an action, or knowingly facilitated, consented to or assisted with an action by its stockholders, that resulted in the failure of the BSS Transaction being treated as a transaction that is tax-free for EchoStar and its stockholders for U.S. federal income tax purposes. This tax matters agreement supplements the Tax Sharing Agreement outlined above and the Share Exchange Tax Matters Agreement outlined below, both of which continue in full force and effect.

BSS Transaction Employee Matters Agreement. Effective September 2019, in connection with the BSS Transaction, we and DISH Network entered into an employee matters agreement that addressed the transfer of employees from us to DISH Network, including certain benefit and compensation matters and the allocation of responsibility for employee related liabilities relating to current and past employees of the BSS Business. DISH Network assumed employee-related liabilities relating to the BSS Business as part of the BSS Transaction, except that we are responsible for certain pre-BSS Transaction compensation and benefits for employees who transferred to DISH Network in connection with the BSS Transaction.

Share Exchange Agreement. In February 2017 we consummated the Share Exchange, following which we no longer operate the transferred EchoStar Technologies businesses and the Tracking Stock was retired and is no longer outstanding and all agreements, arrangements and policy statements with respect to such Tracking Stock terminated and are of no further effect. Pursuant to the Share Exchange Agreement, we transferred certain assets, investments in joint ventures, spectrum licenses and real estate properties and DISH Network assumed certain liabilities relating to the transferred assets and businesses. The Share Exchange Agreement contained customary representations and warranties by the parties, including representations by us related to the transferred assets, assumed liabilities and the financial condition of the transferred businesses. We and DISH Network also agreed to customary indemnification provisions whereby each party indemnifies the other against certain losses with respect to breaches of representations, warranties or covenants and certain liabilities and if certain actions undertaken by us or DISH causes the transaction to be taxable to the other party after closing.

Share Exchange Intellectual Property and Technology License Agreement. Effective March 2017, in connection with the Share Exchange, we and DISH Network entered into an intellectual property and technology license agreement (“IPTLA”) pursuant to which we and DISH Network 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, we granted to DISH Network a license to our intellectual property and technology for use by DISH Network, among other things, in connection with its continued operation of the businesses acquired pursuant to the Share Exchange, including a limited license to use the “ECHOSTAR” trademark during a transition period. EchoStar retains full ownership of the “ECHOSTAR” trademark. In addition, DISH Network granted a license back to us, among other things, for the continued use of all intellectual property and technology that is used in our retained businesses but the ownership of which was transferred to DISH Network pursuant to the Share Exchange.

Share Exchange Tax Matters Agreement. Effective March 2017, in connection with the Share Exchange, we and DISH entered into a tax matters agreement. This agreement governs certain of our rights, responsibilities and obligations with respect to taxes of the transferred businesses pursuant to the Share Exchange. Generally, we are responsible for all tax returns and tax liabilities for the transferred businesses and assets for periods prior to the Share Exchange and DISH Network is responsible for all tax returns and tax liabilities for the transferred businesses and assets from and after the Share Exchange. Both we and DISH Network made certain tax-related representations and are subject to various tax-related covenants after the consummation of the Share Exchange. Both we and DISH Network 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, DISH Network has agreed to indemnify us if the transferred businesses are acquired, either directly or indirectly (e.g., via an acquisition of DISH Network), 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 outlined above which continues in full force and effect.

Share Exchange Employee Matters Agreement. Effective March 2017, in connection with the Share Exchange, we and DISH Network entered into an employee matters agreement that addressed the transfer of employees from us to DISH Network, 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. DISH Network assumed employee-related liabilities relating to the transferred businesses as part of the Share Exchange, except that we are responsible for certain pre-Share Exchange employee related litigation, and compensation and benefits for employees who transferred to DISH Network in connection with the Share Exchange.

NOTE 12. RELATED PARTY TRANSACTIONS - OTHER

Hughes Systique Corporation

We contract with Hughes Systique Corporation ("Hughes Systique") for software development services. In addition to our approximately 43% ownership in Hughes Systique, Mr. Pradman Kaul, the President of our subsidiary Hughes Communications, Inc. and a member of our board of directors, and his brother, who is the Chief Executive Officer and President of Hughes Systique, own in the aggregate approximately 25%, on an undiluted basis, of Hughes Systique's outstanding shares as of June 30, 2021. Furthermore, Mr. Pradman Kaul serves on the board of directors of Hughes Systique. Hughes Systique is a variable interest entity and we are considered the primary beneficiary of Hughes Systique due to, among other factors, our ability to direct the activities that most significantly impact the economic performance of Hughes Systique. As a result, we consolidate Hughes Systique's financial statements in these Consolidated Financial Statements.

TerreStar Solutions

DISH Network owns more than 15% of TerreStar Solutions, Inc. ("TSI"). In May 2018, we and TSI entered into an equipment and services agreement pursuant to which we design, manufacture and install upgraded ground communications network equipment for TSI's network and provide, among other things, warranty and support services. We recognized revenue of $0.5 million and $0.9 million, for the three months ended June 30, 2021 and 2020, respectively, and $0.9 million and $3.1 million for the six months ended June 30, 2021 and 2020, respectively. As of December 31, 2020, we had $0.4 million trade accounts receivable from TSI.

NOTE 13. CONTINGENCIES

Patents and Intellectual Property

Many entities, including some of our competitors, have, or may have in the future, patents and other intellectual property rights that cover or affect products or services directly or indirectly related to those that we offer. We may not be aware of all patents and other intellectual property rights that our products and services may potentially infringe. Damages in patent infringement cases can be substantial, and in certain circumstances can be tripled. Further, we cannot estimate the extent to which we may be required in the future to obtain licenses with respect to intellectual property rights held by others and the availability and cost of any such licenses. Various parties have asserted patent and other intellectual property rights with respect to our products and services. We cannot be certain that these parties do not own the rights they claim, that these rights are not valid or that our products and services do not infringe on these rights. Further, we cannot be certain that we would be able to obtain licenses from these parties on commercially reasonable terms or, if we were unable to obtain such licenses, that we would be able to redesign our products and services to avoid infringement.

Certain Arrangements with DISH Network

In connection with our spin-off from DISH in 2008, we entered into a separation agreement with DISH Network that provides, among other things, for the division of certain liabilities, including liabilities resulting from litigation. Under the terms of the separation agreement, we assumed certain liabilities that relate to our 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 we will generally only be liable for our acts or omissions following the Spin-off and DISH Network will indemnify us for any liabilities or damages resulting from intellectual property claims relating to the period prior to the Spin-off as well as DISH Network's acts or omissions following the Spin-off. In connection with the Share Exchange and BSS Transaction, we entered into the Share Exchange Agreement and the Master Transaction Agreement, respectively, and other agreements which provide, among other things, for the division of certain liabilities, including liabilities relating to taxes, intellectual property and employees and liabilities resulting from litigation and the assumption of certain liabilities that relate to the transferred businesses and assets. These agreements also contain additional indemnification provisions between us and DISH Network for, in the case of the Share Exchange, certain pre-existing liabilities and legal proceedings and, in the case of the BSS Transaction, certain losses with respect to breaches of certain representations and covenants and certain liabilities.

Litigation

We are involved in a number of legal proceedings concerning matters arising in connection with the conduct of our business activities. Many of these proceedings are at preliminary stages and/or 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 and to determine if accruals are appropriate. We record an accrual for litigation and other loss contingencies when we determine that a loss is probable, and the amount of the loss can be reasonably estimated. If accruals are not appropriate, we further evaluate each legal proceeding to assess whether an estimate of possible loss or range of loss can be made. There can be no assurance that legal proceedings against us will be resolved in amounts that will not differ from the amounts of our recorded accruals. Legal fees and other costs of defending legal proceedings are charged to expense as incurred.

For certain proceedings, management is unable to predict with any degree of certainty the outcome or 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 or specified; (iii) damages are unsupported, indeterminate and/or exaggerated in management's opinion; (iv) there is uncertainty as to the outcome of pending trials, appeals, motions or other proceedings; (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 are involved (as with many patent-related cases). Except as described below, however, management does not believe, based on currently available information, that the outcomes of these proceedings will have a material effect on our financial condition, operating results or cash flows, though there is no assurance that the resolution and outcomes of these proceedings, individually or in the aggregate, will not be material to our financial condition, operating results or cash flows for any particular period, depending, in part, upon the operating results for such period.

We intend to vigorously defend the proceedings against us. In the event that a court, tribunal, other body or jury ultimately rules against us, we may be subject to adverse consequences, including, without limitation, substantial damages, which may include treble damages, fines, penalties, compensatory damages and/or other equitable or injunctive relief that could require us to materially modify our business operations or certain products or services that we offer to our consumers.

Shareholder Litigation

On July 2, 2019, the City of Hallandale Beach Police Officers' and Firefighters' Personnel Retirement Trust, purporting to sue on behalf of a class of EchoStar Corporation's stockholders, filed a complaint in the District Court of Clark County, Nevada against our directors, Charles W. Ergen, R. Stanton Dodge, Anthony M. Federico, Pradman P. Kaul, C. Michael Schroeder, Jeffrey R. Tarr, William D. Wade, and Michael T. Dugan; our chief financial officer, David J. Rayner; EchoStar Corporation; our subsidiary Hughes Satellite Systems Corporation ("HSSC"); our former subsidiary BSS Corp.; and DISH and its subsidiary Merger Sub. On September 5, 2019, the defendants filed motions to dismiss. On October 11, 2019, the plaintiffs filed an amended complaint removing Messrs. Dodge, Federico, Kaul, Schroeder, Tarr and Wade as defendants. The amended complaint alleges that Mr. Ergen, as our controlling stockholder, breached fiduciary duties to EchoStar Corporation's minority stockholders by structuring the BSS Transaction with inadequate consideration and improperly influencing our and HSSC's boards of directors to approve the BSS Transaction. The amended complaint also alleges that the other defendants aided and abetted such alleged breaches. The plaintiffs seek equitable and monetary relief, including the issuance of additional DISH Common Stock, and other costs and disbursements, including attorneys' fees on behalf of the purported class. On November 11, 2019, we and the other defendants filed separate motions to dismiss plaintiff's amended complaint and during a hearing on January 13, 2020 the court denied these motions. On February 10, 2020, we and the other defendants filed answers to the amended complaint. The Court certified plaintiff's class on January 11, 2021. On June 18, 2021, the parties executed a settlement agreement to resolve all claims in this case. On the same day, the parties filed a joint motion for preliminary approval of the settlement agreement. The motion was granted by an order dated July 30, 2021.

License Fee Dispute with Government of India, Department of Telecommunications

In 1994, the Government of India promulgated a “National Telecommunications Policy” under which the government liberalized the telecommunications sector and required telecommunications service providers to pay fixed license fees. Pursuant to this policy, our subsidiary Hughes Communications India Private Limited (“HCIPL”), formerly known as Hughes Escorts Communications Limited, obtained a license to operate a data network over satellite using VSAT systems. In 2002, HCIPL’s license was amended pursuant to a new government policy that was first established in 1999. The new policy eliminated the fixed license fees and instead required each telecommunications service provider to pay license fees based on its adjusted gross revenue (“AGR”). In March 2005, the Indian Department of Telecommunications (“DOT”) notified HCIPL that, based on its review of HCIPL’s audited accounts and AGR statements, HCIPL must pay additional license fees and penalties and interest on such fees and penalties. HCIPL responded that the DOT had improperly calculated its AGR by including revenue from licensed and unlicensed activities. The DOT rejected this explanation and in 2006, HCIPL filed a petition with an administrative tribunal (the “Tribunal”), challenging the DOT’s calculation of its AGR. The DOT also issued license fee assessments to other telecommunications service providers and a number of similar petitions were filed by several other such providers with the Tribunal. These petitions were amended, consolidated, remanded and re-appealed several times. On April 23, 2015, the Tribunal issued a judgment affirming the DOT’s calculation of AGR for the telecommunications service providers but reversing the DOT’s imposition of interest, penalties and interest on such penalties as excessive. Over subsequent years, the DOT and HCIPL and other telecommunications service providers, respectively, filed several appeals of the Tribunal’s ruling. On October 24, 2019, the Supreme Court of India (“Supreme Court”) issued an order (the “October 2019 Order”) affirming the license fee assessments imposed by the DOT, including its imposition of interest, penalties and interest on the penalties, but without indicating the amount HCIPL is required to pay the DOT, and ordering payment by January 23, 2020. On November 23, 2019, HCIPL and other telecommunication service providers filed a petition asking the Supreme Court to reconsider the October 2019 Order. The petition was denied on January 20, 2020. On January 22, 2020, HCIPL and other telecommunication service providers filed an application requesting that the Supreme Court modify the October 2019 Order to permit the DOT to calculate the final amount due and extend HCIPL’s and the other telecommunication service providers’ payment deadline. On February 14, 2020, the Supreme Court directed HCIPL and the other telecommunication service providers to explain why the Supreme Court should not initiate contempt proceedings for failure to pay the amounts due. During a hearing on March 18, 2020, the Supreme Court ordered that all amounts that were due before the October 2019 Order must be paid, including interest, penalties and interest on the penalties. The Supreme Court also ordered that the parties appear for a further hearing addressing, potentially among other things, a proposal by the DOT to allow for extended or deferred payments of amounts due. On June 11, 2020, the Supreme Court ordered HCIPL and the other telecommunication service providers to submit affidavits addressing the proposal made by the DOT to extend the time frame for payment of the amounts owed and for HCIPL and the other telecommunication providers to provide security for such payments. On September 1, 2020, the Supreme Court issued a judgment permitting a 10-year payment schedule. Under this payment schedule, HCIPL is required to make an annual payment every March 31, through 2031. Following the Supreme Court of India’s October 2019 judgment, HCIPL made payments during the first quarter of 2020, and an additional payment on March 31, 2021.

The following table presents the components of the accrual:

	As of	
	June 30, 2021	December 31, 2020
Additional license fees	$ 3,816	$ 3,890
Penalties	3,917	3,992
Interest and interest on penalties	78,262	76,871
Less: Payments	(8,460)	(2,975)
Total accrual	$ 77,535	$ 81,778

Any eventual payments made with respect to the ultimate outcome of this matter may be different from our accrual and such differences could be significant.

Other

In addition to the above actions, we are subject to various other legal proceedings and claims, which arise in the ordinary course of business. As part of our ongoing operations, we are subject to various inspections, audits, inquiries, investigations and similar actions by third parties, as well as by governmental/regulatory authorities responsible for enforcing the laws and regulations to which we may be subject. Further, under the federal False Claims Act, private parties have the right to bring qui tam, or “whistleblower,” suits against companies that submit false claims for payments to, or improperly retain overpayments from, the federal government. Some states have adopted similar state whistleblower and false claims provisions. In addition, we from time to time receive inquiries from federal, state and foreign agencies regarding compliance with various laws and regulations.

In our opinion, the amount of ultimate liability with respect to any of these other actions is unlikely to materially affect our financial position, results of operations or cash flows, though the resolutions and outcomes, individually or in the aggregate, could be material to our financial position, operating results or cash flows for any particular period, depending, in part, upon the operating results for such period.

We also indemnify our directors, officers and employees for certain liabilities that might arise from the performance of their responsibilities for us. Additionally, in the normal course of its business, we enter into contracts pursuant to which we may make a variety of representations and warranties and indemnify the counterparty for certain losses. Our possible exposure under these arrangements cannot be reasonably estimated as this involves the resolution of claims made, or future claims that may be made, against us or our officers, directors or employees, the outcomes of which are unknown and not currently predictable or estimable.

NOTE 14. SEGMENT REPORTING

Business segments are components of an enterprise for which separate financial information is available and regularly evaluated by our chief operating decision maker (“CODM”), who is our Chief Executive Officer. We operate in two business segments, Hughes and ESS.

The primary measure of segment profitability that is reported regularly to our CODM is earnings before interest, taxes, depreciation and amortization, and net income (loss) attributable to non-controlling interests (“EBITDA”).

Total assets by segment have not been reported herein because the information is not provided to our CODM on a regular basis.

The following table presents total revenue, capital expenditures and EBITDA for each of our business segments:

	Hughes	ESS	Corporate and Other	Consolidated Total
For the three months ended June 30, 2021				
External revenue	$ 492,276	$ 4,195	$ 3,363	$ 499,834
Intersegment revenue	—	88	(88)	—
Total revenue	$ 492,276	$ 4,283	$ 3,275	$ 499,834
Capital expenditures	$ 72,187	$ —	$ 11,045	$ 83,232
EBITDA	$ 210,194	$ 2,243	$ (11,380)	$ 201,057
For the three months ended June 30, 2020				
External revenue	$ 453,172	$ 3,786	$ 2,508	$ 459,466
Intersegment revenue	—	393	(393)	—
Total revenue	$ 453,172	$ 4,179	$ 2,115	$ 459,466
Capital expenditures	$ 83,479	$ —	$ 8,821	$ 92,300
EBITDA	$ 186,619	$ 1,543	$ (31,338)	$ 156,824

	Hughes	ESS	Corporate and Other	Consolidated Total
For the six months ended June 30, 2021				
External revenue	$ 968,136	$ 8,196	$ 6,084	$ 982,416
Intersegment revenue	—	176	(176)	—
Total revenue	$ 968,136	$ 8,372	$ 5,908	$ 982,416
Capital expenditures	$ 154,382	$ —	$ 108,084	$ 262,466
EBITDA	$ 408,772	$ 4,162	$ 46,793	$ 459,727
For the six months ended June 30, 2020				
External revenue	$ 911,654	$ 8,153	$ 5,325	$ 925,132
Intersegment revenue	—	678	(678)	—
Total revenue	$ 911,654	$ 8,831	$ 4,647	$ 925,132
Capital expenditures	$ 174,996	$ —	$ 21,908	$ 196,904
EBITDA	$ 341,260	$ 3,573	$ (96,778)	$ 248,055

The following table reconciles *Income (loss) before income taxes* in the Consolidated Statements of Operations to EBITDA:

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Income (loss) before income taxes	$ 56,167	$ (3,992)	$ 155,886	$ (69,221)
Interest income, net	(5,240)	(10,760)	(11,189)	(26,343)
Interest expense, net of amounts capitalized	28,868	38,258	63,535	74,491
Depreciation and amortization	118,982	129,887	248,268	262,255
Net loss (income) attributable to non-controlling interests	2,280	3,431	3,227	6,873
EBITDA	$ 201,057	$ 156,824	$ 459,727	$ 248,055

NOTE 15. SUPPLEMENTAL FINANCIAL INFORMATION

Other Current Assets, Net and Other Non-current Assets, Net

The following table presents the components of *Other current assets, net and Other non-current assets, net*:

	As of	
	June 30, 2021	December 31, 2020
Other current assets, net:		
Trade accounts receivable - DISH Network	$ 7,406	$ 5,612
Inventory	96,227	97,992
Prepaids and deposits	63,806	55,381
Other, net	26,656	30,836
Total other current assets	$ 194,095	$ 189,821
Other non-current assets, net:		
Other receivables - DISH Network	$ 92,818	$ 92,680
Restricted marketable investment securities	14,224	9,090
Restricted cash	961	807
Deferred tax assets, net	1,746	1,781
Capitalized software, net	122,161	116,661
Contract acquisition costs, net	92,723	99,837
Contract fulfillment costs, net	2,229	2,580
Other, net	37,960	29,485
Total other non-current assets, net	$ 364,822	$ 352,921

Accrued Expenses and Other Current Liabilities

The following table presents the components of *Accrued expenses and other current liabilities:*

	As of	
	June 30, 2021	December 31, 2020
Accrued expenses and other current liabilities:		
Trade accounts payable - DISH Network	$ 447	$ 752
Accrued interest	38,527	42,388
Accrued compensation	61,164	62,299
Accrued taxes	17,134	20,297
Operating lease obligation	15,513	14,699
Other	164,864	159,564
Total accrued expenses and other current liabilities	$ 297,649	$ 299,999

Inventory

The following table presents the components of inventory:

	As of	
	June 30, 2021	December 31, 2020
Raw materials	$ 7,546	$ 4,564
Work-in-process	7,957	8,280
Finished goods	80,724	85,148
Total inventory	$ 96,227	$ 97,992

Supplemental and Non-cash Investing and Financing Activities

The following table presents the supplemental and non-cash investing and financing activities:

	For the six months ended June 30,	
	2021	2020
Supplemental disclosure of cash flow information:		
Cash paid for interest, net of amounts capitalized	$ 60,523	$ 72,450
Cash paid for income taxes	$ 14,778	$ 2,422
Non-cash investing and financing activities:		
Employee benefits paid in Class A common stock	$ 7,124	$ 6,920
Increase (decrease) in capital expenditures included in accounts payable, net	$ 8,417	$ 2,055
Non-cash net assets received in exchange for a 20% ownership interest in our existing Brazilian subsidiary	$ —	$ 2,824

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

Unless the context indicates otherwise, the terms "we," "us," "EchoStar," the "Company" and "our" refer to EchoStar Corporation and its subsidiaries. The following Management's Discussion and Analysis of our Financial Condition and Results of Operations ("Management's Discussion and Analysis") should be read in conjunction with our accompanying Consolidated Financial Statements and notes thereto ("Accompanying Consolidated Financial Statements") in Item 1 of this Quarterly Report on Form 10-Q ("Form 10-Q"). This Management's Discussion and Analysis is intended to help provide an understanding of our financial condition, changes in our financial condition and our results of operations. Many of the statements in this Management's Discussion and Analysis are forward-looking statements that involve assumptions and are subject to risks and uncertainties that are often difficult to predict and beyond our control. Actual results could differ materially from those expressed or implied by such forward-looking statements. Refer to the Disclosure Regarding Forward-Looking Statements in this Form 10-Q for further discussion. For a discussion of additional risks, uncertainties and other factors that could impact our results of operations or financial condition, refer to the Risk Factors in Part II, Item 1A of this Form 10-Q and in Part I, Item 1A of our most recent Annual Report on Form 10-K ("Form 10-K") filed with the Securities and Exchange Commission ("SEC"). Further, such forward-looking statements speak only as of the date of this Form 10-Q and we undertake no obligation to update them.

EXECUTIVE SUMMARY

We are a global provider of broadband satellite technologies, broadband internet services for consumer customers, which include home and small to medium-sized businesses, and satellite services. We also deliver innovative network technologies, managed services and communications solutions for enterprise customers, which include aeronautical and government enterprises.

We currently operate in two business segments: Hughes and ESS. These segments are consistent with the way we make decisions regarding the allocation of resources, as well as how operating results are reviewed by our chief operating decision maker, who is the Company's Chief Executive Officer.

Our operations also include various corporate departments (primarily Executive, Treasury, Strategic Development, Human Resources, Information Technology, Finance, Accounting, Real Estate and Legal) and other activities, such as costs incurred in certain satellite development programs and other business development activities, and gains or losses from certain of our investments, that have not been assigned to our business segments. These activities, costs and income, as well as eliminations of intersegment transactions, are accounted for in *Corporate and Other* in our segment reporting.

All amounts presented in this Management's Discussion and Analysis, unless otherwise noted, are expressed in thousands of United States ("U.S.") dollars, except share and per share amounts and unless otherwise noted.

Highlights from our financial results are as follows:

Consolidated Results of Operations for the Three Months Ended June 30, 2021:

- Revenue of $499.8 million
- Operating income of $65.3 million
- Net income of $35.0 million
- Net income attributable to EchoStar common stock of $37.3 million and basic and diluted earnings per share of common stock of $0.41
- Earnings before interest, taxes, depreciation and amortization, and net income attributable to non-controlling interests ("EBITDA") of $201.1 million (see reconciliation of this non-GAAP measure in Results of Operations)

Consolidated Financial Condition as of June 30, 2021:

- Total assets of $6.2 billion
- Total liabilities of $2.6 billion
- Total stockholders' equity of $3.6 billion
- Cash and cash equivalents and marketable investment securities of $1.6 billion

Hughes Segment

Our Hughes segment is a global provider of broadband satellite technologies and broadband internet services to consumer customers and broadband network technologies, managed services, equipment, hardware, satellite services and communications solutions to consumer and enterprise customers. The Hughes segment also designs, provides and installs gateway and terminal equipment to customers for other satellite systems. In addition, our Hughes segment designs, develops, constructs and provides telecommunication networks comprising satellite ground segment systems and terminals to mobile system operators and our enterprise customers.

We incorporate advances in technology to reduce costs and to increase the functionality and reliability of our products and services. Through advanced and proprietary methodologies, technologies, software and techniques, we continue to improve the efficiency of our networks. We invest in technologies to enhance our system and network management capabilities, specifically our managed services for enterprises. We also continue to invest in next generation technologies that can be applied to our future products and services.

We continue to focus our efforts on growing our consumer revenue by maximizing utilization of our existing satellites while planning for new satellite capacity to be launched or acquired. Our consumer revenue growth depends on our success in adding new and retaining existing subscribers across wholesale and retail channels, as well as increasing our Average Revenue Per User/subscriber ("ARPU"). Service and acquisition costs related to ongoing support for our direct and indirect customers and partners are typically impacted most significantly by our growth. The growth of our enterprise businesses relies heavily on global economic conditions and the competitive landscape for pricing relative to competitors and alternative technologies. We have seen a limited number of our enterprise customers file for bankruptcy protection. We have reserved an amount related to pre-petition receivables and are working closely with these customers on providing post-petition services and products, as well as working with the customer regarding collection of pre-petition amounts.

Our Hughes segment currently uses capacity from three of our satellites (the SPACEWAY 3 satellite, the EchoStar XVII satellite and the EchoStar XIX satellite), our Al Yah 3 Brazilian payload and additional satellite capacity acquired from third-party providers to provide services to our customers. Growth of our consumer subscriber base in the U.S. continues to be constrained where we are nearing or have reached maximum capacity in most areas. While these constraints are not expected to be resolved until we launch new satellites, we continue to focus on revenue growth in all areas and consumer subscriber growth in the areas where we have available capacity.

In May 2019, we entered into an agreement with Bharti Airtel Limited ("BAL") and its subsidiary, Bharti Airtel Services Limited (together with BAL, "Bharti"), pursuant to which Bharti will contribute its very small aperture terminal ("VSAT") telecommunications services and hardware business in India to our two existing Indian subsidiaries that conduct our VSAT services and hardware business. The combined entities will provide broadband satellite and hybrid solutions for enterprise networks. Upon consummation of the transaction, Bharti will have a 33% ownership interest in the combined business. The completion of the transaction is subject to customary regulatory approvals and closing conditions. No assurance can be given that the transaction will be consummated on the terms agreed to or at all.

In August 2017, we entered into a long-term contract for the design and construction of the EchoStar XXIV satellite, a new, next-generation, high throughput geostationary satellite. The EchoStar XXIV satellite is primarily intended to provide additional capacity for our HughesNet satellite internet service ("HughesNet service") in North, Central and South America as well as enterprise broadband services. The EchoStar XXIV satellite is expected to be launched in the second half of 2022. Further delays or impediments could have a material adverse impact on our business operations, future revenues, financial position and prospects, the completion of manufacture of the EchoStar XXIV satellite and our planned expansion of satellite broadband services throughout North, South and Central America. In December 2020, we entered into an agreement with a launch provider for the launch of EchoStar XXIV. Capital expenditures associated with the construction and launch of the EchoStar XXIV satellite are included in *Corporate and Other* in our segment reporting.

We continue our efforts to expand our consumer satellite services business outside of the U.S. We have been delivering high-speed consumer satellite broadband services in Brazil since July 2016 and are also providing satellite broadband internet service in several other Latin American countries. In September 2015, we entered into 15-year agreements with affiliates of Telesat Canada for Ka-band capacity on the Telesat T19V satellite located at the 63 degree west longitude orbital location, which was launched in July 2018. Telesat T19V was placed in service during the fourth quarter of 2018 and augmented the capacity being provided by the EUTELSAT 65 West A satellite and the EchoStar XIX satellite in South America. In March 2021, we entered into an agreement for additional capacity on the Telesat T19V satellite over Puerto Rico.

Our broadband subscribers include customers that subscribe to our HughesNet services in the U.S. and Latin America through retail, wholesale and small/medium enterprise service channels.

The following table presents our approximate number of broadband subscribers:

	As of	
	June 30, 2021	**March 31, 2021**
United States	1,144,000	1,164,000
Latin America	398,000	389,000
Total broadband subscribers	1,542,000	1,553,000

The following table presents the approximate number of net subscriber additions:

	For the three months ended	
	June 30, 2021	**March 31, 2021**
United States	(20,000)	(25,000)
Latin America	9,000	14,000
Total net subscriber additions	(11,000)	(11,000)

Our U.S. consumer subscriber base in certain areas continues to be capacity constrained and we are managing the available capacity to maintain service quality to our existing subscribers. While the balancing of total subscribers relative to capacity utilization in the second quarter resulted in lower total subscribers, ARPU increased.

In Latin America, we continued to see growth in our subscriber base compared to the first quarter of 2021. Net subscriber additions are lower in the second quarter of 2021 mainly due to lower gross additions. Continued stay-at-home conditions throughout the region have driven increased bandwidth demand and we are experiencing capacity constraints in certain markets. Similar to the U.S., we are balancing capacity utilization with subscriber levels in the impacted areas.

As of June 30, 2021 and December 31, 2020, our Hughes segment had $1.4 billion and $1.3 billion of contracted revenue backlog, respectively. We define Hughes contracted revenue backlog as our expected future revenue under enterprise customer contracts that are non-cancelable, including lease revenue.

ESS Segment

Our ESS segment provides satellite services on a full-time and/or occasional-use basis to U.S. government service providers, internet service providers, broadcast news organizations, content providers and private enterprise customers. We operate our ESS business using primarily the EchoStar IX satellite and the EchoStar 105/SES-11 satellite and related infrastructure. Revenue in our ESS segment depends largely on our ability to continuously make use of our available satellite capacity with existing customers and our ability to enter into commercial relationships with new customers. Our ESS segment, like others in the fixed satellite services industry, has encountered, and may continue to encounter, negative pressure on transponder rates and demand.

As of June 30, 2021 and December 31, 2020, our ESS segment had contracted revenue backlog of $7.5 million and $6.7 million, respectively. We define contracted revenue backlog for our ESS segment as contracted future satellite lease revenue.

Other Business Opportunities

Our industry continues to evolve with the increasing worldwide demand for broadband internet access for information, entertainment and commerce. The current COVID-19 pandemic has made even more evident the worldwide need and demand for connectivity and communications to facilitate an ever-increasing virtual global community and workplace. In addition to fiber and wireless systems, technologies such as geostationary high throughput satellites, low-earth orbit ("LEO") networks and medium-earth orbit ("MEO") systems are expected to continue to play significant roles in enabling global broadband access, networks and services. We intend to use our expertise, technologies, capital, investments, global presence, relationships and other capabilities to continue to provide broadband internet systems, equipment, networks and services for information, the internet-of-things, entertainment, education, remote-connectivity and commerce across industries and communities globally for consumer and enterprise customers. We are closely tracking the developments in next-generation satellite businesses, and we are seeking to utilize our services, technologies, licenses and expertise to find new commercial opportunities for our business.

We intend to continue to selectively explore opportunities to pursue investments, commercial alliances, partnerships, joint ventures, acquisitions, dispositions and other strategic initiatives and transactions, domestically and internationally, that we believe may allow us to increase our existing market share, increase our satellite capacity, expand into new satellite and other technologies, markets and customers, broaden our portfolio of services, products and intellectual property, make our business more valuable, align us for future growth and expansion, maximize the return on our investments and strengthen our business and relationships with our customers. We may allocate or dispose of significant resources for long-term value that may not have a short or medium-term or any positive impact on our revenue, results of operations, or cash flow.

S-Band Strategy

We intend to continue to explore the development and deployment of S-band technologies that we expect will reduce the cost of satellite communications for internet of things, machine-to-machine communications, public protection, disaster relief and other end-to-end services worldwide and the integration of our products and services into new global, hybrid networks that leverage multiple satellites and terrestrial technologies. We believe we remain in a unique position to deploy a mobile satellite service ("MSS") and complementary ground component ("CGC") network in the European Union and its member states ("E.U."), the United Kingdom ("U.K.") and other European countries through our EchoStar XXI satellite, which was placed into service in November 2017, and the EUTELSAT 10A payload. We have positioned ourselves to continue to develop the S-band spectrum globally by acquiring Sirion Global Pty Ltd., which we have renamed EchoStar Global which holds global S-band non-geostationary satellite spectrum rights for MSS. Additionally, we entered into a contract with Tyvak Nano-Satellite Systems, Inc. for the design and construction of S-band nano-satellites. We launched two nano-satellites in the third quarter of 2020. Following launch, both nano-satellites experienced technical anomalies that precluded them from fulfilling their intended regulatory milestone missions. We obtained milestone relief due to these force majeure events. In the second quarter of 2021, we launched our third nano-satellite. The nano-satellite was successfully commissioned and placed at the altitude prescribed in our license for the S-band frequency. We have therefore satisfied the extended conditions granted to Australia by the International Telecommunication Union ("ITU"), an important step in perfecting our rights to this spectrum. The nano-satellite will now be used to develop and test a wide range of potential S-band applications and services. We also hold licenses for S-band MSS and terrestrial services in Mexico.

Cybersecurity

We and third parties with whom we work face a constantly evolving landscape of cybersecurity threats in which hackers and other parties use a complex assortment of techniques and methods to execute cyberattacks. Cybersecurity incidents have increased significantly in quantity and severity and are expected to continue to increase. In addition to our efforts to mitigate cyber-attacks, we are making investments to alleviate the potential impact to our products. As a result of these efforts, we could discover new vulnerabilities within our products and systems. We may not discover all such vulnerabilities due to the scale of activities on our platforms, or due to other factors, including but not limited to issues outside of our control. In addition, our IT systems and infrastructure are vulnerable to damage from a variety of sources, including telecommunications or network failures, malicious human acts and natural disasters. Moreover, despite network security and backup measures, some of our servers are potentially vulnerable to physical or electronic break-ins, computer viruses and similar disruptive problems.

We are not aware of any cyber-incidents with respect to our owned or leased satellites or other networks, equipment or systems that have had a material adverse effect on our business, costs, operations, prospects, results of operation or financial position during the three and six months ended June 30, 2021. There can be no assurance, however, that any such incident can be detected or thwarted or will not have such a material adverse effect in the future.

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS - CONTINUED

RESULTS OF OPERATIONS

Three Months Ended June 30, 2021 Compared to the Three Months Ended June 30, 2020

The following table presents our consolidated results of operations for the three months ended June 30, 2021 compared to the three months ended June 30, 2020:

	For the three months ended June 30,		Variance	
Statements of Operations Data	**2021**	**2020**	**Amount**	**%**
Revenue:				
Services and other revenue	$ 431,279	$ 417,043	$ 14,236	3.4
Equipment revenue	68,555	42,423	26,132	61.6
Total revenue	499,834	459,466	40,368	8.8
Costs and expenses:				
Cost of sales - services and other	139,547	141,019	(1,472)	(1.0)
% of total services and other revenue	**32.4 %**	**33.8 %**		
Cost of sales - equipment	54,503	32,542	21,961	67.5
% of total equipment revenue	**79.5 %**	**76.7 %**		
Selling, general and administrative expenses	114,038	113,798	240	0.2
% of total revenue	**22.8 %**	**24.8 %**		
Research and development expenses	7,441	7,448	(7)	(0.1)
% of total revenue	**1.5 %**	**1.6 %**		
Depreciation and amortization	118,982	129,887	(10,905)	(8.4)
Impairment of long-lived assets	15	—	15	*
Total costs and expenses	434,526	424,694	9,832	2.3
Operating income (loss)	65,308	34,772	30,536	87.8
Other income (expense):				
Interest income, net	5,240	10,760	(5,520)	(51.3)
Interest expense, net of amounts capitalized	(28,868)	(38,258)	9,390	(24.5)
Gains (losses) on investments, net	30,633	(6,090)	36,723	*
Equity in earnings (losses) of unconsolidated affiliates, net	(4,044)	(6,345)	2,301	(36.3)
Foreign currency transaction gains (losses), net	665	1,560	(895)	(57.4)
Other, net	(12,767)	(391)	(12,376)	*
Total other income (expense), net	(9,141)	(38,764)	29,623	(76.4)
Income (loss) before income taxes	56,167	(3,992)	60,159	*
Income tax benefit (provision), net	(21,152)	(10,851)	(10,301)	94.9
Net income (loss)	35,015	(14,843)	49,858	*
Less: Net loss (income) attributable to non-controlling interests	2,280	3,431	(1,151)	(33.5)
Net income (loss) attributable to EchoStar Corporation common stock	$ 37,295	$ (11,412)	$ 48,707	*
Other data:				
EBITDA [(1)]	$ 201,057	$ 156,824	$ 44,233	28.2
Subscribers, end of period	1,542,000	1,542,000	—	—

* Percentage is not meaningful.

(1) A reconciliation of EBITDA to Net income (loss), the most directly comparable U.S. GAAP measure in our Accompanying Consolidated Financial Statements, is included in Results of Operations. For further information on our use of EBITDA, see Explanation of Key Metrics and Other Items.

The following discussion relates to our results of operations for the three months ended June 30, 2021 and 2020.

Services and other revenue. Services and other revenue totaled $431.3 million for the three months ended June 30, 2021, an increase of $14.2 million, or 3.4%, as compared to 2020. The increase was primarily attributable to increases in sales of broadband services to our consumer customers of $12.4 million. The variance reflects the positive impact of exchange rate fluctuations of $2.3 million.

Equipment revenue. Equipment revenue totaled $68.6 million for the three months ended June 30, 2021, an increase of $26.1 million, or 61.6%, as compared to 2020. The increase was primarily attributable to increases in hardware sales of $27.4 million to our enterprise customers, partially offset by decreases in hardware sales of $1.5 million to our consumer customers.

Cost of sales - services and other. Cost of sales - services and other totaled $139.5 million for the three months ended June 30, 2021, a decrease of $1.5 million, or 1.0%, as compared to 2020. The decrease was attributable to lower costs of services provided to our consumer and enterprise customers primarily associated with field services and leased satellite capacity.

Cost of sales - equipment. Cost of sales - equipment totaled $54.5 million for the three months ended June 30, 2021, an increase of $22.0 million, or 67.5%, as compared to 2020. The increase was primarily attributable to the corresponding increase in equipment revenue.

Selling, general and administrative expenses. Selling, general and administrative expenses totaled $114.0 million for the three months ended June 30, 2021, an increase of $0.2 million, or 0.2%, as compared to 2020. The increase was primarily attributable to increased sales and marketing expenses of $4.3 million mainly associated with our consumer customers and increased other selling, general and administrative expenses of $0.9 million, partially offset by decreases in bad debt expense of $5.0 million.

Depreciation and amortization. Depreciation and amortization expenses totaled $119.0 million for the three months ended June 30, 2021, a decrease of $10.9 million, or 8.4%, as compared to 2020. The decrease was primarily attributable to our SPACEWAY 3 satellite which was fully depreciated at the end of the first quarter of 2021.

Interest income, net. Interest income, net totaled $5.2 million for the three months ended June 30, 2021, a decrease of $5.5 million, or 51.3%, as compared to 2020, primarily attributable to decreases in the yield on our marketable investment securities and a decrease in our marketable investment securities average balance.

Interest expense, net of amounts capitalized. Interest expense, net of amounts capitalized, totaled $28.9 million for the three months ended June 30, 2021, a decrease of $9.4 million, or 24.5%, as compared to 2020. The decrease was primarily attributable to a decrease of $5.0 million in interest expense and the amortization of deferred financing cost as a result of the repurchases and maturity of our 7 5/8% Senior Unsecured Notes due 2021 and an increase of $2.8 million in capitalized interest relating to the EchoStar XXIV satellite program.

Gains (losses) on investments, net. Gains (losses) on investments, net totaled $30.6 million in gains for the three months ended June 30, 2021, an increase of $36.7 million, as compared to 2020. The change was primarily attributable to increased gains on marketable investment securities of $ 26.1 million in the second quarter of 2021 as compared to 2020, a gain from the sale of other equity securities of $2.1 million in the second quarter of 2021 and a $8.5 million impairment loss in 2020.

Equity in earnings (losses) of unconsolidated affiliates, net. Equity in earnings (losses) of unconsolidated affiliates, net totaled $4.0 million in losses for the three months ended June 30, 2021, a decrease in losses of $2.3 million, or 36.3%, as compared to 2020. The decrease was related to net reduced losses from our investments in our equity method investees.

Foreign currency transaction gains (losses), net. Foreign currency transaction gains (losses), net totaled $0.7 million in gains for the three months ended June 30, 2021, as compared to $1.6 million in gains for the three months ended June 30, 2020, a negative change of $0.9 million. The change was due to the net impact of foreign exchange rate fluctuations of certain foreign currencies during the quarter.

Other, net. Other, net totaled $12.8 million in losses for the three months ended June 30, 2021, as compared to $0.4 million in losses for the three months ended June 30, 2020. The increase was primarily attributable to a litigation expense of $16.8 million, partially offset by dividends received from certain marketable equity securities of $2.1 million.

Income tax benefit (provision), net. Income tax benefit (provision), net was $(21.2) million for the three months ended June 30, 2021, as compared to $(10.9) million for the three months ended June 30, 2020. Our effective income tax rate was 37.7% and (271.8)% for the three months ended June 30, 2021 and 2020, respectively. The variations in our effective tax rate from the U.S. federal statutory rate for the three months ended June 30, 2021 were primarily due to excluded foreign losses where the Company carries a full valuation allowance and the impact of state and local taxes. The variations in our current year effective tax rate from the U.S. federal statutory rate for the three months ended June 30, 2020 were primarily due to the increase in our valuation allowance associated with certain foreign losses and by the impact of state and local taxes partially offset by the change in net unrealized gains that are capital in nature and research and experimentation credits.

Net income (loss) attributable to EchoStar Corporation common stock. The following table reconciles the change in Net income (loss) attributable to EchoStar Corporation common stock:

		Amounts
Net income (loss) attributable to EchoStar Corporation for the three months ended June 30, 2020	$	(11,412)
Increase (decrease) in other, net		(12,376)
Decrease (increase) in income tax benefit (provision), net		(10,301)
Increase (decrease) in interest income, net		(5,520)
Increase (decrease) in net income (loss) attributable to non-controlling interest		(1,151)
Increase (decrease) in foreign currency transaction gains (losses), net		(895)
Decrease (increase) in equity in earnings (losses) of unconsolidated affiliates, net		2,301
Decrease (increase) in interest expense, net of amounts capitalized		9,390
Increase (decrease) in operating income (loss), including depreciation and amortization		30,536
Increase (decrease) in gains (losses) on investments, net		36,723
Net income (loss) attributable to EchoStar Corporation for the three months ended June 30, 2021	$	37,295

EBITDA. EBITDA is a non-GAAP financial measure and is described under Explanation of Key Metrics and Other Items below. The following table reconciles EBITDA to Net income (loss), the most directly comparable U.S. GAAP measure in our Accompanying Consolidated Financial Statements:

	For the three months ended June 30,				Variance		
	2021		2020		Amount		%
Net income (loss)	$	35,015	$	(14,843)	$	49,858	*
Interest income, net		(5,240)		(10,760)		5,520	(51.3)
Interest expense, net of amounts capitalized		28,868		38,258		(9,390)	(24.5)
Income tax provision (benefit), net		21,152		10,851		10,301	94.9
Depreciation and amortization		118,982		129,887		(10,905)	(8.4)
Net loss (income) attributable to non-controlling interests		2,280		3,431		(1,151)	(33.5)
EBITDA	$	201,057	$	156,824	$	44,233	28.2

* Percentage is not meaningful

The following table reconciles the change in EBITDA:

		Amounts
EBITDA for the three months ended June 30, 2020	$	156,824
Increase (decrease) in gains (losses) on investments, net		36,723
Increase (decrease) in operating income (loss), excluding depreciation and amortization		19,631
Decrease (increase) in equity in earnings (losses) of unconsolidated affiliates, net		2,301
Increase (decrease) in foreign currency transaction gains (losses), net		(895)
Decrease (increase) in net loss (income) attributable to non-controlling interests		(1,151)
Increase (decrease) in other, net		(12,376)
EBITDA for the three months ended June 30, 2021	$	201,057

Segment Operating Results and Capital Expenditures

The following tables present our total revenue, capital expenditures and EBITDA by segment for the three months ended June 30, 2021, as compared to the three months ended June 30, 2020:

		Hughes		ESS		Corporate and Other		Consolidated Total
For the three months ended June 30, 2021								
Total revenue	$	492,276	$	4,283	$	3,275	$	499,834
Capital expenditures		72,187		—		11,045		83,232
EBITDA		210,194		2,243		(11,380)		201,057
For the three months ended June 30, 2020								
Total revenue	$	453,172	$	4,179	$	2,115	$	459,466
Capital expenditures		83,479		—		8,821		92,300
EBITDA		186,619		1,543		(31,338)		156,824

Hughes Segment

	For the three months ended June 30,				Variance		
		2021		2020		Amount	%
Total revenue	$	492,276	$	453,172	$	39,104	8.6
Capital expenditures		72,187		83,479		(11,292)	(13.5)
EBITDA		210,194		186,619		23,575	12.6

Total revenue was $492.3 million for the three months ended June 30, 2021, an increase of $39.1 million, or 8.6%, as compared to 2020. Services and other revenue increased primarily due to increases in sales of broadband services to our consumer customers of $12.4 million. Equipment revenue increased primarily due to increases in hardware sales of $27.4 million to our enterprise customers, partially offset by decreases in hardware sales of $1.5 million to our consumer customers. These variances reflect the positive impact of exchange rate fluctuations of $2.5 million.

Capital expenditures were $72.2 million for the three months ended June 30, 2021, a decrease of $11.3 million, or 13.5%, as compared to 2020, primarily due to decreases in expenditures associated with our consumer business, partially offset by increased expenditures related to our enterprise business.

The following table reconciles the change in the Hughes Segment EBITDA:

		Amounts
EBITDA for the three months ended June 30, 2020	$	186,619
Increase (decrease) in operating income (loss), excluding depreciation and amortization		19,238
Increase (decrease) in other, net		2,733
Increase (decrease) in gains (losses) on investments, net		2,086
Increase (decrease) in foreign currency transaction gains (losses), net		667
Decrease (increase) in equity in earnings (losses) of unconsolidated affiliates, net		2
Decrease (increase) in net loss (income) attributable to non-controlling interests		(1,151)
EBITDA for the three months ended June 30, 2021	$	210,194

ESS Segment

	For the three months ended June 30,				Variance		
	2021		2020		Amount		%
Total revenue	$	4,283	$	4,179	$	104	2.5
EBITDA		2,243		1,543		700	45.4

Total revenue was $4.3 million for the three months ended June 30, 2021, which is primarily flat compared to 2020.

EBITDA was $2.2 million for the three months ended June 30, 2021, an increase of $0.7 million, or 45.4%, as compared to 2020, primarily due to the recovery of a bad debt reserve.

Corporate and Other

	For the three months ended June 30,				Variance		
	2021		2020		Amount		%
Total revenue	$	3,275	$	2,115	$	1,160	54.8
Capital expenditures		11,045		8,821		2,224	25.2
EBITDA		(11,380)		(31,338)		19,958	(63.7)

Total revenue was $3.3 million for the three months ended June 30, 2021, an increase of $1.2 million, or 54.8%, as compared to 2020, primarily due to increased services and other revenue from DISH Network.

Capital expenditures were $11.0 million for the three months ended June 30, 2021, an increase of $2.2 million, as compared to 2020, primarily due to increases in expenditures related to the EchoStar XXIV satellite program.

The following table reconciles the change in the Corporate and Other Segment EBITDA:

		Amounts
EBITDA for the three months ended June 30, 2020	$	(31,338)
Increase (decrease) in gains (losses) on investments, net		34,637
Decrease (increase) in equity in earnings (losses) of unconsolidated affiliates, net		2,299
Increase (decrease) in operating income (loss), excluding depreciation and amortization		(307)
Increase (decrease) in foreign currency transaction gains (losses), net		(1,562)
Increase (decrease) in other, net		(15,109)
EBITDA for the three months ended June 30, 2021	$	(11,380)

Six Months Ended June 30, 2021 Compared to the Six Months Ended June 30, 2020

The following table presents our consolidated results of operations for the six months ended June 30, 2021 compared to the six months ended June 30, 2020:

	For the six months ended June 30,		Variance	
Statements of Operations Data	**2021**	**2020**	**Amount**	**%**
Revenue:				
Services and other revenue	$ 861,616	$ 825,400	$ 36,216	4.4
Equipment revenue	120,800	99,732	21,068	21.1
Total revenue	982,416	925,132	57,284	6.2
Costs and expenses:				
Cost of sales - services and other	272,336	286,271	(13,935)	(4.9)
% of total services and other revenue	**31.6 %**	**34.7 %**		
Cost of sales - equipment	99,654	78,450	21,204	27.0
% of total equipment revenue	**82.5 %**	**78.7 %**		
Selling, general and administrative expenses	228,157	239,079	(10,922)	(4.6)
% of total revenue	**23.2 %**	**25.8 %**		
Research and development expenses	14,986	13,702	1,284	9.4
% of total revenue	**1.5 %**	**1.5 %**		
Depreciation and amortization	248,268	262,255	(13,987)	(5.3)
Impairment of long-lived assets	245	—	245	*
Total costs and expenses	863,646	879,757	(16,111)	(1.8)
Operating income (loss)	118,770	45,375	73,395	*
Other income (expense):				
Interest income, net	11,189	26,343	(15,154)	(57.5)
Interest expense, net of amounts capitalized	(63,535)	(74,491)	10,956	(14.7)
Gains (losses) on investments, net	109,233	(52,762)	161,995	*
Equity in earnings (losses) of unconsolidated affiliates, net	(2,670)	(3,732)	1,062	(28.5)
Foreign currency transaction gains (losses), net	(3,404)	(9,284)	5,880	(63.3)
Other, net	(13,697)	(670)	(13,027)	*
Total other income (expense), net	37,116	(114,596)	151,712	*
Income (loss) before income taxes	155,886	(69,221)	225,107	*
Income tax benefit (provision), net	(43,299)	(3,359)	(39,940)	*
Net income (loss)	112,587	(72,580)	185,167	*
Less: Net loss (income) attributable to non-controlling interests	3,227	6,873	(3,646)	(53.0)
Net income (loss) attributable to EchoStar Corporation common stock	$ 115,814	$ (65,707)	$ 181,521	*
Other data:				
EBITDA (1)	$ 459,727	$ 248,055	$ 211,672	85.3
Subscribers, end of period	1,542,000	1,542,000	—	—

* Percentage is not meaningful.
(1) An explanation of our key metrics is included in Explanation of Key Metrics and Other Items.
(2) A reconciliation of EBITDA to Net income (loss), the most directly comparable U.S. GAAP measure in our Accompanying Consolidated Financial Statements, is included in Results of Operations. For further information on our use of EBITDA, see Explanation of Key Metrics and Other Items.

The following discussion relates to our results of operations for the six months ended June 30, 2021 and 2020.

Services and other revenue. Services and other revenue totaled $861.6 million for the six months ended June 30, 2021, an increase of $36.2 million, or 4.4%, as compared to 2020. The increase was primarily attributable to increases in sales of broadband services to our consumer customers of $39.3 million, partially offset by a decrease in sales of services to our enterprise customers of $3.5 million. These variances reflect the negative impact of exchange rate fluctuations of $3.1 million, primarily attributable to our consumer customers.

Equipment revenue. Equipment revenue totaled $120.8 million for the six months ended June 30, 2021, an increase of $21.1 million, or 21.1%, as compared to 2020. The increase was primarily attributable to increases in hardware sales of $26.0 million to our enterprise customers, partially offset by decreases in hardware sales of $4.6 million to our mobile satellite systems customers.

Cost of sales - services and other. Cost of sales - services and other totaled $272.3 million for the six months ended June 30, 2021, a decrease of $13.9 million, or 4.9%, as compared to 2020. The decrease was attributable to lower costs of services provided to our consumer and enterprise customers primarily associated with field services and leased satellite capacity as well as a non-recurring decrease in a certain international regulatory fee of $4.5 million.

Cost of sales - equipment. Cost of sales - equipment totaled $99.7 million for the six months ended June 30, 2021, an increase of $21.2 million, or 27.0%, as compared to 2020. The increase was primarily attributable to the corresponding increase in equipment revenue.

Selling, general and administrative expenses. Selling, general and administrative expenses totaled $228.2 million for the six months ended June 30, 2021, a decrease of $10.9 million, or 4.6%, as compared to 2020. The decrease was primarily attributable to decreased sales and marketing expenses of $5.2 million mainly associated with our consumer customers and decreases in bad debt expense of $7.4 million.

Depreciation and amortization. Depreciation and amortization expenses totaled $248.3 million for the six months ended June 30, 2021, a decrease of $14.0 million, or 5.3%, as compared to 2020. The decrease was primarily attributable to (i) our SPACEWAY 3 satellite which was fully depreciated at the end of the first quarter of 2021, (ii) decreases in other property and equipment depreciation expense of $2.3 million, and (iii) decreases in amortization of intangibles of $3.0 million.

Interest income, net. Interest income, net totaled $11.2 million for the six months ended June 30, 2021, a decrease of $15.2 million, or 57.5%, as compared to 2020, primarily attributable to decreases in the yield on our marketable investment securities and a decrease in our marketable investment securities average balance.

Interest expense, net of amounts capitalized. Interest expense, net of amounts capitalized totaled $63.5 million for the six months ended June 30, 2021, a decrease of $11.0 million, or 14.7%, as compared to 2020. The decrease was primarily attributable to a decrease of $5.3 million in interest expense and the amortization of deferred financing cost as a result of the repurchases and maturity of our 7 5/8% Senior Unsecured Notes due 2021 and an increase of $4.7 million in capitalized interest relating to the EchoStar XXIV satellite program.

Gains (losses) on investments, net. Gains (losses) on investments, net totaled $109.2 million in gains for the six months ended June 30, 2021, an increase of $162.0 million, as compared to 2020. The change was primarily attributable to increased gains on marketable investment securities of $129.9 million in the first half of 2021 as compared to 2020, a gain from the sale of other equity securities of $2.1 million in the second quarter of 2021 and a $29.8 million impairment loss in 2020.

Equity in earnings (losses) of unconsolidated affiliates, net. Equity in earnings (losses) of unconsolidated affiliates, net totaled $2.7 million in losses for the six months ended June 30, 2021, a decrease in losses of $1.1 million, or 28.5%, as compared to 2020. The decrease was related to net reduced losses from our investments in our equity method investees.

Foreign currency transaction gains (losses), net. Foreign currency transaction gains (losses), net totaled $3.4 million in losses for the six months ended June 30, 2021, as compared to $9.3 million in losses for the six months ended June 30, 2020, a positive change of $5.9 million. The change was due to the net impact of foreign exchange fluctuations of certain currencies during the quarter.

Other, net. Other, net totaled $13.7 million in losses for the six months ended June 30, 2021, as compared to $0.7 million in losses for the six months ended June 30, 2020. The increase was primarily attributable to a litigation expense of $16.8 million and losses from debt repurchases on our 7 5/8% Senior Unsecured Notes due 2021 of $1.9 million, partially offset by dividends received from certain marketable equity securities of $2.1 million.

Income tax benefit (provision), net. Income tax benefit (provision), net was $(43.3) million for the six months ended June 30, 2021, as compared to $(3.4) million for the six months ended June 30, 2020. Our effective income tax rate was 27.8% and (4.9)% for the six months ended June 30, 2021 and 2020, respectively. The variations in our current year effective tax rate from the U.S. federal statutory rate for the six months ended June 30, 2021 were primarily due to excluded foreign losses where the Company carries a full valuation allowance and the impact of state and local taxes. The variations in our effective tax rate from the U.S. federal statutory rate for the six months ended June 30, 2020 were primarily due to the increase in our valuation allowance associated with certain foreign losses and the impact of state and local taxes, partially offset by the change in net unrealized losses that are capital in nature and research and experimentation credits.

Net income (loss) attributable to EchoStar Corporation common stock. The following table reconciles the change in Net income (loss) attributable to EchoStar Corporation common stock:

		Amounts
Net income (loss) attributable to EchoStar Corporation for the six months ended June 30, 2020	$	(65,707)
Decrease (increase) in income tax benefit (provision), net		(39,940)
Increase (decrease) in interest income, net		(15,154)
Increase (decrease) in other, net		(13,027)
Decrease (increase) in net loss (income) attributable to non-controlling interests		(3,646)
Decrease (increase) in equity in earnings (losses) of unconsolidated affiliates, net		1,062
Increase (decrease) in foreign currency transaction gains (losses), net		5,880
Decrease (increase) in interest expense, net of amounts capitalized		10,956
Increase (decrease) in operating income (loss), including depreciation and amortization		73,395
Increase (decrease) in gains (losses) on investments, net		161,995
Net income (loss) attributable to EchoStar Corporation for the six months ended June 30, 2021	$	115,814

EBITDA. EBITDA is a non-GAAP financial measure and is described under Explanation of Key Metrics and Other Items below. The following table reconciles EBITDA to Net income (loss), the most directly comparable U.S. GAAP measure in our Accompanying Consolidated Financial Statements:

	For the six months ended June 30,		Variance	
	2021	2020	Amounts	%
Net income (loss)	$ 112,587	$ (72,580)	$ 185,167	*
Interest income, net	(11,189)	(26,343)	15,154	(57.5)
Interest expense, net of amounts capitalized	63,535	74,491	(10,956)	(14.7)
Income tax provision (benefit), net	43,299	3,359	39,940	*
Depreciation and amortization	248,268	262,255	(13,987)	(5.3)
Net loss (income) attributable to non-controlling interests	3,227	6,873	(3,646)	(53.0)
EBITDA	$ 459,727	$ 248,055	$ 211,672	85.3

* Percentage is not meaningful.

The following table reconciles the change in EBITDA:

	Amounts
EBITDA for the six months ended June 30, 2020	$ 248,055
Increase (decrease) in gains (losses) on investments, net	161,995
Increase (decrease) in operating income (loss), excluding depreciation and amortization	59,408
Increase (decrease) in foreign currency transaction gains (losses), net	5,880
Decrease (increase) in equity in earnings (losses) of unconsolidated affiliates, net	1,062
Decrease (increase) in net loss (income) attributable to non-controlling interests	(3,646)
Increase (decrease) in other, net	(13,027)
EBITDA for the six months ended June 30, 2021	$ 459,727

Segment Operating Results and Capital Expenditures

The following tables present our total revenue, capital expenditures and EBITDA by segment for the six months ended June 30, 2021, as compared to the six months ended June 30, 2020:

	Hughes	ESS	Corporate and Other	Consolidated Total
For the six months ended June 30, 2021				
Total revenue	$ 968,136	$ 8,372	$ 5,908	$ 982,416
Capital expenditures	154,382	—	108,084	262,466
EBITDA	408,772	4,162	46,793	459,727
For the six months ended June 30, 2020				
Total revenue	$ 911,654	$ 8,831	$ 4,647	$ 925,132
Capital expenditures	174,996	—	21,908	196,904
EBITDA	341,260	3,573	(96,778)	248,055

Hughes Segment

	For the six months ended June 30,		Variance	
	2021	2020	Amount	%
Total revenue	$ 968,136	$ 911,654	$ 56,482	6.2
Capital expenditures	154,382	174,996	(20,614)	(11.8)
EBITDA	408,772	341,260	67,512	19.8

Total revenue was $968.1 million for the six months ended June 30, 2021, an increase of $56.5 million, or 6.2%, as compared to 2020. Services and other revenue increased primarily due to an increase of $39.3 million in sales of broadband services to our consumer customers, partially offset by a decrease of $3.5 million in sales of services to our enterprise customers. Equipment revenue increased primarily due to increases in hardware sales of $26.0 million to our enterprise customers, partially offset by decreases in hardware sales of $4.6 million to our mobile satellite systems customers. These variances reflect the negative impact of exchange rate fluctuations of $3.4 million.

Capital expenditures were $154.4 million for the six months ended June 30, 2021, a decrease of $20.6 million, or 11.8%, as compared to 2020, primarily due to decreases in expenditures associated with our consumer business, partially offset by increased expenditures related to our enterprise business and construction of our satellite-related ground infrastructure.

The following table reconciles the change in the Hughes Segment EBITDA:

	Amounts
EBITDA for the six months ended June 30, 2020	$ 341,260
Increase (decrease) in operating income (loss), excluding depreciation and amortization	60,535
Increase (decrease) in foreign currency transaction gains (losses), net	4,832
Increase (decrease) in other, net	3,620
Increase (decrease) in gains (losses) on investments, net	2,249
Decrease (increase) in equity in earnings (losses) of unconsolidated affiliates, net	(78)
Decrease (increase) in net loss (income) attributable to non-controlling interests	(3,646)
EBITDA for the six months ended June 30, 2021	$ 408,772

ESS Segment

	For the six months ended June 30,		Variance	
	2021	2020	Amounts	%
Total revenue	$ 8,372	$ 8,831	$ (459)	(5.2)
EBITDA	4,162	3,573	589	16.5

Total revenue was $8.4 million for the six months ended June 30, 2021, a decrease of $0.5 million, or 5.2%, as compared to 2020, primarily due to a decrease in transponder services provided to third parties.

EBITDA was $4.2 million for the six months ended June 30, 2021, an increase of $0.6 million, or 16.5%, as compared to 2020, primarily due to the recovery of a bad debt reserve.

Corporate and Other

	For the six months ended June 30,		Variance	
	2021	2020	Amounts	%
Total revenue	$ 5,908	$ 4,647	$ 1,261	27.1
Capital expenditures	108,084	21,908	86,176	*
EBITDA	46,793	(96,778)	143,571	*

* Percentage is not meaningful.

Total revenue was 5.9 million for the six months ended June 30, 2021, an increase of 1.3 million, or 27.1%, as compared to 2020, primarily due to increased services and other revenue from DISH Network.

Capital expenditures were 108.1 million for the six months ended June 30, 2021, an increase of $86.2 million, as compared to 2020, primarily due to increases in expenditures related to the EchoStar XXIV satellite program.

The following table reconciles the change in the Corporate and Other Segment EBITDA:

	Amounts
EBITDA for the six months ended June 30, 2020	$ (96,778)
Increase (decrease) in other, net	(16,647)
Increase (decrease) in operating income (loss), excluding depreciation and amortization	(1,716)
Increase (decrease) in foreign currency transaction gains (losses), net	1,048
Decrease (increase) in equity in earnings (losses) of unconsolidated affiliates, net	1,140
Increase (decrease) in gains (losses) on investments, net	159,746
EBITDA for the six months ended June 30, 2021	$ 46,793

LIQUIDITY AND CAPITAL RESOURCES

Cash, Cash Equivalents and Marketable Investment Securities

We consider all liquid investments purchased with an original maturity of 90 days or less to be cash equivalents.

As of June 30, 2021 our cash, cash equivalents and marketable investment securities totaled $1.6 billion, of which $0.8 billion, we held as marketable investment securities, consisting of various debt and equity instruments including corporate bonds, corporate equity securities, government bonds and mutual funds.

Cash Flow Activities

The following table summarizes our cash flows provided by (used for) operating, investing and financing activities, as reflected in the Consolidated Statement of Cash Flows:

	For the six months ended June 30,		
	2021	2020	Variance
Operating activities	$ 308,640	$ 245,280	$ 63,360
Investing activities	566,292	200,524	365,768
Financing activities	(1,053,818)	9,075	(1,062,893)
Effect of exchange rates on cash and cash equivalents	(443)	(19,232)	18,789
Net increase (decrease) in cash and cash equivalents	$ (179,329)	$ 435,647	$ (614,976)

Cash flows provided by (used for) operating activities increased by $63.4 million primarily attributable to changes in net income (loss) of $185.2 million and deferred tax provision (benefit), net of $36.5 million, partially offset by changes in gains (losses) on investments, net of $162.0 million.

Cash flows provided by (used for) investing activities increased by $365.8 million primarily attributable to our marketable investment securities and other investments net activity and an increase in expenditures for property and equipment.

Cash flows provided by (used for) financing activities decreased by $1.1 billion primarily attributable to the repurchase and maturity of our 7 5/8% Senior Unsecured Notes due 2021 of $901.8 million and from increased treasury share repurchases of $157.9 million.

Obligations and Future Capital Requirements

Contractual Obligations

As of June 30, 2021, our satellite-related commitments were $385.1 million. These primarily include payments pursuant to: i) agreements for the construction of the EchoStar XXIV satellite, ii) the EchoStar XXIV launch contract, iii) regulatory authorizations, and non-lease costs associated with our finance lease satellites, in-orbit incentives relating to certain satellites and commitments for satellite service arrangements.

In certain circumstances, the dates on which we are obligated to pay our contractual obligations could change.

Off-Balance Sheet Arrangements

We generally do not engage in off-balance sheet financing activities or use derivative financial instruments for hedge accounting or speculative purposes.

Letters of Credit

The following table presents the components of our letters of credit as of June 30, 2021**:**

	Amounts
Restricted cash	$ 14,213
Insurance bonds	4,030
Credit arrangement available to our foreign subsidiaries	31,428
Total letters of credit	$ 49,671

Certain letters of credit are secured by assets of our foreign subsidiaries.

Satellites

As our satellite fleet ages, we will be required to evaluate replacement alternatives such as acquiring, leasing or constructing additional satellites, with or without customer commitments for capacity. We may also construct, acquire or lease additional satellites or satellite capacity in the future to provide satellite services at additional orbital locations or to improve the quality of our satellite services.

Satellite Insurance

We generally do not carry in-orbit insurance on our satellites or payloads because we have assessed that the cost of insurance is not economical relative to the risk of failures. Therefore, we generally bear the risk of any in-orbit failures. Pursuant to the terms of the agreements governing certain portions of our long-term debt and our joint venture agreements with Al Yah Satellite Communications Company PrJSC ("Yahsat"), we are required, subject to certain limitations on coverage, to maintain only for the SPACEWAY 3 satellite, the EchoStar XVII satellite and the Al Yah 3 Brazilian payload, insurance or other contractual arrangements during the commercial in-orbit service of such satellite or payload. Our other satellites and payloads, either in orbit or under construction, are not covered by launch or in-orbit insurance or other contractual arrangements. We will continue to assess circumstances going forward and make insurance-related decisions on a case-by-case basis.

Future Capital Requirements

We primarily rely on our existing cash and marketable investment securities balances, as well as cash flow generated through our operations to fund our business. Revenue in our ESS segment depends largely on our ability to continuously make use of our available satellite capacity with existing customers and our ability to enter into commercial relationships with new customers. Consumer revenue in our Hughes segment depends on our success in adding new and retaining existing subscribers and driving higher average revenue per subscriber across our wholesale and retail channels. Revenue in our enterprise and equipment businesses relies heavily on global economic conditions and the competitive landscape for pricing relative to competitors and alternative technologies. Service costs related to ongoing support of our direct and indirect customers and partners are typically impacted most significantly by our growth. There can be no assurance that we will have positive cash flows from operations. Furthermore, if we experience negative cash flows, our existing cash and marketable investment securities balances may be reduced.

We have a significant amount of outstanding indebtedness. As of June 30, 2021, our total indebtedness was $1.5 billion. Refer to our Form 10-K for a discussion of the terms of our long-term debt. On June 15, 2021, we paid the 7 5/8% Senior Unsecured Notes due 2021. Our liquidity requirements will continue to be significant, primarily due to our remaining debt service requirements and the design and construction of our new EchoStar XXIV satellite. We may from time to time seek to purchase amounts of our outstanding debt in open market purchases, privately negotiated transactions or otherwise, depending on market conditions, our liquidity needs and other factors. The amounts we may repurchase may be material. In addition, our future capital expenditures are likely to increase if we make acquisitions or additional investments in infrastructure, technologies or joint ventures to support and expand our business, or if we decide to purchase or build additional satellites or other technologies or assets. Other aspects of our business operations may also require additional capital. We also expect to owe U.S. Federal income tax for 2021.

We anticipate that our existing cash and marketable investment securities are sufficient to fund the currently anticipated operations of our business through the next twelve months.

Stock Repurchases

Our Board of Directors previously authorized us to repurchase up to $500.0 million of our Class A common stock through and including December 31, 2020. On October 29, 2020, our Board of Directors amended and extended its prior authorization and authorized us to repurchase, pursuant to this authorization, up to $500.0 million of our Class A common stock through and including December 31, 2021. Purchases under our repurchase authorization may be made through privately negotiated transactions, open market repurchases, one or more trading plans in accordance with Rule 10b5-1 under the Securities Exchange Act of 1934, as amended, or otherwise, subject to market conditions and other factors. We may elect not to purchase the maximum amount or any of the shares allowable under this program and we may also enter into additional share repurchase programs authorized by our Board of Directors. During the three and six months ended June 30, 2021, we repurchased 2,374,452 and 7,145,166 shares of our Class A common stock for $58.2 million and $169.0 million, respectively under this program. The remaining authorization under this program was $287.6 million as of June 30, 2021.

CRITICAL ACCOUNTING POLICIES AND ESTIMATES

Our critical accounting policies are those that involve a high degree of estimation, judgment and complexity. Our critical accounting policies are those related to (i) contingent liabilities, (ii) revenue recognition and (iii) impairment of assets.

Our critical accounting policies are described in our Form 10-K under the heading Part II - Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations. There have been no significant changes in our critical accounting policies from those presented in our Form 10-K.

NEW ACCOUNTING PRONOUNCEMENTS

For a discussion of new accounting pronouncements, refer to *Note 2. Summary of Significant Accounting Policies* in our Accompanying Consolidated Financial Statements.

SEASONALITY

For our Hughes segment, service revenue is generally not impacted by seasonal fluctuations other than those associated with fluctuations related to sales and promotional activities.

Our ESS segment is not generally affected by seasonal impacts.

We cannot predict with any certainty whether these trends will continue in the near future as the economy and our customers react to the COVID-19 pandemic and experience associated disruptions and dislocations.

INFLATION

Inflation has not materially affected our operations during the past three years, but we are unable to predict the extent or nature of any future inflationary pressure at this time. We believe that our ability to increase the prices charged for our products and services in future periods will depend primarily on competitive pressures or contractual terms. However, we may not be able to maintain pricing levels consistent with inflationary pressure on expenses.

EXPLANATION OF KEY METRICS AND OTHER ITEMS

Services and other revenue. Services and other revenue primarily includes the sales of consumer and enterprise broadband services, maintenance and other contracted services, revenue associated with satellite and transponder leases and services, satellite uplinking/downlinking, subscriber wholesale service fees for the HughesNet service professional services and facilities rental revenue.

Equipment revenue. Equipment revenue primarily includes broadband equipment and networks sold to customers in our consumer and enterprise markets.

Cost of sales - services and other. Cost of sales - services and other primarily includes the cost of broadband services provided to our consumer and enterprise customers, maintenance and other contracted services, costs associated with satellite and transponder leases and services, professional services and facilities rental.

Cost of sales - equipment. Cost of sales - equipment consists primarily of the cost of broadband equipment and networks provided to customers in our consumer and enterprise markets. It also includes certain other costs associated with the deployment of equipment to our customers.

Selling, general and administrative expenses. Selling, general and administrative expenses primarily include selling and marketing costs and employee-related costs associated with administrative services (e.g., information systems, human resources and other services), including stock-based compensation expense. It also includes professional fees (e.g. legal, information systems and accounting services) and other expenses associated with facilities and administrative services.

Research and development expenses. Research and development expenses primarily include costs associated with the design and development of products to support future growth and provide new technology and innovation to our customers.

Impairment of long-lived assets. Impairment of long-lived assets includes our impairment losses related to our property and equipment, goodwill, regulatory authorizations and other intangible assets.

Interest income, net. Interest income, net primarily includes interest earned on our cash, cash equivalents and marketable investment securities, and other investments including premium amortization and discount accretion on debt securities.

Interest expense, net of amounts capitalized. Interest expense, net of amounts capitalized primarily includes interest expense associated with our debt and finance lease obligations (net of capitalized interest), amortization of debt issuance costs and interest expense related to certain legal proceedings.

Gains (losses) on investments, net. Gains (losses) on investments, net primarily includes changes in fair value of our marketable equity securities and other investments for which we have elected the fair value option. It may also include realized gains and losses on the sale or exchange of our available-for-sale debt securities, other-than-temporary impairment losses on our available-for-sale securities, realized gains and losses on the sale or exchange of equity securities and debt securities without readily determinable fair value and adjustments to the carrying amount of investments in unconsolidated affiliates and marketable equity securities resulting from impairments and observable price changes.

Equity in earnings (losses) of unconsolidated affiliates, net. Equity in earnings (losses) of unconsolidated affiliates, net includes earnings or losses from our investments accounted for using the equity method.

Foreign currency transaction gains (losses), net. Foreign currency transaction gains (losses), net include gains and losses resulting from the re-measurement of transactions denominated in foreign currencies.

Other, net. Other, net primarily includes dividends received from our marketable investment securities and other non-operating income and expense items that are not appropriately classified elsewhere in the Consolidated Statements of Operations in our Accompanying Consolidated Financial Statements.

Earnings before interest, taxes, depreciation and amortization ("EBITDA"). EBITDA is defined as Net income (loss) excluding Interest income and expense, net, Income tax benefit (provision), net, Depreciation and amortization, and Net income (loss) attributable to non-controlling interests. EBITDA is not a measure determined in accordance with U.S. GAAP. This non-GAAP measure is reconciled to Net income (loss) in our discussion of Results of Operations above. EBITDA should not be considered in isolation or as a substitute for operating income, net income or any other measure determined in accordance with U.S. GAAP. EBITDA is used by our management as a measure of operating efficiency and overall financial performance for benchmarking against our peers and competitors. Management believes EBITDA provides meaningful supplemental information regarding the underlying operating performance of our business and is appropriate to enhance an overall understanding of our financial performance. Management also believes that EBITDA is useful to investors because it is frequently used by securities analysts, investors and other interested parties to evaluate the performance of companies in our industry.

Subscribers. Subscribers include customers that subscribe to our HughesNet service, through retail, wholesale and small/medium enterprise service channels.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Refer to our Form 10-K, under the heading Part II - Item 7A. Quantitative and Qualitative Disclosures About Market Risk, for a more complete discussion of our risks. As of June 30, 2021, our market risk has not changed materially from those presented in our Form 10-K.

ITEM 4. CONTROLS AND PROCEDURES

Disclosure Controls and Procedures

Under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, we evaluated the effectiveness of our disclosure controls and procedures (as defined in Rule 13a-15(e) and Rule 15d-15(e) under the Securities Exchange Act of 1934, as amended (the "Exchange Act")) as of the end of the period covered by this Form 10-Q. Based upon that evaluation, our Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures were effective as of the end of the period covered by this Form 10-Q such that the information required to be disclosed in our Securities and Exchange Commission reports is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission rules and forms, and is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure.

Changes in Internal Control Over Financial Reporting

There has been no change in our internal control over financial reporting (as defined in Rule 13a-15(f) and Rule 15d-15(f) under the Exchange Act) that occurred during the three months ended June 30, 2021 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting. We continue to review our internal control over financial reporting and may from time to time make changes aimed at enhancing its effectiveness and to ensure that our systems evolve with our business.

PART II — OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

For a discussion of legal proceedings, refer to Part I, Item 1. Financial Statements - *Note 13. Contingencies* - Litigation in this Form 10-Q.

ITEM 1A. RISK FACTORS

Item 1A, Risk Factors, of our Form 10-K for the year ended December 31, 2020 includes a detailed discussion of our risk factors.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

Purchases of Equity Securities by the Issuer and Affiliated Purchasers

Pursuant to a stock repurchase program approved by our board of directors, we are authorized to repurchase up to $500.0 million of our Class A common stock through December 31, 2021. During the year ended December 31, 2020, we repurchased 1,905,906 shares of our Class A common stock.

The following table provides information regarding repurchases of our Class A common stock during the three months ended June 30, 2021:

Period	Total Number of Shares (or Units) Purchased	Average Price Paid Per Share (or Unit)	Total Number of Shares (or Units) Purchased as Part of Publicly Disclosed Plans or Program	Maximum Number (or Approximate Dollar Value) of Shares (or Units) That May Yet Be Purchased under the Plans or Program [1]
April 1 - 30	1,464,410	$ 24.32	1,464,410	$ 310,136
May 1 -31	571,168	24.85	571,168	295,935
June 1 - 30	338,874	24.63	338,874	287,584
Total	2,374,452	$ 24.50	2,374,452	$ 287,584

[1] On October 29, 2020, our Board of Directors authorized us to repurchase up to $500.0 million of our Class A common stock through and including December 31, 2021. Purchases under our repurchase authorization may be made through privately negotiated transactions, open market repurchases, one or more trading plans in accordance with Rule 10b5-1 under the Securities Exchange Act of 1934, as amended, or otherwise, subject to market conditions and other factors. We may elect to purchase some or all, or not to purchase the maximum amount or any of, the remaining shares allowable under this program and we may also enter into additional share repurchase programs authorized by our Board of Directors. All shares repurchased reflected in the table above have been converted to treasury shares.

ITEM 3. DEFAULTS UPON SENIOR SECURITIES

Not applicable.

ITEM 4. MINE SAFETY DISCLOSURES

Not applicable.

ITEM 5. OTHER INFORMATION

Financial Results

On August 3, 2021, we issued a press release (the “Press Release”) announcing our financial results for the quarter ended June 30, 2021. A copy of the Press Release is furnished herewith as Exhibit 99.1. The foregoing information, including the exhibit related thereto, is furnished in response to Item 2.02 of Form 8-K and shall not be deemed “filed” for the purposes of Section 18 of the Exchange Act, or otherwise, and shall not be incorporated by reference into any registration statement or other document pursuant to the Securities Act of 1933, as amended, or into any filing or other document pursuant to the Exchange Act, except as otherwise expressly stated in any such filing.

ITEM 6. EXHIBITS

Exhibit No.	Description
10.1*	Amendment No. 1 to EchoStar Corporation 2017 Non-Employee Director Stock Incentive Plan (incorporated reference to EchoStar Corporation's Definitive Proxy Statement on Schedule 14A, filed March 17, 2021, Commission F No. 001-33807). **
31.1(H)	Section 302 Certification of Chief Executive Officer.
31.2(H)	Section 302 Certification of Chief Financial Officer.
32.1(I)	Section 906 Certifications of Chief Executive Officer and Chief Financial Officer.
99.1(I)	Press release dated August 3, 2021 issued by EchoStar Corporation regarding financial results for the period end June 30, 2021.
101.INS	XBRL Instance Document. The instance document does not appear in the Interactive Data File because its XBRL ta are embedded within the Inline XBRL document.
101.SCH	XBRL Taxonomy Extension Schema.
101.CAL	XBRL Taxonomy Extension Calculation Linkbase.
101.DEF	XBRL Taxonomy Extension Definition Linkbase.
101.LAB	XBRL Taxonomy Extension Label Linkbase.
101.PRE	XBRL Taxonomy Extension Presentation Linkbase.

(H) Filed herewith.
(I) Furnished herewith.
* Incorporated by reference.
** Constitutes a management contract or compensatory plan or arrangement.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this Form 10-Q to be signed on its behalf by the undersigned thereunto duly authorized.

ECHOSTAR CORPORATION

Date: August 3, 2021	By:	/s/ *Michael T. Dugan*
		Michael T. Dugan Chief Executive Officer, President and Director *(Principal Executive Officer)*
Date: August 3, 2021	By:	/s/ *David J. Rayner*
		David J. Rayner Executive Vice President, Chief Financial Officer, Chief Operating Officer and Treasurer *(Principal Financial and Accounting Officer)*

EXHIBIT 31.1

CERTIFICATION OF CHIEF EXECUTIVE OFFICER
Section 302 Certification

I, Michael T. Dugan, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of EchoStar Corporation;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 3, 2021

By:	/s/ *Michael T. Dugan*
Name:	Michael T. Dugan
Title:	Chief Executive Officer, President and Director *(Principal Executive Officer)*

EXHIBIT 31.2

CERTIFICATION OF CHIEF FINANCIAL OFFICER
Section 302 Certification

I, David J. Rayner, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of EchoStar Corporation;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 3, 2021

By:	/s/ David J. Rayner
Name:	David J. Rayner
Title:	Executive Vice President, Chief Financial Officer, Chief Operating Officer and Treasurer (Principal Financial and Accounting Officer)

EXHIBIT 32.1

CERTIFICATIONS OF CHIEF EXECUTIVE OFFICER AND CHIEF FINANCIAL OFFICER
Section 906 Certifications

In connection with the quarterly report for the quarter ended June 30, 2021 on Form 10-Q (the “Report”), of EchoStar Corporation (the “Company”) as filed with the Securities and Exchange Commission on the date hereof, we, Michael T. Dugan and David J. Rayner, Chief Executive Officer and Chief Financial Officer, respectively, of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to section 906 of the Sarbanes-Oxley Act of 2002, that to the best of our knowledge:

(i) the Report fully complies with the requirements of Section 13(a) or Section 15(d), as applicable, of the Securities Exchange Act of 1934; and

(ii) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: August 3, 2021

By:	*/s/ Michael T. Dugan*
Name:	Michael T. Dugan
Title:	Chief Executive Officer, President and Director *(Principal Executive Officer)*

By:	*/s/ David J. Rayner*
Name:	David J. Rayner
Title:	Executive Vice President, Chief Financial Officer, Chief Operating Officer and Treasurer *(Principal Financial and Accounting Officer)*

The foregoing certification is being furnished solely pursuant to 18 U.S.C. Section 1350 and is not being filed as part of the Report or as a separate disclosure document.

A SIGNED ORIGINAL OF THIS WRITTEN STATEMENT REQUIRED BY SECTION 906 HAS BEEN PROVIDED TO THE COMPANY AND WILL BE RETAINED BY THE COMPANY AND FURNISHED TO THE SECURITIES AND EXCHANGE COMMISSION OR ITS STAFF UPON REQUEST.

EchoStar Announces Financial Results for the Three and Six Months Ended June 30, 2021

Englewood, CO, August 3, 2021—EchoStar Corporation (NASDAQ: SATS) today announced its financial results for the three and six months ended June 30, 2021.

Three Months Ended June 30, 2021 Financial Highlights:

- Consolidated revenue of $499.8 million.
- Net income of $35.0 million, consolidated net income attributable to EchoStar common stock of $37.3 million, and basic and diluted earnings per share of $0.41.
- Consolidated Adjusted EBITDA of $186.7 million (see discussion and the reconciliation of GAAP to this non-GAAP measure below).

Six Months Ended June 30, 2021 Financial Highlights:

- Consolidated revenue of $982.4 million.
- Net income of $112.6 million, consolidated net income attributable to EchoStar common stock of $115.8 million, and basic and diluted earnings per share of $1.26 and $1.25, respectively.
- Consolidated Adjusted EBITDA of $372.4 million (see discussion and the reconciliation of GAAP to this non-GAPP measure below).

“Our financial performance in the second quarter of 2021 was outstanding - a reflection of the ongoing commitment and drive of the EchoStar team to deliver solutions that connect the world,” commented Michael Dugan, CEO and President of EchoStar. “We remain focused on increasing the yield on our existing assets and operating the business in an efficient manner while also building the ground network and operational processes to place our next satellite, EchoStar XXIV/JUPITER 3, into service as quickly as possible. We continue to seek opportunities in pursuit of our strategy of being a global connectivity provider.”

Three Months Ended June 30, 2021 - Additional Information:

- Consolidated revenue increased 8.8% or $40.4 million year over year primarily driven by higher equipment sales of $26.1 million to our domestic and international enterprise customers and higher sales of broadband services of $12.4 million to our consumer customers.
- Adjusted EBITDA increased 16.0% or $25.8 million year over year.
    - Hughes segment Adjusted EBITDA increased $21.0 million year over year. The increase was driven primarily by growth in revenue and higher Adjusted EBITDA margin.
    - ESS segment Adjusted EBITDA increased $0.7 million year over year.
    - Corporate and Other segment Adjusted EBITDA increased $4.1 million year over year. The increase was primarily due to decreased losses of unconsolidated affiliates, net, and dividends received from certain marketable investment securities.
- Net income increased $49.9 million to $35.0 million. The increase was primarily due to higher operating income of $30.5 million and higher gains on investments, net, of $36.7 million, partially offset by higher losses in Other, net of $12.4 million that included litigation expense, and higher income tax expense, net, of $10.3 million.
- Total Hughes broadband subscribers are approximately 1,542,000 as of June 30, 2021. Subscribers in the US decreased by 20,000 to approximately 1,144,000. In Latin America, subscribers increased by 9,000 to approximately 398,000.
- For the three months ended June 30, 2021, approximately 67% of Hughes segment revenue was attributable to our consumer customers with approximately 33% attributable to our enterprise customers.

- Cash, cash equivalents and current marketable investment securities were $1.6 billion as of June 30, 2021.
- For the three months ended June 30, 2021, we purchased 2,374,452 shares of our Class A common stock in open market trades.
- Repurchased or paid off the remaining $809.5 million of our 7 5/8% bonds which matured on June 15th, 2021.

Set forth below is a table highlighting certain of EchoStar's segment results for the three and six months ended June 30, 2021 and 2020 (amounts in thousands) (all US GAAP amounts reference results from operations):

	For the three months ended June 30,		For the six months ended June 30,	
	2021	**2020**	**2021**	**2020**
Revenue				
Hughes	$ 492,276	$ 453,172	$ 968,136	$ 911,654
EchoStar Satellite Services	4,283	4,179	8,372	8,831
Corporate and Other	3,275	2,115	5,908	4,647
Total revenue	$ 499,834	$ 459,466	$ 982,416	$ 925,132
Adjusted EBITDA				
Hughes	$ 207,317	$ 186,277	$ 409,253	$ 348,496
EchoStar Satellite Services	2,243	1,543	4,162	3,573
Corporate & Other:				
Corporate overhead, operating and other	(20,497)	(22,252)	(41,964)	(42,375)
Equity in earnings (losses) of unconsolidated affiliates, net	(2,369)	(4,668)	984	(156)
Total Corporate & Other	(22,866)	(26,920)	(40,980)	(42,531)
Total Adjusted EBITDA	$ 186,694	$ 160,900	$ 372,435	$ 309,538
Net income (loss)	$ 35,015	$ (14,843)	$ 112,587	$ (72,580)
Expenditures for property and equipment	$ 83,232	$ 92,300	$ 262,466	$ 196,904

Reconciliation of GAAP to Non-GAAP Measurement (amounts in thousands):

	For the three months ended June 30,		For the six months ended June 30,	
	2021	2020	2021	2020
Net income (loss)	$ 35,015	$ (14,843)	$ 112,587	$ (72,580)
Interest income, net	(5,240)	(10,760)	(11,189)	(26,343)
Interest expense, net of amounts capitalized	28,868	38,258	63,535	74,491
Income tax provision (benefit), net	21,152	10,851	43,299	3,359
Depreciation and amortization	118,982	129,887	248,268	262,255
Net loss (income) attributable to non-controlling interests	2,280	3,431	3,227	6,873
EBITDA	201,057	156,824	459,727	248,055
(Gains) losses on investments, net	(30,633)	6,090	(109,233)	52,762
Impairment of long-lived assets	15	—	245	—
Litigation Expense	16,800	—	16,800	—
License fee dispute - India, net of non-controlling interests	(236)	(454)	(446)	(563)
Loss on Debt Repurchase	356	—	1,938	—
Foreign currency transaction (gains) losses, net	(665)	(1,560)	3,404	9,284
Adjusted EBITDA	$ 186,694	$ 160,900	$ 372,435	$ 309,538

Note on Use of Non-GAAP Financial Measures

EBITDA is defined as “Net income (loss)” excluding “Interest income, net,” Interest expense, net of amounts capitalized,” “Income tax benefit (provision), net,” “Depreciation and amortization,” and “Net income (loss) attributable to non-controlling interests.”

Adjusted EBITDA is defined as EBITDA excluding Gains and losses on investments, net, Foreign currency transaction gains (losses), net, and other non-recurring or non-operational items. EBITDA and Adjusted EBITDA are not measures determined in accordance with US GAAP. EBITDA and Adjusted EBITDA are reconciled to Net income (loss) in the table above and should not be considered in isolation or as a substitute for operating income, net income or any other measure determined in accordance with US GAAP. Our management uses EBITDA and Adjusted EBITDA as measures of our operating efficiency and overall financial performance for benchmarking against our peers and competitors. Management believes that these non-GAAP measures provide meaningful supplemental information regarding the underlying operating performance of our business and are appropriate to enhance an overall understanding of our financial performance. Management also believes that EBITDA and Adjusted EBITDA are useful to investors because they are frequently used by securities analysts, investors, and other interested parties to evaluate the performance of companies in our industry.

The consolidated financial statements of EchoStar for the periods ended June 30, 2021 and 2020 are attached to this press release. Detailed financial data and other information are available in EchoStar’s Quarterly Report on Form 10-Q for the period ended June 30, 2021 filed today with the Securities and Exchange Commission.

EchoStar will host a conference call to discuss its earnings on Tuesday, August 3, 2021 at 11:00 a.m. Eastern Time. The conference call will be broadcast live in listen-only mode on EchoStar’s investor relations website at ir.echostar.com. To ask a question, the dial in numbers are (833) 562-0124 (toll-free) and (661) 567-1102 (international), Conference ID 9641157.

About EchoStar Corporation

EchoStar Corporation (NASDAQ: SATS) is a premier global provider of satellite communications solutions. Headquartered in Englewood, Colo., and conducting business around the globe, EchoStar is a pioneer in secure communications technologies through its Hughes Network Systems and EchoStar Satellite Services business segments.

Safe Harbor Statement under the US Private Securities Litigation Reform Act of 1995

This press release may contain statements that are forward looking, as that term is defined by the Private Securities Litigation Reform Act of 1995. These forward-looking statements are based on management's beliefs, as well as assumptions made by, and information currently available to, management. When used in this release, the words "believe," "anticipate," "goal," "seek," "estimate," "expect," "intend," "project," "continue," "future," "will," "would," "can," "may," "plans," and similar expressions and the use of future dates are intended to identify forward-looking statements. Although management believes that the expectations reflected in these forward-looking statements are reasonable, it can give no assurance that these expectations will prove to have been correct. You are cautioned not to place undue reliance on any forward-looking statements, which speak only as of the date made. We assume no responsibility for the accuracy of forward-looking statements or information or for updating forward-looking information or statements. These statements are subject to certain risks, uncertainties, and assumptions. See "Risk Factors" in EchoStar's Annual Report on Form 10-K for the period ended December 31, 2020 as filed with the Securities and Exchange Commission and in the other documents EchoStar files with the Securities and Exchange Commission from time to time.

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ECHOSTAR CORPORATION
Consolidated Balance Sheets
(Amounts in thousands, except share and per share amounts)

	As of	
	June 30, 2021	**December 31, 2020**
Assets		
Current assets:		
Cash and cash equivalents	$ 716,522	$ 896,005
Marketable investment securities	841,521	1,638,271
Trade accounts receivable and contract assets, net	186,945	183,989
Other current assets, net	194,095	189,821
Total current assets	1,939,083	2,908,086
Non-current assets:		
Property and equipment, net	2,431,653	2,390,313
Operating lease right-of-use assets	131,931	128,303
Goodwill	511,886	511,597
Regulatory authorizations, net	474,770	478,762
Other intangible assets, net	14,773	18,433
Other investments, net	340,688	284,937
Other non-current assets, net	364,822	352,921
Total non-current assets	4,270,523	4,165,266
Total assets	$ 6,209,606	$ 7,073,352
Liabilities and Stockholders' Equity		
Current liabilities:		
Trade accounts payable	$ 121,635	$ 122,366
Current portion of long-term debt, net	—	898,237
Contract liabilities	127,820	104,569
Accrued expenses and other current liabilities	297,649	299,999
Total current liabilities	547,104	1,425,171
Non-current liabilities:		
Long-term debt, net	1,495,619	1,495,256
Deferred tax liabilities, net	394,155	359,896
Operating lease liabilities	118,779	114,886
Other non-current liabilities	69,044	70,893
Total non-current liabilities	2,077,597	2,040,931
Total liabilities	2,624,701	3,466,102

Commitments and contingencies

ECHOSTAR CORPORATION
Consolidated Balance Sheets
(Amounts in thousands, except share and per share amounts)

Stockholders' equity:		
Preferred stock, $0.001 par value, 20,000,000 shares authorized, none issued and outstanding at both June 30, 2021 and December 31, 2020	—	—
Common stock, $0.001 par value, 4,000,000,000 shares authorized:		
Class A common stock, $0.001 par value, 1,600,000,000 shares authorized, 57,825,270 shares issued and 42,289,277 shares outstanding at June 30, 2021 and 57,254,201 shares issued and 48,863,374 shares outstanding at December 31, 2020	58	57
Class B convertible common stock, $0.001 par value, 800,000,000 shares authorized, 47,687,039 shares issued and outstanding at both June 30, 2021 and December 31, 2020	48	48
Class C convertible common stock, $0.001 par value, 800,000,000 shares authorized, none issued and outstanding at both June 30, 2021 and December 31, 2020	—	—
Class D common stock, $0.001 par value, 800,000,000 shares authorized, none issued and outstanding at both June 30, 2021 and December 31, 2020	—	—
Additional paid-in capital	3,337,190	3,321,426
Accumulated other comprehensive income (loss)	(182,226)	(187,876)
Accumulated earnings (losses)	699,405	583,591
Treasury shares, at cost	(343,869)	(174,912)
Total EchoStar Corporation stockholders' equity	3,510,606	3,542,334
Non-controlling interests	74,299	64,916
Total stockholders' equity	3,584,905	3,607,250
Total liabilities and stockholders' equity	$ 6,209,606	$ 7,073,352

ECHOSTAR CORPORATION
Consolidated Statements of Operations
(Amounts in thousands, except per share amounts)

	For the three months ended June 30,		For the six months ended June 30,	
	2021	**2020**	**2021**	**2020**
Revenue:				
Services and other revenue	$ 431,279	$ 417,043	$ 861,616	$ 825,400
Equipment revenue	68,555	42,423	120,800	99,732
Total revenue	499,834	459,466	982,416	925,132
Costs and expenses:				
Cost of sales - services and other (exclusive of depreciation and amortization)	139,547	141,019	272,336	286,271
Cost of sales - equipment (exclusive of depreciation and amortization)	54,503	32,542	99,654	78,450
Selling, general and administrative expenses	114,038	113,798	228,157	239,079
Research and development expenses	7,441	7,448	14,986	13,702
Depreciation and amortization	118,982	129,887	248,268	262,255
Impairment of long-lived assets	15	—	245	—
Total costs and expenses	434,526	424,694	863,646	879,757
Operating income (loss)	65,308	34,772	118,770	45,375
Other income (expense):				
Interest income, net	5,240	10,760	11,189	26,343
Interest expense, net of amounts capitalized	(28,868)	(38,258)	(63,535)	(74,491)
Gains (losses) on investments, net	30,633	(6,090)	109,233	(52,762)
Equity in earnings (losses) of unconsolidated affiliates, net	(4,044)	(6,345)	(2,670)	(3,732)
Foreign currency transaction gains (losses), net	665	1,560	(3,404)	(9,284)
Other, net	(12,767)	(391)	(13,697)	(670)
Total other income (expense), net	(9,141)	(38,764)	37,116	(114,596)
Income (loss) before income taxes	56,167	(3,992)	155,886	(69,221)
Income tax benefit (provision), net	(21,152)	(10,851)	(43,299)	(3,359)
Net income (loss)	35,015	(14,843)	112,587	(72,580)
Less: Net loss (income) attributable to non-controlling interests	2,280	3,431	3,227	6,873
Net income (loss) attributable to EchoStar Corporation common stock	$ 37,295	$ (11,412)	$ 115,814	$ (65,707)
Earnings (losses) per share - Class A and B common stock:				
Basic	$ 0.41	$ (0.12)	$ 1.26	$ (0.67)
Diluted	$ 0.41	$ (0.12)	$ 1.25	$ (0.67)

ECHOSTAR CORPORATION
Consolidated Statements of Cash Flows
(Amounts in thousands)

	For the six months ended June 30,	
	2021	**2020**
Cash flows from operating activities:		
Net income (loss)	$ 112,587	$ (72,580)
Adjustments to reconcile net income (loss) to cash flows provided by (used for) operating activities:		
Depreciation and amortization	248,268	262,255
Impairment of long-lived assets	245	—
Losses (gains) on investments, net	(109,233)	52,762
Equity in losses (earnings) of unconsolidated affiliates, net	2,670	3,732
Foreign currency transaction losses (gains), net	3,404	9,284
Deferred tax provision (benefit), net	34,024	(2,452)
Stock-based compensation	3,825	4,509
Amortization of debt issuance costs	2,008	2,120
Other, net	6,198	(7,295)
Changes in assets and liabilities, net:		
Trade accounts receivable and contract assets, net	(3,363)	(5,262)
Other current assets, net	(1,120)	(11,642)
Trade accounts payable	(9,631)	(11,701)
Contract liabilities	23,251	(11,229)
Accrued expenses and other current liabilities	621	27,050
Non-current assets and non-current liabilities, net	(5,114)	5,729
Net cash provided by (used for) operating activities	308,640	245,280
Cash flows from investing activities:		
Purchases of marketable investment securities	(939,255)	(555,367)
Sales and maturities of marketable investment securities	1,824,332	977,532
Expenditures for property and equipment	(262,466)	(196,904)
Expenditures for externally marketed software	(16,835)	(19,237)
Purchase of other investments	(50,000)	(5,500)
Sales of other investments	10,516	—
Net cash provided by (used for) investing activities	566,292	200,524
Cash flows from financing activities:		
Repurchase and maturity of the 2021 Senior Unsecured Notes	(901,818)	—
Payment of finance lease obligations	(476)	(421)
Payment of in-orbit incentive obligations	(1,431)	(1,021)
Net proceeds from Class A common stock options exercised	—	436
Net proceeds from Class A common stock issued under the Employee Stock Purchase Plan	4,815	5,300
Treasury share repurchase	(163,822)	(5,893)
Contribution by non-controlling interest holder	9,880	10,000
Other, net	(966)	674
Net cash provided by (used for) financing activities	(1,053,818)	9,075
Effect of exchange rates on cash and cash equivalents	(443)	(19,232)
Net increase (decrease) in cash and cash equivalents	(179,329)	435,647
Cash and cash equivalents, including restricted amounts, beginning of period	896,812	1,521,889
Cash and cash equivalents, including restricted amounts, end of period	$ 717,483	$ 1,957,536