

SiriusXM Reports Fourth Quarter and Full-Year 2019 Results

- Self-Pay Net Subscriber Additions of One Million-Plus for 10th Consecutive Year
- 2019 Revenue Increased to \$7.8 Billion; Pro Forma Revenue Increased 8% to \$7.9 Billion
- Full-Year Net Income of \$914 Million; Diluted EPS of \$0.20
- Adjusted EBITDA Hits Record \$2.4 Billion, up 14%
- Capital Returns in 2019 Totaled \$2.4 Billion
- SiriusXM Confirms 2020 Guidance

NEW YORK, Feb. 4, 2020 /PRNewswire/ --SiriusXM today announced fourth quarter and full-year 2019 operating and financial results, including revenue of \$2.1 billion and \$7.8 billion, respectively, increasing 38% and 35% compared to the prior year periods. Revenue was boosted by the acquisition of Pandora Media on February 1, 2019. The Company's net income declined 3% to \$243 million in the fourth quarter, while full-year net income totaled \$914 million, down from \$1.2 billion in 2018 due to higher acquisition, refinancing, and depreciation and amortization expenses in 2019. Net income per diluted common share was \$0.05 in the fourth quarter, compared to \$0.06 in the prior year period, while full-year 2019 net income per diluted share declined to \$0.20 from \$0.26 in 2018."



On a pro forma basis, fourth quarter revenue grew 6% from \$1.9 billion and full-year revenue climbed 8% from \$7.3 billion in the prior year periods. Adjusted EBITDA in the fourth quarter totaled \$587 million, down from \$593 million in the prior year period. For the full-year, adjusted EBITDA grew 14% to \$2.4 billion, resulting in an adjusted EBITDA margin of 30.6%, an improvement of approximately 160 basis points from 2018. The improvement in adjusted EBITDA margin was driven primarily by revenue growth across the business and cost efficiencies in subscriber acquisition costs and revenue share and royalties. Pro forma figures assume the Pandora acquisition closed on January 1, 2018.

"I am so proud of SiriusXM's milestone performance last year. Not only did we achieve our 10th consecutive year of one million-plus self-pay net additions, but we successfully

completed the acquisition of Pandora Media and drove each business to record-high financial performance. Looking forward to 2020, we're excited about a new decade of opportunity before us and confident in reiterating our guidance for the year," said Jim Meyer, Chief Executive Officer, SiriusXM.

"In programming, our lifeblood, we continue to work with an increasing array of megastars and brands that have real value for SiriusXM subscribers and Pandora listeners. In the lead-up to the Super Bowl, The Chainsmokers and Lizzo played separate exclusive concerts on back-to-back nights in Miami Beach as part of our new Opening Drive Super Concert Series. Coldplay did a special stripped-down set at our new Hollywood studios for subscribers, and we announced the launch of a new SiriusXM channel and exclusive Pandora content from superstars U2, called U2X Radio, which will debut this year," added Meyer.

FULL-YEAR 2019 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 Annual Report on Form 10-K for the year ended December 31, 2019. The pro forma financial and operating highlights of these two segments are presented separately below and exclude the impact of share-based payment expense.

SIRIUSXM

- Self-Pay Subscribers Near 30.0 Million. SiriusXM added approximately 1.1 million net new self-pay subscribers for the full-year to end 2019 with nearly 30.0 million self-pay subscribers. Total net subscriber additions were 870,000, resulting in more than 34.9 million total SiriusXM subscribers at the end of the period. Paid promotional subscribers decreased due to declines in shipments from automakers offering paid promotional subscriptions. The total trial funnel stood at approximately 9.3 million at the end of 2019, up from approximately 9.1 million at the end of 2018. Self-pay monthly churn for 2019 was 1.7%, approximately flat from 2018.
- **SiriusXM Revenue of \$6.2 Billion**. Full-year 2019 revenue grew 7% to a record \$6.2 billion. This growth was driven by a 3% increase in total SiriusXM subscribers and 4% growth in SiriusXM's average revenue per user (ARPU) to \$13.82.
- Gross Profit Grows 7%. Total cost of services at SiriusXM increased 8% to \$2.4 billion for the full-year, driven primarily by higher revenue share and royalties and programming and content expenses. Gross profit at SiriusXM in 2019 totaled \$3.8 billion, increasing 7% over 2018, and produced a gross margin of 62%, flat compared to the prior year.
- New Programming, New Technology. SiriusXM recently announced the launch of our collaboration with UNINTERRUPTED, the athlete-empowered brand founded by LeBron James and Maverick Carter, for exclusive athlete playlists that debuted on Pandora. Andy Cohen signed multi-year extension for his news-making Radio Andy channel, and Phish performed an exclusive concert in Philadelphia on its full-time SiriusXM channel. At the 2020 Consumer Electronics Show, SiriusXM demonstrated an e-commerce suite for drivers with VISA, introduced a new aftermarket radio with 360L features, and earlier made SiriusXM available for the first time on Google home smart speakers and devices.

- Advertising Revenue Hits Record \$1.2 Billion. Full-year ad revenue at Pandora reached a record \$1.2 billion, growing 10% over 2018. Ad revenue was driven by strong monetization of \$80 per thousand hours, growing 12% 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. Total revenue for Pandora grew 10% to \$1.7 billion for the year, aided in part by a 10% increase in subscriber revenue to \$527 million.
- Total Ad Supported Listener Hours of 13.4 Billion. Monthly Active Users (MAUs) at Pandora were 63.5 million at the end of 2019, down from 69.4 million in the prior year. Total ad supported listener hours were 13.4 billion in 2019, down from 14.8 billion in 2018.
- Self-Pay Net Adds of 251,000. Pandora added 251,000 net new self-pay subscribers to its Pandora Plus and Pandora Premium service in 2019 to end the year with nearly 6.2 million self-pay subscribers. Paid promotional subscribers declined to 49 thousand, from 756 thousand in 2018, 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. This brought total Pandora subscribers at year-end to 6.2 million.
- Gross Profit Grows 28%. Total cost of services at Pandora in 2019 of \$1.1 billion increased 2% compared with 2018. This resulted in gross profit at Pandora of \$624 million, up 28% over 2018, and produced a gross margin for the year of 36%, growing approximately 500 basis points from 31% in the prior year. This expansion was driven primarily by lower revenue share and royalties and customer service and billing expenses as a percentage of revenue.

"SiriusXM returned nearly \$2.4 billion of capital to stockholders in 2019. We repurchased more than 364 million shares last year and paid approximately \$226 million in dividends to stockholders. At year-end, our debt to adjusted EBITDA ratio was 3.2 times and we had the entire \$1.75 billion available on our revolving credit facility. This gives us ample liquidity to continue investing in our business while returning capital to stockholders," noted David Frear, Chief Financial Officer, SiriusXM.

2020 GUIDANCE

The Company's full-year 2020 guidance for self-pay net subscriber additions, revenue, adjusted EBITDA and free cash flow, as issued on January 7, 2020, is reiterated as follows:

- SiriusXM self-pay net subscriber additions over 900,000,
- Total revenue of approximately \$8.1 billion,
- Adjusted EBITDA approximately \$2.5 billion, and
- Free cash flow of approaching \$1.7 billion.

CAPITAL RETURN PROGRAM

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.

FOURTH QUARTER AND FULL-YEAR 2019 RESULTS

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

	F	or the Three Decer	Montl nber 3		Fo	ths Ended 31,		
(in millions, except per share data)		2019		2018		2019		2018
	(Unaudited)	(L	Inaudited)				
Revenue:								
Subscriber revenue	\$	1,569	\$	1,361	\$	6,120	\$	5,264
Advertising revenue		403		53		1,336		188
Equipment revenue		46		42		173		155
Other revenue		44		40	. <u> </u>	165		164
Total revenue		2,062		1,496		7,794		5,771
Operating expenses:								
Cost of services:								
Revenue share and royalties		607		337		2,291		1,394
Programming and content		124		103		462		406
Customer service and billing		123		98		475		382
Transmission		53		26		170		96
Cost of equipment		9		9		29		31
Subscriber acquisition costs		114		118		427		470
Sales and marketing		289		140		937		484
Engineering, design and development		74		34		280		123
General and administrative		145		90		524		354
Depreciation and amortization		124		79		468		301
Acquisition and other related costs		1		3		84		3
Total operating expenses		1,663		1,037	. <u> </u>	6,147		4,044
Income from operations		399		459		1,647		1,727
Other (expense) income:								
Interest expense		(99)		(87)		(390)		(350)
Loss on extinguishment of debt		_		_		(57)		_
Other (expense) income		(1)		(38)		(3)		44
Total other (expense) income		(100)		(125)		(450)		(306)
Income before income taxes		299		334		1,197		1,421
Income tax expense		(56)		(83)		(283)		(245)
Net income	\$	243	\$	251	\$	914	\$	1,176
Foreign currency translation adjustment, net of tax		5		(19)		14		(29)
Total comprehensive income	\$	248	\$	232	\$	928	\$	1,147
Net income per common share:								
Basic	\$	0.05	\$	0.06	\$	0.20	\$	0.26
Diluted	\$	0.05	\$	0.06	\$	0.20	\$	0.26
Weighted average common shares outstanding:		0.00	<u> </u>	0.00		0.20	. <u> </u>	<u> </u>
Basic		4,419		4,401		4,501		4,462
Diluted		4,541		4,478		4,616		4,561
Dividends declared per common share	\$	0.01331	\$	0.01210	\$	0.04961	\$	0.04510

SIRIUS XM HOLDINGS INC. AND SUBSIDIARIES CONSOLIDATED BALANCE SHEETS

As of December 31, 2019 2018

Cash and cash equivalents \$ 106 \$ 54 Receivables, net 670 233 Inventory, net 11 22 Related party current assets 22 11 Prepaid expenses and other current assets 194 158
Inventory, net 11 22 Related party current assets 22 11 Prepaid expenses and other current assets 194 158
Related party current assets 22 11 Prepaid expenses and other current assets 194 158
Prepaid expenses and other current assets194158
' ' <u></u>
Total current assets 1,003 478
Property and equipment, net 1,626 1,513
Intangible assets, net 3,467 2,501
Goodwill 3,843 2,290
Related party long-term assets 452 960
Deferred tax assets 153 293
Operating lease right-of-use assets 466 —
Other long-term assets 139 138
Total assets \$\frac{11,149}{\\$8,173}
LIABILITIES AND STOCKHOLDERS' EQUITY (DEFICIT)
Current liabilities:
Accounts payable and accrued expenses \$ 1,151 \$ 736
Accrued interest 160 128
Current portion of deferred revenue 1,930 1,932
Current maturities of debt 2 3
Operating lease current liabilities 46 —
Related party current liabilities 4 4
Total current liabilities 3,293 2,803
Long-term deferred revenue 130 149
Long-term debt 7,842 6,885
Related party long-term liabilities — 4
Deferred tax liabilities 70 47
Operating lease liabilities 456 —
Other long-term liabilities 94 102
Total liabilities 11,885 9,990
Stockholders' equity (deficit):
Common stock, par value \$0.001 per share; 9,000 shares authorized; 4,412 and 4,346 shares
issued; 4,412 and 4,346 outstanding at December 31, 2019 and December 31, 2018, respectively 4
Accumulated other comprehensive income (loss), net of tax 8 (6)
Additional paid-in capital 395 242
Treasury stock, at cost; 0 and 0 shares of common stock at December 31, 2019 and December 31,
2018, respectively — — —
Accumulated deficit (1,143) (2,057)
Total stockholders' equity (deficit) (736) (1,817)
Total liabilities and stockholders' equity (deficit) \$ 11,149 \$ 8,173

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

For the Twelve Months Ended December 31,

	J 1,		
(in millions)		2019	2018
Cash flows from operating activities:			
Net income	\$	914	\$ 1,176
Adjustments to reconcile net income to net cash provided by operating activities	es:		
Depreciation and amortization		468	301
		17	9
Non-cash interest expense, net of amortization of premium			
Provision for doubtful accounts		53	51
Amortization of deferred income related to equity method investment		(3)	(3)
Loss on extinguishment of debt		57	_
Loss (gain) on unconsolidated entity investments, net		21	10
Gain on fair value instrument		_	(43)
Dividend received from unconsolidated entity investment		2	2
Share-based payment expense		250	133
Deferred income taxes		259	257
Changes in operating assets and liabilities:			
Receivables		(137)	(42)
Inventory		11	(2)
Related party, net		(10)	`1 [´]
Prepaid expenses and other current assets		(3)	(20)

Other long-term assets	4	10
Operating lease right-of-use assets	(14)	_
Accounts payable and accrued expenses	109	(20)
Accrued interest	32	(9)
Deferred revenue	(58)	70
Operating lease liabilities	36	_
Other long-term liabilities	9	(1)
Net cash provided by operating activities	2,017	1,880
Cash flows from investing activities:	, -	,
Additions to property and equipment		
and the second s	(363)	(355)
Purchases of other investments	(7)	(8)
Acquisition of business, net of cash acquired	313	(2)
Sale of short-term investments	73	
Investments in related parties and other equity investees	(19)	(17)
Repayment from (loan to) related party		` 3
Net cash used in investing activities	(3)	(379)
Cash flows from financing activities:	(-)	(= =)
Proceeds from exercise of stock options	8	_
Taxes paid from net share settlements for stock-based compensation	(150)	(120)
Revolving credit facility, net of deferred financing costs	(439)	`136
Proceeds from long-term borrowings, net of costs	2,715	_
Proceeds from sale of capped call security	3	_
Principal payments of long-term borrowings	(1,666)	(16)
Payment of premiums on redemption of debt	(45)	<u>'</u>
Common stock repurchased and retired	(2,159)	(1,314)
Dividends paid	(226)	(201)
Net cash used in financing activities	(1,959)	(1,515)
Net increase (decrease) in cash, cash equivalents and restricted cash	55	(14)
That managed (accordance) in cash, cash equivalente and recall saction	65	79
Cash, cash equivalents and restricted cash at beginning of period		. 5
Cash, cash equivalents and restricted cash at end of period ⁽¹⁾	\$ 120	\$ 65
,		

⁽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)	mber 31, 2019	nber 31, 018	Decemb	er 31, 2017
Cash and cash equivalents	\$ 106	\$ 54	\$	69
Restricted cash included in Other long-term assets	14	11		10
Total cash, cash equivalents and restricted cash at end of period	\$ 120	\$ 65	\$	79

Unaudited Pro Forma Results

Set forth below are our pro forma results of operations for the three and twelve months ended December 31, 2019 compared with the three and twelve months ended December 31, 2018. 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, 2018 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.

						2019 vs	2018 Change	
	For the Thr	ee Months	For the Twe	lve Months				
	Ended Ded	ember 31,	Ended De	cember 31,	Three M	lonths	Twelve N	/lonths
(in millions)	2019	2018	2019	2018	Amount	%	Amount	%
Revenue	(Pro Forma)	(Pro Forma)	(Pro Forma)	(Pro Forma)			· <u></u>	

Sirius XM:

Subscriber																		
revenue	\$	1,448	\$	1,361	\$	5,644	\$	5,264	:	\$ 87	6	3	%	\$	380		7	%
Advertising revenue		56		53		205		188		3	6	6	%		17		9	%
Equipment revenue Other		46		42		173		155		4	10)	%		18		12	%
revenue		46		42		172		171		4	10)	%		1		1	%
Total Sirius XM revenue		1 506		1 400		6,194		E 770	_	98	_	7	%		416	_	7	%
Pandora:		1,596		1,498		0,194		5,778		90	,		70		410		,	70
Subscriber revenue		126		133		527		478		(7)	(5)	%		49		10	%
Advertising revenue		348		314		1,200		1,092		34	11	1	%		108		10	%
Total		•	-			·		•			_					_		
Pandora revenue		474		447		1,727		1,570		27	6	3	%		157		10	%
Total				771		1,727		1,070			- `	,	70		107	_	10	/ι
consolidated		0.070		4.045		7.004		7.040		405	,		٠,		570		0	0/
revenue Cost of services		2,070		1,945		7,921		7,348		125	(6	%		573		8	%
Sirius XM:																		
Revenue																		
share and royalties		366		337		1,431		1,394		29	(9	%		37		3	%
Programming		300		337		1,401		1,004		20	,	,	70		31		J	/(
and content		116		103		444		406		13	13	3	%		38		9	%
Customer service and																		
billing		102		98		398		382		4	2	1	%		16		4	%
Transmission		33		26		112		96		7	27		%		16		17	%
Cost of																		
equipment Total Sirius		9		9		29		31				- '	%		(2)	_	(6)	%
XM cost of																		
services		626		573		2,414		2,309		53	9	9	%		105		5	%
Pandora:																		
Revenue share and																		
royalties		244		235		945		929		9	4	1	%		16		2	%
Programming																		
and content		8		4		18		11		4	100)	%		7		64	%
Customer service and																		
billing		21		26		85		95		(5)	(19)) '	%		(10)		(11)	%
Transmission		20		12	_	63		50		`8 [′]	_ `67	7	%		`13		` 26	%
Total																		
Pandora cost of																		
services		293		277		1,111		1,085		16	6	3	%		26		2	%
Total			-								_					_		
consolidated		040		050		2.525		2.204		00			n/		404		4	0/
cost of services Subscriber		919		850		3,525		3,394		69	•	3	%		131		4	%
acquisition costs		114		118		427		470		(4)	(3)	%		(43)		(9)	%
Sales and		000		0.45		070		000		4.4	4,		٠,		00		40	0/
marketing Engineering,		289		245		973		883		44	18	3	%		90		10	%
design and																		
development		74		71		294		266		3	4	1	%		28		11	%
General and		445		100		E40		E47		10	40		n/		22		4	0/
administrative Depreciation		145		129		540		517		16	12	2	/0		23		4	%
and amortization	_	124		120		483	_	465	_	4	_ 3	3	%	_	18		4	%
Total operating		1.005		4.500		0.045		F 00=		400	_				0.1=			
expenses Income from		1,665		1,533		6,242		5,995		132	- {)	%		247	_	4	%
operations		405		412		1,679		1,353		(7)	(2)	%		326		24	%
•										` '	,-							

Other (expense) income: Interest expense																
		(99)		(93)		(392)		(377)		(6)	(6)	%		(15)	(4)	%
Loss on extinguishment						(57)		(47)						(40)	(005)	0/
of debt Other		_		_		(57)		(17)		_	nm			(40)	(235)	%
(expense)																
income		(1)		(6)		(2)		8		5	(83)	%		(10)	(125)	%
Total other																
(expense) income		(100)		(99)		(451)		(386)		(1)	(1)	%		(65)	(17)	%
Income before		(100)		(00)		(401)		(000)		(1)	_ (')	70		(00)	. (17)	/(
income taxes		305		313		1,228		967		(8)	(3)	%		261	27	%
Income tax																
expense		(58)		(77)		(290)		(123)		19	25	%		(167)	(136)	%
Net income	\$	247	\$	236	\$	938	\$	844	\$	11	_ 5	%	\$	94	11	%
Adjusted	•		•	500	•	0.407	•	0.404	•	(0)	(4)	۰,	•	000		0.1
EBITDA	\$	587	\$	593	\$	2,427	\$	2,131	\$	(6)	(1)	%	\$	296	14	%

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 and twelve months ended December 31, 2019 and 2018 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, 2018 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.

	Unaudi	ted for the Three N	Months Ended Dece	ember 31	l, 2019
		Predecessor Financial	Purchase Price Accounting		_
(in millions)	As Reported	Information	Adjustments	Ref	Pro Forma
Revenue					
Sirius XM:					
Subscriber revenue	\$ 1,448	\$ —	\$ —		\$ 1,448
Advertising revenue	56	_	_		56
Equipment revenue	46	_	_		46
Other revenue	44		2	(a)	46
Total Sirius XM revenue	1,594	_	2		1,596
Pandora:					
Subscriber revenue	121	_	5	(b)	126
Advertising revenue	347	_	1	(b)	348
Total Pandora revenue	468		6		474
Total consolidated revenue	2,062		8		2,070
Cost of services					
Sirius XM:					
Revenue share and royalties	366	_	_		366
Programming and content	116	_	_		116
Customer service and billing	102	_	_		102
Transmission	33	_	_		33
Cost of equipment	9	_	_		9
Total Sirius XM cost of services	626				626
Pandora:					
Revenue share and royalties	241	_	3	(c)	244
Programming and content	8	_	_		8
Customer service and billing	21	_	_		21
Transmission	20				20

Total Pandora cost of services	290		3	293
Total consolidated cost of services	916	_	3	919
Subscriber acquisition costs	114	_	_	114
Sales and marketing	289	_	_	289
Engineering, design and development	74	_	_	74
General and administrative	145	_	_	145
Depreciation and amortization	124	_	_	124
Acquisition and other related costs	1		(1)	
Total operating expenses	1,663	_	2	1,665
Income (loss) from operations	399		6	405
Other (expense) income:				
Interest expense	(99)	_	_	(99)
Loss on extinguishment of debt	_	_	_	_
Other (expense) income	(1)	_	_	(1)
Total other (expense) income	(100)			(100)
Income (loss) before income taxes	299	_	6	305
Income tax expense	(56)	_	(2) (d)	(58)
Net income	\$ 243	\$ —	\$ 4	\$ 247

- (a) This adjustment eliminates the impact of additional revenue associated with certain programming agreements recorded as part of the XM Merger.
- (b) This adjustment relates to the amortization of deferred subscription and advertising revenue that was fair valued in purchase accounting.
- (c) This adjustment includes the impact of additional expense associated with minimum guarantee royalty contracts recorded as part of the Pandora Acquisition.
- (d) This adjustment to income taxes was calculated by applying Sirius XM's statutory tax rate at December 31, 2019 to the proforma adjustments of \$6.

	Una	udited for the Three	e Months Ended Decemb	er 31, 2	018
		Predecessor Financial	Purchase Price Accounting and Pro		
(in millions)	As Reported	Information (e)	Forma Adjustments	Ref	Pro Forma
Revenue					
Sirius XM:					
Subscriber revenue	\$ 1,361	\$ —	\$ —		\$ 1,361
Advertising revenue	53	_	_		53
Equipment revenue	42	_	_		42
Other revenue	40	_	2	(f)	42
Total Sirius XM revenue	1,496		2		1,498
Pandora:					
Subscriber revenue	_	133	_		133
Advertising revenue	_	314	_		314
Total Pandora revenue		447			447
Total consolidated revenue	1,496	447	2		1,945
Cost of services	,,				1,010
Sirius XM:					
Revenue share and royalties	337	_	_		337
Programming and content	103	_	_		103
Customer service and billing	98	_	_		98
Transmission	26	_	_		26
Cost of equipment	9	_			9
Total Sirius XM cost of services	573				573
Pandora:					
Revenue share and royalties	_	235	_		235
Programming and content	_	4	_		4
Customer service and billing	_	26	_		26
Transmission	_	12	-		12
Total Pandora cost of services		277	_		277
Total consolidated cost of services	573	277	_		850
Subscriber acquisition costs	118	_	_		118
Sales and marketing	140	105	_		245
Engineering, design and development	34	37	-		71
General and administrative	90	48	(9)	(g)	129
Depreciation and amortization	79	16	25	(h)	120
Acquisition and other related costs	3		(3)		
Total operating expenses	1,037	483	13		1,533
Income from operations	459	(36)	(11)		412

Other (expense) income:							
Interest expense	(87)		(6)		_		(93)
Loss on extinguishment of debt	_				_		
Other (expense) income	(38)		1		31	(i)	(6)
Total other (expense) income	 (125)	<u> </u>	(5)		31		 (99)
Income before income taxes	 334	<u> </u>	(41)		20		 313
Income tax expense	(83)		1		5	(j)	(77)
Net income	\$ 251	\$	(40)	\$	25		\$ 236

- (e) Represents Pandora's results for the period October 1, 2018 through December 31, 2018.
- (f) This adjustment eliminates the impact of additional revenue associated with certain programming agreements recorded as part of the XM Merger.
- (g) This adjustment eliminates the impact of transaction related costs, recorded by Pandora, to advisers for the planned acquisition by Sirius XM.
- (h) 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.
- (i) This adjustment eliminates the unrealized loss for the fair value adjustment of our preferred stock investment in Pandora.
- (j) This adjustment to income taxes was calculated by applying Sirius XM's statutory tax rate at December 31, 2018 to the proforma adjustments of \$20 and Pandora's loss before income tax of \$(41).

	Unau	dited for the Twelve	e Months Ended Decemi	oer 31, 2	019
a		Predecessor Financial	Purchase Price Accounting and Pro		
(in millions)	As Reported	Information (k)	Forma Adjustments	Ref	Pro Forma
Revenue					
Sirius XM:	5.044				5.044
Subscriber revenue	5,644	_	_		5,644
Advertising revenue	205	_	-		205 173
Equipment revenue Other revenue	173	_	7	/I)	173
	165		7	(I)	
Total Sirius XM revenue	6,187				6,194
Pandora:	470	40	-		507
Subscriber revenue	476	46	5		527
Advertising revenue	1,131	68	1		1,200
Total Pandora revenue	1,607	114	6		1,727
Total consolidated revenue	7,794	114	13		7,921
Cost of services					
Sirius XM:	4.404				4 404
Revenue share and royalties	1,431	_	-		1,431
Programming and content	444	_	-		444
Customer service and billing	398	_	_		398
Transmission	112	_	_		112 29
Cost of equipment	29 2,414				2,414
Total Sirius XM cost of services Pandora:	2,414	_	_		2,414
Revenue share and royalties	860	71	14	(m)	945
Programming and content	18	<i>7</i> 1	14	(111)	18
Customer service and billing	77	8	<u> </u>		85
Transmission	58	5	<u> </u>		63
Total Pandora cost of services	1,013	84	14		1,111
Total consolidated cost of services	3,427	84	14		3,525
Subscriber acquisition costs	427				427
Sales and marketing	937	36	<u> </u>		973
Engineering, design and development	280	14	<u></u>		294
General and administrative	524	16	_		540
Depreciation and amortization	468	6	9	(n)	483
Acquisition and other related costs	84	1	(85)	(0)	_
Total operating expenses	6,147	157	(62)	(-)	6,242
Income (loss) from operations	1,647	(43)	75		1,679
Other (expense) income:	.,	()	. •		.,•
Interest expense	(390)	(2)	_		(392)
Loss on extinguishment of debt	(57)		_		(57)
Other (expense) income	(3)	1	_		(2)
Total other (expense) income	(450)	(1)			(451)
Income (loss) before income taxes	1,197	(44)	75		1,228
Income tax expense	(283)	` <u>'</u>	(7)	(p)	(290)
·				.,	

Net income	914	(44)	68	938

- (k) Represents Pandora's results for the period January 1, 2019 through January 31, 2019.
- (I) This adjustment eliminates the impact of additional revenue associated with certain programming agreements recorded as part of the XM Merger.
- (m) This adjustment includes the impact of additional expense associated with minimum guarantee royalty contracts recorded as part of the Pandora Acquisition.
- (n) 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.
- (o) This adjustment eliminates the impact of acquisition and other related costs.
- (p) This adjustment to income taxes was calculated by applying Sirius XM's statutory tax rate at December 31, 2019 to the proforma adjustments of \$75 and Pandora's pre-acquisition loss before income tax of \$(44).

	Unau	dited for the Twelve	e Months Ended Decemb	oer 31, 2	018
		Predecessor	Purchase Price		
		Financial	Accounting and Pro		
(in millions)	As Reported	Information (q)	Forma Adjustments	Ref	Pro Forma
Revenue					
Sirius XM:					
Subscriber revenue	5,264	_	_		5,264
Advertising revenue	188	_	-		188
Equipment revenue	155	_	_		155
Other revenue	164		7	(r)	171
Total Sirius XM revenue	5,771	_	7		5,778
Pandora:					
Subscriber revenue		478	_		478
Advertising revenue		1,092			1,092
Total Pandora revenue		1,570			1,570
Total consolidated revenue	5,771	1,570	7		7,348
Cost of services					
Sirius XM:					
Revenue share and royalties	1,394	_	_		1,394
Programming and content	406	_	_		406
Customer service and billing	382	_	_		382
Transmission	96	_	_		96
Cost of equipment	31				31
Total Sirius XM cost of services	2,309	_	_		2,309
Pandora:					
Revenue share and royalties	_	929	-		929
Programming and content	_	11	-		11
0 1 11 111	_	95	_		95
Customer service and billing		50			50
Transmission		50			50
Total Pandora cost of services		1,085			1,085
Total consolidated cost of services	2,309	1,085	_		3,394
Subscriber acquisition costs	470	_	_		470
Sales and marketing	484	399	_		883
Engineering, design and development	123	143		()	266
General and administrative	354	169	(6)	(s)	517
Depreciation and amortization	301	61	103	(t)	465
Acquisition and other related costs	3	12	(15)	(u)	
Total operating expenses	4,044	1,869	82		5,995
Income (loss) from operations	1,727	(299)	(75)		1,353
Other (expense) income:					
Interest expense	(350)	(27)	-		(377)
Loss on extinguishment of debt		(17)			(17)
Other (expense) income	44	7	(43)	(v)	8
Total other (expense) income	(306)	(37)	(43)		(386)
Income (loss) before income taxes	1,421	(336)	(118)	, .	967
Income tax expense	(245)	8	114	(w)	(123)
Net income	1,176	(328)	(4)		844

- (q) Represents Pandora's results for the period January 1, 2018 through December 31, 2018.
- (r) This adjustment eliminates the impact of additional revenue associated with certain programming agreements recorded as part of the XM Merger.
- (s) This adjustment eliminates the impact of contract termination fees.

- (t) 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.
- (u) This adjustment eliminates the impact of transaction related costs, recorded Pandora, to advisers for the planned acquisition by Sirius XM.
- (v) This adjustment eliminates the unrealized gain for the fair value adjustment of our preferred stock investment in Pandora.
- (w) This adjustment to income taxes was calculated by applying Sirius XM's statutory tax rate at December 31, 2018 to the proforma adjustments of \$(118) and Pandora's loss before income tax of \$(336).

											2019	vs 2	018 Ch	ange	
(in millions)		For the The Ended De				For the Tw Ended De				Three M	onths		7	Twelve M	onth
Sirius XM:		2019		2018		2019		2018	Δ	mount	9,	6	An	nount	
Revenue Subscriber	(P	ro Forma)	(1	Pro Forma)	(F	Pro Forma)	(F	Pro Forma)							
revenue Advertising	\$	1,448	\$	1,361	\$	5,644	\$	5,264	\$	87	6	%	\$ 3	380	7
revenue Equipment		56		53		205		188		3	6	%		17	Ę
revenue Other		46		42		173		155		4	10	%		18	12
revenue Total Sirius		46		42		172		171		4	10	%		1	1
XM revenue Cost of services Revenue share and		1,596		1,498		6,194		5,778		98	7	%	2	116	7
royalties ^(a) Programming and content		366		337		1,431		1,325		29	9	%		106	8
(b) Customer service and		109		96		415		378		13	14	%		37	10
billing ^(b) Transmission		101		97		394		378		4	4	%		16	4
(b) Cost of		33		24		108		91		9	38	%		17	19
equipment Total Sirius XM cost of		9		9		29		31			_	%		(2)	(6)
services		618		563		2,377		2,203		55	10	%		174	3
Gross Profit Gross Margin	\$	978	\$	935	\$	3,817	\$	3,575	\$	43	5	%		242	7
%		61 %		62 %		62 %		62 %		(1) %	(2)	%		— %	_

- (a) For the year ended December 31, 2018 revenue share and royalties excludes \$69 related to the legal settlement that resolved all outstanding claims, including ongoing audits, under Sirius XM's statutory license for sound recordings for the period January 1, 2007 through December 31, 2017.
- (b) For the three months ended December 31, 2019, we have excluded share-based compensation expense of \$7 related to programming and content and \$1 related to customer service and billing. For the three months ended December 31, 2018, we have excluded share-based compensation expense of \$7 related to programming and content, \$1 related to customer service and billing and \$2 related to transmission. For the year ended December 31, 2019, we have excluded share-based compensation expense of \$29 related to programming and content, \$4 related to customer service and billing and \$4 related to transmission. For the year ended December 31, 2018, we have excluded share-based compensation expense of \$28 related to programming and content, \$4 related to customer service and billing and \$5 related to transmission.

						2013 45 2	2010 Change	
(in millions)	For the Thr Ended Dec		For the Twe Ended De	elve Months cember 31,	Three Mo	onths	Twelve Mo	onths
Pandora:	2019	2018	2019	2018	Amount	%	Amount	%
	(Pro	(Pro	(Pro	(Pro				
Revenue	Forma)	Forma)	Forma)	Forma)				

2010 vs 2018 Change

Subscriber revenue	\$ 126		\$ 133		\$	527		\$	478		\$ (7)		(5)	%	\$ 49		10	%
Advertising revenue	348		314			,200			1,092		 34		11	%	\$ 108		10	%
Total Pandora revenue Cost of services	474		447		1	,727		1	1,570		27		6	%	157		10	%
Revenue share and royalties Programming and content	244		235			945			929		9		4	%	16		2	%
(c) Customer service and	6		4			16			11		2		50	%	5		45	%
billing ^(c) Transmission	21		25			85			94		(4)		(16)	%	(9)		(10)	%
(c) Total Pandora cost of	 16		 11			57			47		5		45	%	 10		21	%
services	287		275		1	,103		-	1,081		12		4	%	22		2	%
Gross Profit	\$ 187		\$ 172		\$	624		\$	489		\$ 15		9	%	\$ 135		28	%
Gross Margin																	-	
%	39	%	38	%		36	%		31	%	1	%	3	%	5	%	16	%

⁽c) For the three months ended December 31, 2019, we have excluded share-based compensation expense of \$2 related to programming and content and \$4 related to transmission. For the three months ended December 31, 2018, we have excluded share-based compensation expense of \$1 related to customer service and billing and \$1 related to transmission. For the year ended December 31, 2019, we have excluded share-based compensation expense of \$2 related to programming and content and \$6 related to transmission. For the year ended December 31, 2018, we have excluded share-based compensation expense of \$1 related to customer service and billing and \$3 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 December 31, 2019 compared to December 31, 2018:

	As of D	ecember 31,	2019 vs 20	18 Char	nge
(subscribers in thousands)	2019	2018 ⁽¹⁾	Amount	%	
Sirius XM					
Self-pay subscribers	29,978	28,915	1,063	4	%
Paid promotional subscribers	4,931	5,124	(193)	(4)	%
Ending subscribers	34,909	34,039	870	3	%
Traffic users	9,334	8,606	728	8	%
Sirius XM Canada subscribers	2,707	2,644	63	2	%
Pandora					
Monthly active users - all services	63,508	69,399	(5,891)	(8)	%
Self-pay subscribers	6,165	5,914	251	4	%
Paid promotional subscribers	49	756	(707)	(94)	%
Ending subscribers	6,214	6,670	(456)	(7)	%

(1) Includes Pandora's results as of December 31, 2018.

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 and twelve

months ended December 31, 2019 and 2018:

															F	or the 2	019	vs 20	18 Change
					lonths per 31,						Months ber 31,			Thr	ee Mo	onths			Twelve M
(subscribers																			
in		2040			2040			2040			2040			A	.4	0/			A 4
thousands)		2019			2018			2019			2018			Amour	<u>t</u>	<u></u> %			Amount
Sirius XM																			
Self-pay subscribers Paid		341			414			1,063			1,402			(73)		(18)	%		(339)
promotional																			
subscribers		14			(68)			(193)			(99)			82		(121)	%		(94)
Net additions		355			346			870			1,303			9		3	%		(433)
Weighted average																			
number of subscribers		24 700			22 700			24 244			22 245			909		2	%		969
Average self-pay		34,708			33,799			34,314			33,345			909		3	70		909
monthly																			
churn		1.7	%		1.8	%		1.7	%		1.7	%		(0.1)	%	(6)	%		— %
ARPU ⁽¹⁾	\$	14.03		\$	13.64		\$	13.82		\$	13.34		\$	0.39		3	%	\$	0.48
SAC, per																			
installation	\$	23.74		\$	23.37		\$	22.91		\$	25.66		\$	0.37		2	%	\$	(2.75)
Pandora Self-pay																			
subscribers Paid		(92)			(82)			251			436			(10)		12	%		(185)
promotional																			
subscribers		4			(3)			(707)			756			7		(233)	%		(1,463)
Net additions		(88)			(85)			(456)			1,192			(3)		4	%		(1,648)
Weighted average number of																			
subscribers		6,280			6,725			6,654			6,080			(445)		(7)	%		574
ARPU	\$	6.76		\$	6.61		\$	6.61		\$	6.53		\$	0.15		2	%	\$	0.08
Ad	*	00		Ψ.	0.0.		Ψ.	0.0.		•	0.00		•	00		_	, 0	*	0.00
supported listener																			
hours (in		0.04			0.40			40.44			44.70			(0.00)		(0)	0/		(4.05)
billions) Advertising		3.21			3.49			13.44			14.79			(0.28)		(8)	%		(1.35)
revenue per																			
thousand																			
listener																			
hours (RPM)	\$	94.55		\$	86.06		\$	80.41		\$	71.60		\$	8.49		10	%	\$	8.81
Licensing																			
costs per																			
thousand																			
listener	Φ	40.00		Φ	40.40		\$	38.94		\$	27.00		\$	1.80		4	0/	\$	4.44
hours (LPM) Licensing	Ф	42.20		\$	40.40		Ф	30.94		Ф	37.80		Ф	1.00		4	%	Ф	1.14
costs per																			
paid																			
subscriber																			
(LPU)	\$	4.04		\$	4.03		\$	4.06		\$	4.47		\$	0.01			%	\$	(0.41)
(110)	Ψ	7.04		Ψ	7.00		Ψ	7.00		Ψ	7.7/		Ψ	0.01			70	Ψ	(0.71)
Total																			
Company																			
Adjusted																			
EBITDA	\$	587		\$	593		\$	2,427		\$	2,131		\$	(6)		(1)	%	\$	296
Free cash								-			-			` '		` '			
flow (2)	\$	408		\$	416		\$	1,647		\$	1,517		\$	(8)		(2)	%	\$	130
-				-			-	,		_	,		~	(-)		(-)	. •	_	

nm - not meaningful

⁽¹⁾ ARPU for Sirius XM excludes subscriber revenue from our connected vehicle services of \$43 and \$30 for the three months and \$159 and \$111 for the twelve months ended December 31, 2019 and 2018, respectively.

(2) 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.

<u>Average self-pay monthly churn</u> - 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 and the twelve months ended December 31, 2018, (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 and comparing our operating performance to the 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

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 prepared in accordance with GAAP. The reconciliation of net income to the adjusted EBITDA is calculated as follows:

	For th	e Three M Decemb	 	For	the Twelve Decem	
(in millions)	20	19	2018		2019	2018
Net income:	\$ 2	243	\$ 251	\$	914	\$ 1,176
Add back items excluded from Adjusted EBITDA:						
Legal settlements and reserves		_			25	69
Acquisition and other related costs (1)		1	3		84	3
Share-based payment expense (3)		58	33		229	133
Depreciation and amortization	1	124	79		468	301
Interest expense		99	87		390	350
Loss on extinguishment of debt		_	_		57	_
Other expense (income)		1	38		3	(44)
Income tax expense		56	83		283	245
Purchase price accounting adjustments:						
Revenues		8	2		13	7
Operating expenses		(3)	_		(14)	_
Pro forma adjustments (2)		_	17		(25)	(109)
Adjusted EBITDA	\$ 5	587	\$ 593	\$	2,427	\$ 2,131

- (1) Acquisition and other related costs include \$21 of share-based compensation expense.
- (2) Pro forma adjustment for three months ended December 31, 2018 includes Pandora's Net income for the three months ended December 31, 2018 of \$(40) plus Depreciation and amortization of \$16, Share-based payment expense of \$28, and Interest expense of \$6, contract termination fees \$6, transaction related costs recorded by Pandora related to the acquisition by Sirius XM \$3, offset by Other expense (income) of \$1 and Income tax benefit of \$1. Pro forma adjustment for the year ended December 31, 2019 includes Pandora's January 2019 Net income 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. Pro forma adjustment for year ended December 31, 2018 includes Pandora's Net income for the year ended December 31, 2018 of \$(328) plus Depreciation and amortization of \$61, Share-based payment expense of \$111, Loss on extinguishment of debt of \$17, and Interest expense of \$27, transaction related costs recorded by Pandora related to the acquisition by Sirius XM \$12, contract termination fees \$6, offset by Other expense (income) of \$7 and Income tax benefit of \$8.
- (3) Allocation of share-based payment expense:

	For the	Three Mon	ths Ended D 31,	ecember	For the	e Twelve Mor	nths Ended 31,	December
(in millions)	2	019	2	018		2019	2	2018
Programming and content	\$	8	\$	7	\$	30	\$	28
Customer service and billing		1		1		4		4
Transmission		5		1		10		5
Sales and marketing		21		7		78		25
Engineering, design and								
development		12		4		49		17
General and administrative		11		13		58		54
Total share-based payment expense	\$	58	\$	33	\$	229	\$	133

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 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:

	Fo	r the Thre Dece	e Montl mber 3		Fo		ve Mon ember :	iths Ended 31,
(in millions)		2019		2018		2019		2018
Cash Flow information								
Net cash provided by operating activities	\$	532	\$	534	\$	2,017	\$	1,880
Net cash used in investing activities	\$	(129)	\$	(128)	\$	(3)	\$	(379)
Net cash used in financing activities	\$	(373)	\$	(398)	\$	(1,959)	\$	(1,515)
Free Cash Flow								
Net cash provided by operating activities	\$	532	\$	534	\$	2,017	\$	1,880
Additions to property and equipment		(124)		(117)		(363)		(355)
Purchases of other investments		_		(1)		(7)		(8)
Free cash flow	\$	408	\$	416	\$	1,647	\$	1,517

<u>ARPU</u> - Sirius XM ARPU is derived from total earned subscriber revenue (excluding revenue associated with our connected vehicle services), 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:

		hree M nded mber 3		F	For the Twelve Mor Ended December 31,			
(costs in millions and installs in thousands)	2019		2018		2019		2018	
Subscriber acquisition costs, excluding connected vehicle services Less: margin from sales of radios and accessories, excluding	\$ 114	\$	118	\$	427	\$	470	
connected vehicle services	(38)		(33)		(144)		(122)	
	\$ 76	\$	85	\$	283	\$	348	
Installations	3,202		3,643		12,355	1	13,563	
SAC, per installation ^(a)	\$ 23.74	\$	23.37	\$	22.91	\$	25.66	

(a)

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.

RPM - 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.

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," "estimated," "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 forward-looking statements: our substantial competition, which is likely to increase over time; our ability to attract or increase the number of subscribers, which is uncertain; our ability to profitably attract and retain more price-sensitive consumers; failure to protect the security of personal information about our customers; interference to our service from wireless

operations; a decline in the effectiveness of our extensive marketing efforts; consumer protection laws and their enforcement; our failure to realize benefits of acquisitions or other strategic initiatives, including the acquisition of Pandora Media, Inc.; unfavorable outcomes of pending or future litigation; the market for music rights, which is changing and subject to uncertainties; our dependence upon the auto industry; general economic conditions; existing or future government laws and regulations could harm our business; failure of our satellites would significantly damage our business; the interruption or failure of our information technology and communications systems; rapid technological and industry changes; failure of third parties to perform; our failure to comply with FCC requirements; modifications to our business plan; our indebtedness; damage to our studios, networks or other three facilities as a result of terrorism or natural catastrophes; our principal stockholder has significant influence over our affairs and over actions requiring stockholder approval and its interests may differ from interests of other holders of our common stock; impairment of our business by third-party intellectual property rights; and changes to our dividend policies which could occur at any time. Additional factors that could cause our results to differ materially from those described in the forward-looking statements can be found in our Annual Report on Form 10-K for the year ended December 31, 2018 and our Quarterly Report on Form 10-Q for the guarter ended March 31, 2019, in each case, as 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.

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