UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): April 28, 2020 (April 28, 2020)

SIRIUS XM HOLDINGS INC.

(Exact Name of Registrant as Specified in its Charter)

Delaware (State or other Jurisdiction of Incorporation) 001-34295

38-3916511

(I.R.S. Employer Identification No.)

(Commission File Number)

1221 Avenue of the Americas, 35th Floor, New York, NY (Address of Principal Executive Offices)

10020

(Zip Code)

Registrant's telephone number, including area code: (212) 584-5100 Former name or former address, if changed since last report: 1290 Avenue of the Americas, 11th Floor, New York, NY 10104

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

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

Title of each class	Trading symbol(s)	Name of exchange on which registered
Common stock, \$0.001 par value	SIRI	NASDAQ Global Select Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (17 CFR §230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2).

Emerging growth company \Box

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.

Item 2.02 Results of Operations and Financial Condition

On April 28, 2020, we reported our financial and operating results for thethree months ended March 31, 2020. These results are discussed in the press release attached hereto as Exhibit 99.1, which is incorporated by reference in its entirety.

Item 7.01 Regulation FD Disclosure

The first quarter 2020 financial information about our subsidiary, Sirius XM Radio Inc., will be posted to our website at investor.siriusxm.com. Sirius XM Radio Inc. is furnishing this information in order to comply with the reporting obligations in the indentures governing its outstanding notes.

* * *

The information in this Current Report on Form 8-K, including Exhibit 99.1 hereto, is being furnished pursuant to Item 2.02 and Item 7.01 of Form 8-K, as applicable, and shall not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing made by us under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such a filing.

Item 9.01 Financial Statements and Exhibits

(d) Exhibits.

- 99.1 Press release dated April 28, 2020.
- 104 The cover page from this Current Report on Form 8-K, formatted in Inline XBRL.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

SIRIUS XM HOLDINGS INC.

By: /s/ Patrick L. Donnelly

Patrick L. Donnelly Executive Vice President, General Counsel and Secretary

Dated: April 28, 2020



SiriusXM Reports First Quarter 2020 Results

- SiriusXM Responds to COVID-19 Crisis; Company Withdraws 2020
 Guidance
- Self-Pay Net Subscriber Additions of 69,000 Reported for First
 Quarter
- First Quarter Revenue of \$2.0 Billion; a Pro Forma Increase of 5%
- First Quarter Net Income of \$293 Million; Diluted EPS of \$0.07
- Adjusted EBITDA Reaches \$639 Million in the First Quarter, up
 13%

NEW YORK – April 28, 2020 – SiriusXM today announced first quarter 2020 operating and financial results, including revenue of \$2.0 billion, increasing 5% on a pro forma basis compared to the prior year period. The Company's net income was \$293 million in the first quarter 2020, compared to \$162 million in the prior year period. Net income per diluted common share was \$0.07 in the first quarter 2020, compared to \$0.03 in the prior year period.

Adjusted EBITDA in the first quarter totaled \$639 million, up 13% from \$567 million in the prior year period, resulting in an adjusted EBITDA margin of 32.7%, an improvement of approximately 220 basis points from the 2019 period. The improvement in adjusted EBITDA margin was driven primarily by revenue growth across the business and reductions in subscriber acquisition costs, general and administrative costs and customer service and billing costs. Pro forma figures, including adjusted EBITDA, assume the Pandora acquisition closed on January 1, 2019.

"Since the start of the global pandemic, our top priorities have been ensuring our employees' safety and well-being, and continuing to support our subscribers and listeners by providing them the best entertainment, news, and information in the audio space. On both fronts, I'm pleased by our response. We are streaming SiriusXM for free, and we have been in overdrive introducing new shows, channels and special virtual moments. In conjunction with NYU Langone Health, we've launched a 24/7 COVID-19 focused channel and hotline, an important complement to our Doctor Radio channel. We welcomed the healthy return of Andy Cohen, Howard Stern interviewed Governor Andrew Cuomo, and SiriusXM contributed \$2 million to COVID-19 response charities, with a nearterm focus on New York, San Francisco, and Detroit - the home of our two biggest employee bases and the primary community of our automakers. I'm also proud that we have joined with Music Cares to support our artist community and to donate advertising inventory to the Ad Council in support of COVID-19 informational campaigns," said Jim Meyer, Chief Executive Officer, SiriusXM.

"This challenging period has in fact inspired enormous creativity from our programming teams at SiriusXM and Pandora, but creativity and adaptability has not just been limited to our programming teams. Global stay-at-home orders swiftly and materially altered the way we work. We've navigated the material disruption of call center staffing by migrating thousands of team members to work-from-home in mere days, retooled marketing campaigns, worked quickly to support our automakers, and more. In short, we immediately took steps to ensure that our audio entertainment service would be uninterrupted, to provide the best possible customer service, and to continue to operate our business with the level of excellence you have come to expect from SiriusXM. I could not be prouder of the effort and performance of our teams throughout this period," added Meyer.

"In the face of the economy hitting the brakes hard in March, SiriusXM's first quarter results were very strong. Auto sales, advertising and customer responses to marketing campaigns all fell swiftly in the second half of March, yet we delivered increasing subscribers, solid revenue growth and 13% adjusted EBITDA growth to a first quarter record of \$639 million. Just as it was a little over a decade ago during the global financial crisis, SiriusXM's subscriber-based business model is resilient. We do not know what the shape of a recovery from this current crisis will look like, however, we are confident that our business will continue to generate substantial positive free cash

flow. Once we have a better view of how and when the economy will restart, we plan to resume providing guidance," added Meyer.

Additional information about our business, results of operations and the evolving impact of the COVID-19 crisis on our business and operations is included below under "SPECIAL NOTE ON COVID-19 RESPONSE." Additional information, including the new risk factor entitled "The current coronavirus (COVID-19) pandemic is negatively impacting our business," regarding the impact of the COVID-19 crisis on our business and operations is contained in our Quarterly Report on Form 10-Q which will be filed with the Securities and Exchange Commission.

FURTHER UPDATE ON BUSINESS, LIQUIDITIY, AND CAPITAL RETURNS

"During the first quarter, we built upon our successful advertising sales arrangement by investing \$75 million in SoundCloud and joining its Board of Directors. The SiriusXM, Pandora and SoundCloud listening platforms together offer content owners and advertisers the opportunity to access an audience of 140 million North American audio listeners. SoundCloud has an outstanding team of people, and we are excited about what we can do together," said David Frear, Chief Financial Officer, SiriusXM.

"SiriusXM returned approximately \$300 million of capital to stockholders in the first quarter of 2020. We repurchased approximately \$243 million of our common stock and paid approximately \$59 million in dividends to stockholders. Last week, we announced our regularly quarterly dividend. We expect to continue this quarterly dividend in 2020 and beyond. In late March, we temporarily suspended our stock repurchases as we evaluated the implications of the COVID-19 crisis. Our existing stock repurchase program has \$924 million remaining under the present authorization. At the end of the first quarter, our debt to adjusted EBITDA ratio was 3.1 times, and we had the entire \$1.75 billion available on our revolving credit facility. With our very strong liquidity and cash flow, we plan to resume share repurchases in the second quarter and beyond," added Frear.

The Company also announced that it has withdrawn its full-year 2020 guidance for self-pay net subscriber additions, revenue, adjusted EBITDA and free cash flow first issued on January 7, 2020. The Company plans to release revised guidance at a future date when more data is available on the effects of the COVID-19 crisis on its business and inferences can be reasonably drawn regarding the timing of an economic recovery.

Shares of common stock may be purchased from time to time on the open market, pursuant to pre-set trading plans meeting the requirements of Rule 10b5-1 under the Exchange Act of 1934, as amended, in privately negotiated transactions, including in accelerated stock repurchase transactions and transactions with Liberty Media and its affiliates, or otherwise. The Company expects to fund the repurchases through a combination of cash on hand, cash generated by operations and future borrowings. The size and timing of these purchases will be based on a number of factors, including price and business and market conditions.

The Company's dividend policy may change at any time without notice to stockholders. The declaration and payment of dividends is at the discretion of the Company's Board of Directors in accordance with applicable law after taking into account various factors, including the Company's financial condition, operating results, current and anticipated cash needs, limitations imposed by its indebtedness, legal requirements and other factors that the Board of Directors deems relevant.

FIRST QUARTER 2020 HIGHLIGHTS

SiriusXM operates two complementary audio entertainment businesses — our SiriusXM business and our Pandora business . Further information regarding these two segments will be contained in the Company's quarterly report on Form 10-Q for the quarter ended March 31, 2020. The pro forma financial and operating highlights below exclude the impact of share-based payment expense.

SIRIUSXM

- Self-Pay Subscribers Top 30.0 Million. SiriusXM added approximately 69,000 net new self-pay subscribers in the first quarter. Total net subscriber additions were (143,000), resulting in nearly 34.8 million total SiriusXM subscribers at the end of the period. Paid promotional subscribers decreased due to declines in shipments from automakers offering paid trial subscriptions with the purchase or lease of a vehicle. The total trial funnel stood at approximately 9.1 million at the end of the first quarter, down from approximately 9.3 million at the end of 2019. Self-pay monthly churn for the first quarter was 1.8%, approximately flat from 2019.
- SiriusXM Revenue of \$1.6 Billion. First quarter revenue grew 6% to \$1.6 billion. This growth was driven by a 2% increase in total SiriusXM subscribers and 3% growth in SiriusXM's average revenue per user (ARPU) to \$13.95.
- Gross Profit Grows 7%. Total cost of services at SiriusXM increased 4% to \$593 million in the first quarter, driven primarily by higher revenue share and royalties and programming and content expenses. Gross profit at SiriusXM in the quarter totaled \$992 million, increasing 7% over the first quarter of 2019, and produced a gross margin of 63%, flat compared to the prior year.
- Latest in Programming. SiriusXM began to create virtual events in response to the crisis, first for the Ultra Music Festival. Garth Brooks gave a live home studio performance, and Taylor Swift kicked off a new Home DJ series. Bruce Springsteen twice delivered special playlists and commentary to the company's listeners, SiriusXM broadcast nationwide events like the Jersey 4 Jersey benefit, and Howard Stern delivered ground breaking interviews of Tom Brady and Paul McCartney.

PANDORA

- Advertising Revenue Hits \$241 million. First quarter ad revenue at Pandora reached a first-quarter high of \$241 million, growing 4% over the first quarter of 2019. Ad revenue was driven by strong monetization of \$68 per thousand hours, growing 8% over the prior year. Strength in traditional audio advertising, boosted by video programmatic and engagement-based video, as well as the expansion of off-platform efforts and fees generated on the AdsWizz platform drove revenue growth. A reduction in subscription revenue at Pandora following the roll-off of paid promotional subscribers in the third quarter of 2019 discussed below contributed to total revenue growth for Pandora of 1% to 369 million for the first quarter of 2020.
- Total Ad Supported Listener Hours of 3.1 Billion. Monthly Active Users (MAUs) at Pandora were 60.9 million in the first quarter, down from 66.0 million in the prior year period. Total ad supported listener hours were 3.13 billion in the period, down from 3.42 billion in the first quarter of 2019.
- Self-Pay Net Adds of 51,000. Pandora added 51,000 net new self-pay subscribers to its Pandora Plus and Pandora Premium service in the first quarter to end the period with over 6.2 million self-pay subscribers. Paid promotional subscribers remained near 51,000, flat quarter-on-quarter but down from 736,000 at the end of the first quarter of 2019, as a result of a reduction in paid promotional subscriptions due to the expiration of an agreement with T-Mobile in the third quarter of 2019. Total Pandora subscribers at the end of the period were 6.3 million.
- Gross Profit Declines 5%. Total cost of services at Pandora in the first quarter of 2020 of \$264 million grew 4% compared with the first quarter of 2019. This resulted in gross profit at Pandora of \$105 million, down 5% over the first quarter of 2019, and produced a gross margin for the quarter of 28%, down approximately 200 basis points from 30% in the first quarter of 2019. This contraction was driven primarily by slightly higher revenue share and royalties and customer service and billing expenses as a percentage of revenue.

Subscriber acquisition costs declined by 8% to \$99 million in the first quarter driven by lower hardware subsidies as certain subsidy rates decreased as well as a decline in OEM installations as a result of the COVID-19 pandemic. The growth in sales and marketing costs decreased by 3% to a total of \$208 million. Engineering, design and development costs rose 9% as we continued to invest in new streaming services, next generation 360L radios, and chipsets. Excluding a one-time \$25 million legal settlement reserve in the first quarter of 2019, general and administrative expenses declined 15% to \$91 million driven by lower personnel costs.

With revenue up 5% and growth in total cash operating expenses of just 1.6%, excluding depreciation and amortization, share-based payment expenses, and legal settlements and reserves, adjusted EBITDA expanded by 13%. Free cash flow grew by 16% to \$348 million, driven by higher cash from operations and lower capital expenditures.

SPECIAL NOTE ON COVID-19 RESPONSE

General

In general, the COVID-19 pandemic, coupled with government issued stay-at-home orders, is having a widespread and broad reaching effect on the economy. Automakers have idled plants, and dealers have closed their retail operations. New and used vehicle sales have declined sharply in recent weeks. Sporting events have been cancelled, theaters are closed and concerts have been postponed indefinitely. The impact of the COVID-19 pandemic on the travel industry has been far-reaching, adversely affecting airlines, hotels, cruise ships and theme parks. Unemployment is rising at historic rates as non-essential businesses have been closed and workers have been furloughed. Media spending by businesses has dropped sharply. To add to the uncertainty, it is unclear when an economic recovery could start and what a recovery will look like after this historic shutdown of the economy.

Against this background and these broad-based economic effects, the full extent to which the COVID-19 pandemic may negatively impact our business is still uncertain. The scope of the effects of the COVID-19 pandemic on our businesses depends on many factors beyond our control, and the effects are difficult to assess or predict with meaningful precision both generally and specifically as to our Sirius XM and Pandora businesses. While, due to the nature of our business, the effect of the pandemic may not be fully reflected in our results of operations until future periods, we believe that the adverse impact of the COVID-19 pandemic will be material to our business.

Potential Impact on our Results of Operations

It is difficult to predict how the COVID-19 pandemic will affect our company in the long-term. Based on what we have observed to date, however, we have attempted below to provide our projection as to how the pandemic will affect our business, including our revenue and expenses, over the next six months. The COVID-19 pandemic did not have a material effect on our revenue and expenses during the quarter ended March 31, 2020. We presently believe that the COVID-19 pandemic and its related economic impact will:

- adversely affect our subscriber revenue due to the decline in sales of new and used vehicles, reduced drive time, increased churn and the inability of our vendors to fully staff call centers;
- cause a decline in advertising revenues in our Pandora and SiriusXM businesses as third parties pull back on advertising spending generally;
- have an adverse effect on our equipment revenue and the sale of satellite radios, components and accessories;
- negatively impact our other revenue as the pandemic is anticipated to have similar adverse effects on Sirius XM Canada and its service as well as adversely affect our connected services business;
- reduce our revenue share and royalties expenses, although in our Pandora ad-supported service royalty reductions may not be commensurate with the decline in ad revenues;
- not significantly affect our programming and content expenses as we expect to continue to honor our agreements to acquire, create, promote and
 produce content, including our obligations in some cases to sports leagues that have cancelled significant portions of their seasons;
- reduce our customer service and billing costs as we may experience lower costs as a result of the inability of our vendors to fully staff the operation
 and management of customer service centers, although such cost reductions are expected to be partially offset by increased bad debt expense;
- not significantly affect our transmission expenses and costs of equipment expenses;
- reduce subscriber acquisition costs as hardware subsidies paid to radio manufacturers, distributors and automakers and subsidies paid for chipsets
 and certain other components used in manufacturing radios are expected to decline as a result of a reduction in vehicle production and possible
 disruptions to the supply chain;
- decrease sales and marketing expenses as the reduction in auto sales is anticipated to reduce trial subscription starts, the volume of our marketing campaigns and the associated expenses related to direct mail, outbound telemarketing and email communications, and as we likely reduce our spending on marketing, advertising, media and production, and digital performance media;

- reduce our engineering, design and development expenses as we plan to slow the development of new products and services, including streaming
 and connected vehicle services, and research and development efforts in the ordinary course;
- · reduce our general and administrative expenses as a result of reductions in compensation, travel and entertainment and other costs; and
- not affect our depreciation and amortization expenses.

Other Potential Impacts

We have taken actions to help ensure that our audio entertainment service will continue uninterrupted through the COVID-19 pandemic, including activating our business continuity plans and implementing steps to enable employees to work remotely. The impact of these actions on our workforce are also difficult to assess, but the experience has presented new challenges for our employees as they balance the demands of the pandemic with their daily operational role. To date, however, we do not believe that these remote work arrangements have adversely affected our ability to maintain our financial reporting systems, internal control over financial reporting and disclosure controls and procedures. In addition, we do not expect to encounter any significant challenges to our ability to maintain these systems and controls.

We do not expect the COVID-19 pandemic and its related economic impact to affect our capital and financial resources, including our liquidity position. To date, the pandemic has not increased our costs of or reduced our access to capital under our revolving credit facility, and we do not believe it is reasonably likely to in the future. In addition, we do not believe that the pandemic will affect our ongoing ability to meet the covenants in our debt instruments, including under our revolving credit facility.

We believe that we have sufficient cash and cash equivalents, as well as debt capacity, to cover our estimated short-term and long-term funding needs, including amounts to construct, launch and insure replacement satellites, as well as fund future stock repurchases, future dividend payments and strategic opportunities. As of March 30, 2020, \$1.75 billion was available for future borrowing under our revolving credit facility.

We also do not expect the pandemic to affect the assets on our balance sheet and our ability to timely account for those assets. For example, we do not anticipate making any significant changes as a result of the pandemic in judgments in determining the fair-value of assets measured in accordance with generally accepted accounting principles.

In addition, we do not anticipate any material impairments with respect to goodwill, indefinite life and definite life intangible assets, right of use assets or investments, increases in allowances for credit losses, restructuring charges, other expenses, or changes in accounting judgments that would have an adverse impact on our financial statements.

You should not place undue reliance on any of these forward-looking statements. In addition, any forward-looking statement speaks only as of the date on which it is made, and we undertake no obligation to update any forward-looking statement or statements to reflect events or circumstances after the date on which the statement is made, to reflect the occurrence of unanticipated events or otherwise, except as required by law. New factors emerge from time to time, and it is not possible for us to predict which will arise or to assess with any precision the impact of each factor on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements.

FIRST QUARTER 2020 RESULTS

SIRIUS XM HOLDINGS INC. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (UNAUDITED)

In multice, accorpt pr share data)20192019Revenue:Subscribe revenue\$1.585\$1.458Advertising revenue285209201920192019Equipment revenue411411411411411Other revenue411361		For the Three M	onths End	ed March 31,
S bascher revenue S 1.585 S 1.458 Advertsing revenue 285 209 Equipment revenue 41 41 Other revenue 41 36 Total revenue 1,92 1,744 Operating expenses: 1,922 1,744 Cost of services: 570 492 Programming and content 118 1016 Customer service and billing 118 1016 Customer service and billing 118 1013 Transmission 40 31 Cost of equipment 41 6 Subscriber acquisition costs 99 1018 Engineering, design and development 71 54 General and administrative 107 135 Depreciation and anorization 132	(in millions, except per share data)	2020		2019
Adversing revenue 285 209 Equipment revenue 41 41 Other revenue 41 36 Total revenue 1,952 1,744 Operating expenses: 1,952 1,744 Cost of service: 118 016 Customer service and billing 118 016 Subscriber acquisition cots 99 008 Sales and marketing 71 54 General and administrative 017 135 Depreciation and admoritration 132 0107<	Revenue:			
Equipment revenue 41 41 Other revenue 1,952 1,744 Operating expenses: 50 492 Cost of services: 70 492 Revenue shear and royalties 50 492 Programming and content 118 118 Cast of equipment 118 113 Transmission 40 31 Cost of equipment 4 6 Subscriber acquisition costs 99 108 Sales and marketing 225 183 Engineering, design and development 107 135 Depreciation and anorization 122 107 Acquisition and other related costs — 76 Otal operating expenses (444 1.411 Income from operations 468 333 Other (expense) income:	Subscriber revenue	\$ 1,58	5 \$	1,458
Other revenue 41 36 Total revenue 1,952 1,744 Operating expenses: 1 Cost of services: 570 492 Revenue share and royalties 570 492 Programming and content 118 106 Customer service and billing 118 113 Transmission 40 31 Cost of equipment 4 6 Subscriber acquisition costs 99 108 Sales and marketing 225 183 Engineering, design and development 71 544 General and administrative 107 135 Depreciation and unotrization 122 107 Acquisition and other related costs	Advertising revenue	285	j	209
Total revenue 1,952 1,744 Operating expenses:	Equipment revenue	4		41
Operating expenses: Initial Cost of services: 570 492 Revenue share and royalies 570 492 Programming and content 118 113 Transmission 40 31 Cost of equipment 4 6 Subscriber acquisition costs 99 108 Sales and marketing 225 183 Engineering, design and development 107 135 Depretation and administrative 107 135 Depretation administrative 107 135 Depretation administrative 118 148 Income from operations 1484	Other revenue	4		36
Cost of services: 570 492 Programming and content 118 106 Custome service and billing 118 113 Transmission 40 31 Cost of equipment 4 6 Subscriber acquisition costs 99 108 Sales and marketing 225 183 Engineering, design and development 71 54 General and administrativo 107 135 Depreciation and amortization 132 107 Acquisition and other related costs — 76 Total operating expenses 1.448 1.441 Income from operations 468 333 Other (expense) income: — — 76 Interest expense (99) (90) (90) (90) Loss on extinguishment of debt — — (11 0ther (expense) income 4 1 Total operating income to fax	Total revenue	1,952	2	1,744
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Depreciation and amortization 132 107 Acquisition and other related costs — 76 Total operating expenses 1,484 1,411 Income from operations 468 333 Other (expense) income:	Engineering, design and development	7		54
Acquisition and other related costs — 76 Total operating expenses 1,484 1,411 Income from operations 468 333 Other (expense) income: 468 333 Interest expense (99) (90) Loss on extinguishment of debt — (1) Other (expense) income 4 1 Total other (expense) income (95) (90) Income before income taxes 373 243 Income before income taxes 373 243 Income tax expense (80) (81) Net income § 293 § 162 Foreign currency translation adjustment, net of tax (25) 7 Total comprehensive income § 208 § 169 Net income per common share: — — Basic § 0.07 § 0.03 Weighted average common shares outstanding: — — Basic 4,405 4,515	General and administrative	107	,	135
Total operating expenses 1,484 1,411 Income from operations 468 333 Other (expense) income: 1 1 Interest expense (99) (90) Loss on extinguishment of debt (1) Other (expense) income 4 1 Total other (expense) income 4 1 Intore stores income 95 (90) Income before income taxes 373 243 Income before income taxes 373 243 Income before income taxes (80) (81) Net income § 293 § 162 Foreign currency translation adjustment, net of tax (25) 7 Total comprehensive income § 268 § 169 Net income per common share:	Depreciation and amortization	132	2	107
Income from operations 468 333 Other (expense) income:	Acquisition and other related costs		-	76
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Loss on extinguishment of debt—(1)Other (expense) income41Total other (expense) income(95)(90)Income before income taxes373243Income tax expense(80)(81)Net income§293§Foreign currency translation adjustment, net of tax(25)7Total comprehensive income§268§Net income per common share:11Basic§0.07§Diluted\$0.07§Weighted average common shares outstanding:4,4054,571Diluted4,4054,5714,678Diluted4,5154,678	Other (expense) income:			
Other (expense) income 4 1 Total other (expense) income (95) (90) Income before income taxes 373 243 Income tax expense (80) (81) Net income \$ 293 \$ Foreign currency translation adjustment, net of tax (25) 7 Total comprehensive income \$ 268 \$ Net income per common share: \$ 0.07 \$ 0.04 Diluted \$ 0.07 \$ 0.03 Weighted average common shares outstanding: \$ 44.05 4.571 Diluted \$ 0.47 \$ 0.03	Interest expense	(99))	(90)
Total other (expense) income (95) (90) Income before income taxes 373 243 Income tax expense (80) (81) Net income \$ 293 \$ 162 Foreign currency translation adjustment, net of tax (25) 7 Total comprehensive income \$ 268 \$ 169 Net income per common share:	Loss on extinguishment of debt	-	-	(1)
Income before income taxes 373 243 Income tax expense (80) (81) Net income \$ 293 \$ 162 Foreign currency translation adjustment, net of tax (25) 7 Total comprehensive income \$ 268 \$ 169 Net income per common share: \$ 0.07 \$ 0.04 Basic \$ 0.07 \$ 0.03 Weighted average common shares outstanding: 4,405 4,571 Diluted 4,515 4,678	Other (expense) income	2		1
Income tax expense (80) (81) Net income \$ 293 \$ 162 Foreign currency translation adjustment, net of tax (25) 7 Total comprehensive income \$ 268 \$ 169 Net income per common share: \$ 0.07 \$ 0.04 Basic \$ 0.07 \$ 0.03 Weighted average common shares outstanding: \$ 4,405 4,571 Diluted 4,515 4,678	Total other (expense) income	(99	;)	(90)
Net income \$ 293 \$ 162 Foreign currency translation adjustment, net of tax (25) 7 Total comprehensive income \$ 268 \$ 169 Net income per common share:	Income before income taxes	373	,	243
Foreign currency translation adjustment, net of tax(25)7Total comprehensive income\$268\$169Net income per common share: </td <td>Income tax expense</td> <td>(80</td> <td>))</td> <td>(81)</td>	Income tax expense	(80))	(81)
Total comprehensive income\$268\$169Net income per common share:Basic\$0.07\$0.04Diluted\$0.07\$0.03Weighted average common shares outstanding:Basic4,4054,571Diluted4,5154,678	Net income	\$ 293	\$	162
Total comprehensive income\$268\$169Net income per common share:Basic\$0.07\$0.04Diluted\$0.07\$0.03Weighted average common shares outstanding:Basic4,4054,571Diluted4,5154,678	Foreign currency translation adjustment, net of tax	(2:	;)	7
Net income per common share: S 0.07 S 0.04 Basic \$ 0.07 \$ 0.04 Diluted \$ 0.07 \$ 0.03 Weighted average common shares outstanding:	Total comprehensive income	· · · · · · · · · · · · · · · · · · ·	<u> </u>	169
Basic \$ 0.07 \$ 0.04 Diluted \$ 0.07 \$ 0.03 Weighted average common shares outstanding:	*	<u>-</u>		
Diluted \$ 0.07 \$ 0.03 Weighted average common shares outstanding:	-	\$ 0.0	/ \$	0.04
Weighted average common shares outstanding:BasicDiluted4,4054,5154,678				
Basic 4,405 4,571 Diluted 4,515 4,678		5 0.0	ۍ 	0.03
Diluted 4,515 4,678			-	4
				,
Dividends declared per common share \$ 0.01331 \$ 0.01210		4,51:	;	4,678
	Dividends declared per common share	\$ 0.0133	\$	0.01210

SIRIUS XM HOLDINGS INC. AND SUBSIDIARIES CONSOLIDATED BALANCE SHEETS

(in millions, except per share data)		March 31, 2020		December 31, 2019
ASSETS		(unaudited)		
Current assets:				
Cash and cash equivalents	\$	40	\$	106
Receivables, net		604		670
Inventory, net		12		11
Related party current assets		15		22
Prepaid expenses and other current assets		212		194
Total current assets		883		1,003
Property and equipment, net		1,609		1,626
Intangible assets, net		3,429		3,467
Goodwill		3,843		3,843
Related party long-term assets		495		452
Deferred tax assets		89		153
Operating lease right-of-use assets		452		466
Other long-term assets		135		139
Total assets	\$	10,935	\$	11,149
LIABILITIES AND STOCKHOLDERS' EQUITY (DEFICIT)				
Current liabilities:				
Accounts payable and accrued expenses	\$	1,029	\$	1,151
Accrued interest		98		160
Current portion of deferred revenue		1,923		1,930
Current maturities of debt		2		2
Operating lease current liabilities		47		46
Related party current liabilities		3		4
Total current liabilities		3,102		3,293
Long-term deferred revenue		126		130
Long-term debt		7,847		7,842
Deferred tax liabilities		70		70
Operating lease liabilities		444		456
Other long-term liabilities		93		94
Total liabilities		11,682		11,885
Stockholders' equity (deficit):		,	·	,
Common stock, par value \$0.001 per share; 9,000 shares authorized; 4,379 and 4,412 shares issued and outstanding at March 31, 2020 and December 31, 2019, respectively		4		4
Accumulated other comprehensive income (loss), net of tax		(17)		8
Additional paid-in capital		116		395
Treasury stock, at cost; 0 and 0 shares of common stock at March 31, 2020 and December 31, 2019, respectively		110		595
Accumulated deficit		(850)		(1,143)
Total stockholders' equity (deficit)				
	¢	(747)	¢.	(736)
Total liabilities and stockholders' equity (deficit)	\$	10,935	\$	11,149

SIRIUS XM HOLDINGS INC. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED)

	For the	Three Months End	ed March 31,
(in millions)	2020		2019
Cash flows from operating activities:			
Net income	\$	293 \$	162
Adjustments to reconcile net income to net cash provided by operating activities:			
Depreciation and amortization		132	107
Non-cash interest expense, net of amortization of premium		5	4
Provision for doubtful accounts		19	14
Amortization of deferred income related to equity method investment		(1)	(1
Loss on extinguishment of debt		—	1
Loss on unconsolidated entity investments, net		2	4
Loss (gain) on other investments		5	(2
Share-based payment expense		55	70
Deferred income taxes		72	77
Changes in operating assets and liabilities:			
Receivables		47	(13
Inventory		(1)	2
Related party, net		6	(1
Prepaid expenses and other current assets		(18)	(31
Other long-term assets		2	3
Operating lease right-of-use assets		14	19
Accounts payable and accrued expenses		(131)	15
Accrued interest		(62)	(42
Deferred revenue		(11)	20
Operating lease liabilities		(11)	(17
Other long-term liabilities			
		(1)	5
Net cash provided by operating activities		416	396
Cash flows from investing activities:			(2.2
Additions to property and equipment		(62)	(90
Purchases of other investments		(6)	(6
Acquisition of business, net of cash acquired		—	313
Sale of short-term investments			72
Investments in related parties and other equity investees		(80)	(5
Repayment from related party		3	
Net cash (used in) provided by investing activities		(145)	284
Cash flows from financing activities:			
Taxes paid from net share settlements for stock-based compensation		(35)	(33
Revolving credit facility, net of deferred financing costs		—	143
Proceeds from sale of capped call security		—	3
Principal payments of long-term borrowings		(2)	(152
Common stock repurchased and retired		(243)	(576
Dividends paid		(59)	(57
Net cash used in financing activities		(339)	(672
Net (decrease) increase in cash, cash equivalents and restricted cash		(68)	8
Cash, cash equivalents and restricted cash at beginning of period		120	65
Cash, cash equivalents and restricted cash at end of period(1)	\$	52 \$	73

(1) The following table reconciles cash, cash equivalents and restricted cash per the statement of cash flows to the balance sheet. The restricted cash balances are primarily due to letters of credit which have been issued to the landlords of leased office space. The terms of the letters of credit primarily extend beyond one year.

(in millions)	Marc	h 31, 2020	 December 31, 2019	 March 31, 2019	 December 31, 2018
Cash and cash equivalents	\$	40	\$ 106	\$ 62	\$ 54
Restricted cash included in Other long-term assets		12	14	11	11
Total cash, cash equivalents and restricted cash at end of period	\$	52	\$ 120	\$ 73	\$ 65

Unaudited Pro Forma Results

Set forth below are our pro forma results of operations for thethree months ended March 31, 2020 compared with the three months ended March 31, 2019. These pro forma results are based on estimates and assumptions, which we believe are reasonable. They are not the results that would have been realized had the Pandora Acquisition actually occurred on January 1, 2019 and are not indicative of our consolidated results of operations in future periods. The pro forma results primarily include adjustments related to amortization of acquired intangible assets, depreciation of property and equipment, acquisition costs, fair value gain or loss on the Pandora investment and associated tax impacts. Please refer to the Footnotes to Results of Operations.

	For	the Three Month	s Ended Maro	2020 vs 2019 Change				
(in millions)		2020			Amount		%	
Revenue	(Pr	o Forma)	(Pro F	orma)				
Sirius XM:								
Subscriber revenue	\$	1,457	\$	1,370	\$	87	6 %	
Advertising revenue		44		46		(2)	(4)%	
Equipment revenue		41		41		—	<u> </u>	
Other revenue		43		38		5	13 %	
Total Sirius XM revenue		1,585		1,495		90	6 %	
Pandora:								
Subscriber revenue		128		134		(6)	(4)%	
Advertising revenue		241		231		10	4 %	
Total Pandora revenue		369		365		4	1 %	
Total consolidated revenue		1,954		1,860		94	5 %	
Cost of services								
Sirius XM:								
Revenue share and royalties		366		347		19	5 %	
Programming and content		112		102		10	10 %	
Customer service and billing		93		98		(5)	(5)%	
Transmission		27		25		2	8 %	
Cost of equipment		4		6		(2)	(33)%	
Total Sirius XM cost of services		602		578		24	4 %	
Pandora:								
Revenue share and royalties		206		217		(11)	(5)%	
Programming and content		6		4		2	50 %	
Customer service and billing		25		23		2	9 %	
Transmission		13		11		2	18 %	
Total Pandora cost of services		250		255		(5)	(2)%	
Total consolidated cost of services		852		833		19	2 %	
Subscriber acquisition costs		99		108		(9)	(8)%	
Sales and marketing		225		219		6	3 %	
Engineering design and development		71		68		3	4 %	
Engineering, design and development General and administrative		107		151		(44)	(29)%	
Depreciation and amortization		107		131		10	(29)7	
Total operating expenses								
Income from operations		1,486		1,501		(15)	(1)%	
		468		359		109	30 %	
Other (expense) income:		(00)		(02)		(7)	(9)0	
Interest expense Loss on extinguishment of debt		(99)		(92)		(7)	(8)%	
Other (expense) income		4		(1)		1 2	100 % 100 %	
Total other (expense) income				2		(4)		
		(95)	-	(91)			(4)%	
Income before income taxes		373		268		105	39 %	
Income tax expense	*	(80)		(87)		7	8 %	
Net income	\$	293	\$	181	\$	112	62 %	
Adjusted EBITDA	\$	639	\$	567	\$	72	13 %	

Footnotes to Pro Forma Results of Operations

The following tables reconcile our results of operations as reported to our*pro forma* results of operations for the three months ended March 31, 2020 and 2019 which includes the Pandora pre-acquisition financial information for the applicable periods and the effects of purchase price accounting. These pro forma results are based on estimates and assumptions, which we believe are reasonable. They are not the results that would have been realized had the Pandora Acquisition actually occurred on January 1, 2019 and are not indicative of our consolidated results of operations in future periods. The pro forma results primarily include adjustments related to amortization of acquired intangible assets, depreciation of property and equipment, acquisition costs, fair value gain or loss on the Pandora investment and associated tax impacts.

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		Unaudited for the Three Months Ended March 31, 2019									
(in millions)	As Dana	ار مغر		essor Financial	Purchas		Def	1	Pro Forma		
(in millions) Revenue	As Repo	rtea	Int	ormation (c)	Accounting A	ajustments	Ref		ro Forma		
Sirius XM:											
Subscriber revenue	\$	1,370	\$		\$			\$	1,370		
Advertising revenue	ψ	46	φ	_	ψ	_		φ	46		
Equipment revenue		41		_		_			40		
Other revenue		36		_		2	(d)		38		
Total Sirius XM revenue		1,493				2	(u)		1,495		
Pandora:		1,75				2			1,75		
Subscriber revenue		88		46					134		
Advertising revenue		163		68					231		
Total Pandora revenue		251		114	-	_	-		365		
Total consolidated revenue		1,744		114		2			1,860		
Cost of services		1,/44		114		2			1,000		
Sirius XM:											
Revenue share and royalties		347							347		
Programming and content		102		_		_			102		
Customer service and billing		98							98		
Transmission		25							25		
Cost of equipment		6							6		
Total Sirius XM cost of services		578				_	•		578		
Pandora:		570							570		
Revenue share and royalties		145		71		1	(e)		217		
Programming and content		4				_	(0)		4		
Customer service and billing		15		8		_			23		
Transmission		6		5					11		
Total Pandora cost of services		170		84		1	•		255		
Total consolidated cost of services		748		84		1	-		833		
Subscriber acquisition costs		108				_			108		
Sales and marketing		183		36		_			219		
Engineering, design and development		54		14		_			68		
General and administrative		135		16		_			151		
Depreciation and amortization		107		6		9	(f)		122		
Acquisition and other related costs		76		1		(77)	(g)		_		
Total operating expenses		1,411		157		(67)	-		1,501		
Income from operations		333		(43)		69	-		359		
Other (expense) income:		333		(43)		09			339		
Interest expense		(90)		(2)					(92)		
Loss on extinguishment of debt		(1)		(=)		_			(1)		
Other (expense) income		1		1		_			2		
Total other (expense) income		(90)		(1)	-	_	-		(91)		
Income before income taxes		243		(44)		69	-		268		
Income tax expense		(81)		(++) —		(6)	(h)		(87)		
Net income	\$	162	\$	(44)	\$	63	(11)	\$	181		
	ф 	102	φ	(++)	Ψ	05		φ	101		

(c) Represents Pandora's results for the period January 1, 2019 through January 31,

(d) This adjustment eliminates the impact of additional revenue associated with certain programming agreements recorded as part of the XM

(a) This adjustment eminates the impact of additional revenue associated with certain programming agreements recorded as part of the Additional expense associated with minimum guarantee royalty contracts recorded as part of the Pandora Acquisition.

(f) This adjustment includes the impact of the additional amortization associated with the acquired intangible assets recorded as part of the Pandora Acquisition that are subject to amortization, partially offset by normal depreciation associated with assets revalued in purchase accounting.

^{2019.}

(g) This adjustment eliminates the impact of acquisition and other related

costs. (h) This adjustment to income taxes was calculated by applying Sirius XM's statutory tax rate at March 31, 2019 to the pro forma adjustments of \$69 and Pandora's loss before income tax of \$(44).

(in millions)	For the Three Months Ended March 31,				2020 vs 2019 Change			
Sirius XM:	 2020	2019		_	Amount	%		
Revenue	 (Pro Forma)		(Pro Forma)	_				
Subscriber revenue	\$ 1,457	\$	1,370	\$	87	6 %		
Advertising revenue	44		46		(2)	(4)%		
Equipment revenue	41		41		_	— %		
Other revenue	43		38		5	13 %		
Total Sirius XM revenue	 1,585		1,495		90	6 %		
Cost of services								
Revenue share and royalties	366		347		19	5 %		
Programming and content ^(a)	105		95		10	11 %		
Customer service and billing (a)	92		97		(5)	(5)%		
Transmission ^(a)	26		24		2	8 %		
Cost of equipment	4		6		(2)	(33)%		
Total Sirius XM cost of services	 593		569		24	4 %		
Gross Profit	\$ 992	\$	926	\$	66	7 %		
Gross Margin %	63 %		62 %		1 %	2 %		

For the three months ended March 31, 2020, we have excluded share-based compensation expense of \$7 related to programming and content, \$1 related to customer service and (a) billing and \$1 related to transmission. For the three months ended March 31, 2019, we have excluded share-based compensation expense of \$7 related to programming and content, \$1 related to customer service and billing and \$1 related to transmission.

(in millions)	For the Three Months Ended March 31,			2020 vs 2019 Change			
Pandora:	2020		2019			Amount	%
Revenue	(P	ro Forma)		(Pro Forma)			
Subscriber revenue	\$	128	\$	134	\$	(6)	(4)%
Advertising revenue		241		231		10	4 %
Total Pandora revenue		369		365		4	1 %
Cost of services							
Revenue share and royalties (b)		222		217		5	2 %
Programming and content (c)		5		4		1	25 %
Customer service and billing (c)		24		23		1	4 %
Transmission ^(c)		13		10		3	30 %
Total Pandora cost of services		264		254		10	4 %
Gross Profit	\$	105	\$	111	\$	(6)	(5)%
Gross Margin %		28 %		30 %		(2)%	(7)%

For the three months ended March 31, 2020, revenue share and royalties excludes a reversal of a pre-acquisition reserve of \$16 for (b)

royalties.

For the three months ended March 31, 2020, we have excluded share-based compensation expense of \$1 related to programming and content and \$1 related to customer service and (c) billing. For the three months ended March 31, 2019, we have excluded share-based compensation expense of \$1 related to transmission.

Key Financial and Operating Performance Metrics

Subscribers and subscription related revenues and expenses associated with our connected vehicle services and Sirius XM Canada are not included in Sirius XM's subscriber count or subscriber-based operating metrics.

Set forth below are our subscriber balances as of March 31, 2020 compared to March 31, 2019:

	As of	March 31,	2020 vs 20	19 Change
(subscribers in thousands)	2020	2019	Amount	%
Sirius XM				
Self-pay subscribers	30,047	29,046	1,001	3 %
Paid promotional subscribers	4,719	5,125	(406)	(8)%
Ending subscribers	34,766	34,171	595	2 %
Traffic users	9,706	8,849	857	10 %
Sirius XM Canada subscribers	2,687	2,658	29	1 %
Pandora				
Monthly active users - all services	60,926	66,035	(5,109)	(8)%
Self-pay subscribers	6,215	6,160	55	1 %
Paid promotional subscribers	51	736	(685)	(93)%
Ending subscribers	6,266	6,896	(630)	(9)%

The following table contains our Non-GAAP pro forma financial and operating performance measures which are based on our adjusted results of operations for the three months ended March 31, 2020 and 2019:

	F	or the Three Mon	ths End	ded March 31,	2020 vs 2019 Change			
(subscribers in thousands)		2020		2019 (1)		Amount	%	
Sirius XM								
Self-pay subscribers		69		131		(62)	(47)%	
Paid promotional subscribers		(212)		1		(213)	nm	
Net additions		(143)		132		(275)	(208)%	
Weighted average number of subscribers		34,824		34,015		809	2 %	
Average self-pay monthly churn		1.8 %)	1.8 %		%	- %	
ARPU ⁽²⁾	\$	13.95	\$	13.52	\$	0.43	3 %	
SAC, per installation	\$	20.11	\$	24.05	\$	(3.94)	(16)%	
Pandora								
Self-pay subscribers		51		246		(195)	(79)%	
Paid promotional subscribers		1		(20)		21	(105)%	
Net additions ⁽³⁾		52		227		(175)	(77)%	
Weighted average number of subscribers		6,244		6,709		(465)	(7)%	
ARPU	\$	6.85	\$	6.70	\$	0.15	2 %	
Ad supported listener hours (in billions)		3.13		3.42		(0.29)	(8)%	
Advertising revenue per thousand listener hours (RPM)	\$	67.54	\$	62.60	\$	4.94	8 %	
Licensing costs per thousand listener hours (LPM)	\$	37.08	\$	36.64	\$	0.44	1 %	
Licensing costs per paid subscriber (LPU)	\$	4.11	\$	3.97	\$	0.14	4 %	
Total Company								
Adjusted EBITDA	\$	639	\$	567	\$	72	13 %	
Free cash flow ⁽⁴⁾	\$	348	\$	300	\$	48	16 %	
nm - not meaningful								

nm - not meaningful

 Includes Pandora's results for the three month period, inclusive of pre-acquisition results for the period January 1, 2019 through January 31, 2019

(2) ARPU for Sirius XM excludes subscriber revenue from our connected vehicle services of \$44 and \$36 for the three months ended March 31, 2020 and 2019,

respectively.

(3) Amounts may not sum as a result of rounding.

(4) Free cash flow has not been adjusted for Pandora's pre-acquisition results.

Glossary

<u>Monthly active users</u> - the number of distinct registered users on the Pandora services, including subscribers, which have consumed content within the trailing 30 days to the end of the final calendar month of the period. The number of monthly active users on the Pandora services may overstate the number of unique individuals who actively use our Pandora service, as one individual may use multiple accounts. To become a registered user on the Pandora services, a person must sign-up using an email address or phone number, or access our service using a device with a unique identifier, which we use to create an account for our service.

Average self-pay monthly churn - the Sirius XM monthly average of self-pay deactivations for the period divided by the average number of self-pay subscribers for the period.

Adjusted EBITDA - EBITDA is defined as net income before interest expense, income tax expense and depreciation and amortization. We adjust EBITDA to exclude the impact of other expense (income) as well as certain other charges discussed below. Adjusted EBITDA is a Non-GAAP financial measure that excludes or adjusts for (if applicable): (i) certain adjustments as a result of the purchase price accounting for the XM Merger and the Pandora Acquisition, (ii) predecessor net income adjusted for certain expenses, including depreciation and

amortization, other income (loss), and share-based payment expense for January 2019, (iii) share-based payment expense and (iv) other significant operating expense (income) that do not relate to the on-going performance of our business. We believe adjusted EBITDA is a useful measure of the underlying trend of our operating performance, which provides useful information about our business apart from the costs associated with our capital structure and purchase price accounting. We believe investors find this Non-GAAP financial measure useful when analyzing our past operating performance with our current performance of other communications, entertainment and media companies. We believe investors use adjusted EBITDA to estimate our current enterprise value and to make investment decisions. As a result of large capital investments in our satellite radio system, our results of operations reflect significant charges for depreciation expense. We believe the exclusion of share-based payment expense is useful as it is not directly related to the operational conditions of our business. We also believe the exclusion of the legal settlements and reserves, acquisition related costs, and loss on extinguishment of debt, to the extent they occur during the period, is useful as they are significant expenses not incurred as part of our normal operations for the period.

Adjusted EBITDA has certain limitations in that it does not take into account the impact to our statements of comprehensive income of certain expenses, including share-based payment expense and certain purchase price accounting for the XM Merger and the Pandora Acquisition. We endeavor to compensate for the limitations of the Non-GAAP measure presented by also providing the comparable GAAP measure with equal or greater prominence and descriptions of the reconciling items, including quantifying such items, to derive the Non-GAAP measure. Investors that wish to compare and evaluate our operating results after giving effect for these costs, should refer to net income as disclosed in our unaudited consolidated statements of comprehensive income. Since adjusted EBITDA is a Non-GAAP financial performance measure, our calculation of adjusted EBITDA may be susceptible to varying calculations; may not be comparable to other similarly titled measures of other companies; and should not be considered in isolation, as a substitute for, or superior to measures of financial performance with GAAP. The reconciliation of net income to the adjusted EBITDA is calculated as follows:

	For	For the Three Months Ended March 31,			
(in millions)		2020	2019		
Net income:	\$	293 \$	162		
Add back items excluded from Adjusted EBITDA:					
Legal settlements and reserves		(16)	25		
Acquisition and other related costs (1)		—	76		
Share-based payment expense ⁽³⁾		55	49		
Depreciation and amortization		132	107		
Interest expense		99	90		
Loss on extinguishment of debt		—	1		
Other expense (income)		(4)	(1)		
Income tax expense		80	81		
Purchase price accounting adjustments:					
Revenues		2	2		
Operating expenses		(2)	(1)		
Pro forma adjustments (2)		—	(24)		
Adjusted EBITDA	\$	639 \$	567		

(1) Acquisition and other related costs include \$21 of share-based compensation

expense.

(2) Pro forma adjustment for three months ended March 31, 2019 includes Pandora's Net income for the three months ended March 31, 2019 of \$(44) plus Depreciation and amortization of \$6, Share-based payment expense of \$11, Acquisition and other related costs of \$1, and Interest expense of \$2, offset by Other expense (income) of \$1, plus purchase price accounting impacts of \$1.

(3) Allocation of share-based payment expense:

	Fo	For the Three Months Ended March 31,			
(in millions) Programming and content	20	20	2019		
	\$	8 \$	7		
Customer service and billing		2	1		
Transmission		1	1		
Sales and marketing		17	15		
Engineering, design and development		11	9		
General and administrative		16	16		
Total share-based payment expense	\$	55 \$	49		

Free cash flow - is derived from cash flow provided by operating activities, net of additions to property and equipment and purchases of other investments. Free cash flow is a metric that our management and board of directors use to evaluate the cash generated by our operations, net of capital expenditures and other investment activity. In a capital intensive business, with significant investments in satellites, we look at our operating cash flow, net of these investing cash outflows, to determine cash available for future subscriber acquisition and capital expenditures, to repurchase or retire debt, to acquire other companies and to evaluate our ability to return capital to stockholders. We exclude from free cash flow certain items that do not relate to the on-going performance of our business, such as cash flows related to acquisitions, strategic and short-term investments, and net loan activity with related parties and other equity investees. We believe free cash flow is an indicator of the long-term financial stability of our business. Free cash flow, which is reconciled to "Net cash provided by operating activities," is a Non-GAAP financial measure. This measure can be calculated by deducting amounts under the captions "Additions to property and equipment" and deducting or adding Restricted and other investment activity from "Net cash provided by operating activities" from the unaudited consolidated statements of cash flows. Free cash flow should be used in conjunction with other GAAP financial performance measures and may not be comparable to free cash flow measures presented by other companies. Free cash flow should be viewed as a supplemental measure rather than an alternative measure of cash flows from operating activities, as determined in accordance with GAAP. Free cash flow is limited and does not represent remaining cash flows available for discretionary expenditures due to the fact that the measure does not deduct the payments required for debt maturities. We believe free cash flow provides useful supplemental information to investors regarding our current cash flow, along with other GAAP measures (such as cash flows from operating and investing activities), to determine our financial condition, and to compare our operating performance to other communications, entertainment and media companies. Free cash flow is calculated as follows:

	For the Three Months Ended March 31,			
(in millions)	2020		2019	
Cash Flow information				
Net cash provided by operating activities	\$	416 \$	396	
Net cash (used in) provided by investing activities	\$	(145) \$	284	
Net cash used in financing activities	\$	(339) \$	(672)	
Free Cash Flow				
Net cash provided by operating activities	\$	416 \$	396	
Additions to property and equipment		(62)	(90)	
Purchases of other investments		(6)	(6)	
Free cash flow	\$	348 \$	300	

ARPU - Sirius XM ARPU is derived from total earned subscriber revenue (excluding revenue associated with our connected vehicle services) and advertising revenue, divided by the number of months in the period, divided by the daily weighted average number of subscribers for the period. Pandora ARPU is defined as average monthly subscriber revenue per paid subscriber on our Pandora subscription services.

<u>Subscriber acquisition cost, per installation -</u> or SAC, per installation, is derived from subscriber acquisition costs and margins from the sale of radios and accessories (excluding connected vehicle services), divided by the number of satellite radio installations in new vehicles and shipments of aftermarket radios for the period. SAC, per installation, is calculated as follows:

	For	For the Three Months Ended March 31,			
(costs in millions and installs in thousands)	2	2020		2019	
Subscriber acquisition costs, excluding connected vehicle services	\$	99	\$	108	
Less: margin from sales of radios and accessories, excluding connected vehicle services		(37)		(34)	
	\$	62	\$	74	
Installations		3,083		3,077	
SAC, per installation	\$	20.11	\$	24.05	

Ad supported listener hours - is based on the total bytes served over our Pandora advertising supported platforms for each track that is requested and served from our Pandora servers, as measured by our internal analytics systems, whether or not a listener listens to the entire track. For non-music content such as podcasts, episodes are divided into approximately track-length parts, which are treated as tracks. To the extent that third-party measurements of advertising hours are not calculated using a similar server-based approach, the third-party measurements may differ from our measurements.

<u>RPM</u> - is calculated by dividing advertising revenue, excluding AdsWizz and other off-platform revenue, by the number of thousands of listener hours on our Pandora advertising-based service.

LPM - is calculated by dividing advertising licensing costs by the number of thousands of listener hours on our Pandora advertising-based service.

LPU - is calculated by dividing subscriber licensing costs by the number of paid subscribers on our Pandora subscription services.

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About SiriusXM

Sirius XM Holdings Inc. (NASDAQ: SIRI) is the leading audio entertainment company in the U.S., and the premier programmer and platform for subscription and digital advertising-supported audio products. Pandora, a subsidiary of SiriusXM, is the largest ad-supported audio entertainment streaming service in the U.S. SiriusXM and Pandora together reach more than 100 million people each month with their audio products. SiriusXM, through Sirius XM Canada Holdings, Inc., also offers satellite radio and audio entertainment in Canada. In addition to its audio entertainment businesses, SiriusXM offers connected vehicle services to automakers and directly to consumers through aftermarket devices. For more about SiriusXM, please go to: www.siriusxm.com.

FORWARD-LOOKING STATEMENTS

This communication contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Such statements include, but are not limited to, statements about future financial and operating results, our plans, objectives, expectations and intentions with respect to future operations, products and services; and other statements identified by words such as "will likely result," "are expected to," "will continue," "is anticipated," "believe," "intend," "plan," "projection," "outlook" or words of similar meaning. Such forward-looking statements are based upon the current beliefs and expectations of our management and are inherently subject to significant business, economic and competitive uncertainties and contingencies, many of which are difficult to predict and generally beyond our control. Actual results and the timing of events may differ materially from the results anticipated in these forward-looking statements.

The following factors, among others, could cause actual results and the timing of events to differ materially from the anticipated results or other expectations expressed in the forwardlooking statements: the current coronavirus (COVID-19) pandemic is adversely impacting our business; our substantial competition that is likely to increase over time; our efforts to attract and retain subscribers and listeners, or convert listeners into subscribers, which may not be successful, and may adversely affect our business; our Pandora ad-supported business has suffered a loss of monthly active users, which may adversely affect our Pandora business; privacy and data security laws and regulations may hinder our ability to market our services, sell advertising and impose legal liabilities; we engage in extensive marketing efforts and the continued effectiveness of those efforts are an important part of our business; consumer protection laws and our failure to comply with them could damage our business; a substantial number of our Sirius XM subscribers periodically cancel their subscriptions and we cannot predict how successful we will be at relaining customers; our ability to profitably attract and retain subscribers to our Sirius XM service as our marketing efforts reach more price-sensitive consumers is uncertain; our failure to convince advertisers of the benefits of our Pandora ad-supported service could harm our business; if we are unable to maintain revenue growth from our advertising products, particularly in mobile advertising, our results of operations will be adversely affected; if we fail to accurately predict and play music, comedy or other content that our Pandora listeners enjoy, we may fail to retain existing and attract new listeners; if we fail to protect the security of personal information about our customers, we could be subject to costly government enforcement actions and private litigation and our reputation could suffer; interruption or failure of our information technology and communications systems could impair the delivery of our service and harm our business; we rely on third parties for the operation of our business, and the failure of third parties to perform could adversely affect our business; our business depends in part upon the auto industry; our Pandora business depends in part upon consumer electronics manufacturers; the market for music rights is changing and is subject to significant uncertainties; our ability to offer interactive features in our Pandora services depends upon maintaining licenses with copyright owners; the rates we must pay for "mechanical rights" to use musical works on our Pandora service have increased substantially and these new rates may adversely affect our business; failure of our satellites would significantly damage our business; our Sirius XM service may experience harmful interference from wireless operations; failure to comply with FCC requirements could damage our business; economic conditions, including advertising budgets and discretionary spending, may adversely affect our business and operating results; if we are unable to attract and retain qualified personnel, our business could be harmed; we may not realize the benefits of acquisitions or other strategic investments and initiatives, including the acquisition of Pandora; our use of pre-1972 sound recordings on our Pandora service could result in additional costs; we may from time to time modify our business plan, and these changes could adversely affect us and our financial condition; we have a significant amount of indebtedness, and our debt contains certain covenants that restrict our operations; our facilities could be damaged by natural catastrophes or terrorist activities; the unfavorable outcome of pending or future litigation could have an adverse impact on our operations and financial condition; failure to protect our intellectual property or actions by third parties to enforce their intellectual property rights could substantially harm our business and operating results; some of our services and technologies may use "open source" software, which may restrict how we use or distribute our services or require that we release the source code subject to those licenses; rapid technological and industry changes and new entrants could adversely impact our services; existing or future laws and regulations could harm our business; we may be exposed to liabilities that other entertainment service providers would not customarily be subject to; our business and prospects depend on the strength of our brands; we are a "controlled company" within the meaning of the NASDAQ listing rules and, as a result, qualify for, and rely on, exemptions from certain corporate governance requirements; while we currently pay a quarterly cash dividend to holders of our common stock, we may change our dividend policy at any time; and our principal stockholder has significant influence, including over actions requiring stockholder approval, and its interests may differ from the interests of other holders of our common stock. Additional factors that could cause our results to differ materially from those described in the forwardlooking statements can be found in our Annual Report on Form 10-K for the year ended December 31, 2019 and Quarterly Report on Form 10-Q for the quarter ended March 31, 2020, which are filed with the Securities and Exchange Commission (the "SEC") and available at the SEC's Internet site (http://www.sec.gov). The information set forth herein speaks only as of the date hereof, and we disclaim any intention or obligation to update any forward looking statements as a result of developments occurring after the date of this communication.

Source: SiriusXM

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