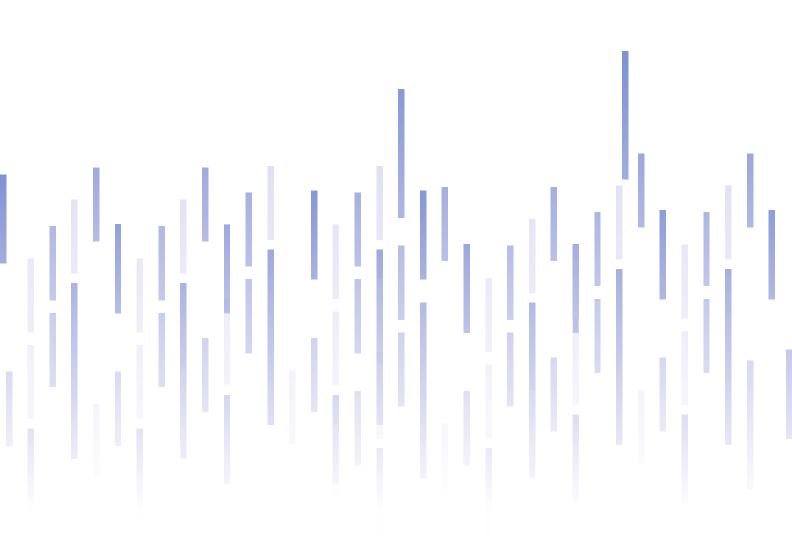


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LETTER TO SHAREHOLDERS	
STOCK PERFORMANCE	
INVESTMENT SUMMARY	
PROXY STATEMENT	
FINANCIAL INFORMATION	
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FORWARD-LOOKING STATEMENTS

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LETTER TO SHAREHOLDERS

April 2023

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Since then, we have enjoyed 6 NL East Titles, a memorable 2021 World Series victory, numerous player accolades, a successful ballpark relocation to Truist Park and the development of The Battery mixed-use property into a model for sports businesses. According to public sources, in 2022 the Braves ranked #1 in the NL East in revenue and EBITDA³, and #3 in payroll. We have steadily increased our payroll over the past 5 years⁴ while maintaining healthy profitability. Braves management prioritizes sound investments without tying us to long-term contracts that won't deliver value. Their strategy is paying off—financially and competitively on the field.

The new Atlanta Braves Holdings will be one of few publicly-traded sports teams. We believe this will better highlight the value of the Braves and The Battery Atlanta assets, provide increased liquidity outside of a tracking stock construct and better enable future business combinations. Braves' management will continue to run all baseball operations and Atlanta Braves Holdings corporate functions will continue to be run out of Liberty, providing oversight and direction primarily in areas of capital allocation and capital markets activity.

Finally, on media rights: the way in which we consume content has constantly evolved—fun fact: in 2007 when we bought the Braves, Netflix was first launching a limited "streaming service" available to its DVD subscribers. Yet again, the tectonic plates of distribution models are shifting. It remains to be seen what will happen to the traditional regional sports network ("RSN") business as the pay TV universe has declined while their rights fees continue to reflect the value in local sports programming. But, to state the obvious, not all RSNs are equal. The Braves have about 14 million cable, satellite, and broadband households in their territory, yet less than half are reached by Bally Sport South or Southeast TV stations. Household ratings have consistently been strong. And the Braves are the longest continuously operating franchise in the US. While we see change on the horizon, our position in this ecosystem is relatively strong.

. HE. RACKER

Following the split-off of Atlanta Braves Holdings, Liberty Media will be recapitalized into three new tracking stocks: Formula One Group, Liberty SiriusXM Group and Liberty Live Group. We'll provide a brief business and strategy update for each.

Liberty SiriusXM Group

We prioritized simplifying the Liberty SiriusXM Group tracking stock and balance sheet in 2022 and 2023 to-date. Following the creation of the Liberty Live Group tracker, Liberty SiriusXM Group's only assets will be our 82% interest in SiriusXM and cash. Gross debt attributed to the existing Liberty SiriusXM Group was down over \$400 million from January 1, 2022 through the date of this letter, including the refinancing activities we completed in March. Importantly, we also simplified our balance sheet with the retirement of a substantial portion of our 1.375% basket convertible notes and refinanced this debt with notes convertible into LSXMA. De-levering at Liberty SiriusXM is not a prerequisite for a potential combination but it does increase optionality.

We are focused on rationalizing this structure in the near term. We remain mindful of our shareholders' patience as the Liberty SiriusXM equity has underperformed our expectations. Importantly, we value our credibility as stewards of your capital.

SiriusXM operates a highly resilient, cash generative business. It finished 2022 with strong financial and subscriber results, reaching record high adjusted EBITDA and returning approximately \$2 billion to shareholders through dividends and share repurchases. As SiriusXM's management communicated, 2023 presents challenges but also an opportune time to invest in foundations to position the business to succeed over the long term. Some of these challenges are temporary, including continued top of funnel pressure from depressed new and used auto sales, a soft advertising market and elevated satellite capital expenditures. Streaming is a key piece of the company's future opportunity set for growth, with many of these newer growth markets skewing younger and digital native. SiriusXM is investing in a new app experience and increased personalization and customization capabilities to drive engagement with its service in and out-of-car. The company is actively managing its cost structure while simultaneously investing in product enhancements to position itself for growth in 2024 and beyond.

Formula One Group

Formula 1 is firing on all cylinders. We'll spare you additional driving puns that have become a hallmark of our F1-related communications. If you invested in the Liberty Media Group tracking stock at the time of its creation in April 2016, through March 30, 2023 you would have earned a compounded annual rate of return of 23% compared to 6% for the S&P Media Index and 10% for the S&P 500 Index.

³ Operating Income as reported by Forbes as of March 2023.

Represents 2017 through 2022, excluding 2020 due to effect of COVID-19 pandemic.

LETTER TO SHAREHOLDERS

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LETTER TO SHAREHOLDERS

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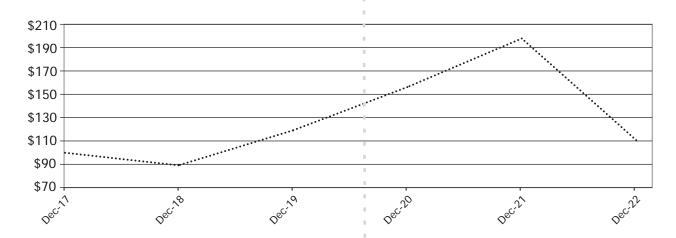
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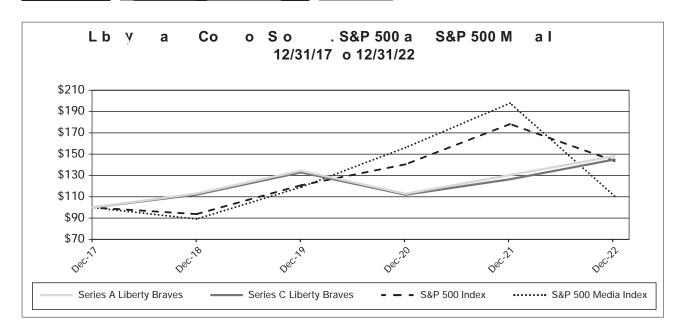
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INVESTMENT SUMMARY

(Based on publicly available information as of January 31, 2023) Libertymedia.com/about/asset-list
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 $\label{eq:continuity} \textbf{\textit{Revenue.}} \quad \text{Qwt" eqpuqnkfcvgf" tgxgpwg" kpetgcugf" \&986" o knnkqp" cpf" &4.259" o knnkqp" hqt" vjg" {gctu" gpfgf" Fgeg o dgt"53."4244"cpf"4243."tgurgevkxgn{."cu"eq o rctgf"vq"vjg"eqttgurqpfkpi"rtkqt"{gct"rgtkqfu0"Vjg"4244"kpetgcug" y cu" ftkxgp"d{"kpetgcugu"cv"Hqt o wnc"3."Uktkwu"ZO"Jqnfkpiu"cpf"Dtcxgu"Jqnfkpiu"qh"&659" o knnkqp."&529" o knnkqp"cpf"&42" o knnkqp." tgurgevkxgn{0"Vjg"4243" kpetgcugu" y cu" ftkxgp"d{" kpetgcugu" cv" Hqt o wnc"3."Uktkwu" ZO"Jqnfkpiu"cpf"Dtcxgu"Jqnfkpiu"qh" &;;3" o knnkqp." &878" o knnkqp"cpf"&5;2" o knnkqp." tgurgevkxgn{0"Ugg"õTguwnvu"qh"Qrgtcvkqpu ô Dwukpguuguö"dgnqy "hqt"c" o qtg" eq o rngvg"fkuewuukqp"qh"vjg"tguwnvu"qh"qrgtcvkqpu"qh"Uktkwu"ZO"Jqnfkpiu."Hqt o wnc"3"cpf"Dtcxgu"Jqnfkpiu0"$

 $\label{eq:continuous} \textit{Operating income.} \quad \text{Qwt"eqpuqnkfcvgf"qrgtcvkpi"kpeq og"kpetgcugf"\&:9" oknnkqp"cpf"&3.:22" oknnkqp"hqt"vjg"{gctu"gpfgf"Fgeg odgt"53."4244"cpf"4243."tgurgevkxgn{."cu"eq orctgf"vq"vjg"eqttgurqpfkpi"rtkqt"{gct"rgtkqfu0"Vjg"4244"kpetgcug"ycu"ftkxgp"d{"&369" oknnkqp"cpf"&35" oknnkqp"kpetgcugu"kp"Hqtownc"3"cpf"Uktkwu"ZO"Jqnfkpiu"qrgtcvkpi"tguwnvu."tgurgevkxgn{."rctvkcmf"qhhugv"d{"c"&68" oknnkqp"fgetgcug"kp"Dtcxgu"Jqnfkpiu"qrgtcvkpi"tguwnvu0"Vjg"4243"kpetgcug"ycu"ftkxgp"d{"&3.377" oknnkqp."&69:"oknnkqp"fgetgcugu"kp"Uktkwu"ZO"Jqnfkpiu."Hqtownc"3"cpf"Dtcxgu"Jqnfkpiu"qrgtcvkpi"tguwnvu."tgurgevkxgn{0"Ugg"õTguwnvu"qh"Qrgtcvkqpu ôDwukpguuguö"dgnqy"hqt"c"oqtg"eqorngvg"fkuewuukqp"qh"vjg"tguwnvu"qh"qrgtcvkqpu"qh"Uktkwu"ZO"Jqnfkpiu."Hqtownc"3"cpf"Dtcxgu"Jqnfkpiu"qrgtcvkqpu"qh"Uktkwu"ZO"Jqnfkpiu."Hqtownc"3"cpf"Dtcxgu"Jqnfkpiu0"$

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Share of earnings (losses) of affiliates.

 $\label{eq:thm:eq:other} \textbf{\textit{Other}, net.} \quad \text{Qvjgt."pgv"kpeqog"kpetgcugf"fwtkpi"4244."cu"eqorctgf"vq"vjg"eqttgurqpfkpi"rtkqt" {gct"rgtkqf."rtk octkn{"fwg"vq"ickpu"qp"gzvkpiwkujogpv"qh"fgdv"tgncvgf"vq"Nkdgtv{"UktkwuZO"Itqwr"eqtrqtcvg"fgdv"cpf"Hqtownc"Qpg"Itqwr"eqtrqtcvg"fgdv"Vjg"kpetgcug"hqt"4244"ycu"cnuq"ftkxgp"d{"cp"kpetgcug"kp"kpvgtguv"kpeqog"cpf"ickpu"qp"vjg"ucng"qh"vjtgg"okpqt"ngciwg"vgcou"cv"Dtcxgu"Jqnfkpiu0"Vjg"kpetgcug"kp"qvjgt."pgv"gzrgpug"kp"4243."cu"eqorctgf"vq"vjg"eqttgurqpfkpi"rtkqt"{gct"rgtkqf."ycu"rtkoctkn{"ftkxgp"d{"cp"kpetgcug"kp"nquugu"qp"gzvkpiwkujogpv"qh"fgdv"tgncvgf"vq"Uktkwu"ZO"Jqnfkpiu0""$

 $\label{localization} \emph{Income taxes.} Vjg"Eqorcp{"jcf"kpeqog"vcz"gzrgpug"qh"&386" o kmkqp."kpeqog"vcz"gzrgpug"qh"&67" o kmkqp"cpf" kpeqog"vcz"dgpghkv"qh"&66" o kmkqp"hqt"vjg"{gctu"gpfgf"Fgegodgt"53."4244."4243"cpf"4242."tgurgevkxgn{0 Qwt"ghhgevkxg"vcz" tcvg"hqt"vjg"{gctu"gpfgf"Fgegodgt"53."4244."4243"cpf"4242" ycu"9'."8''cpf"5'."tgurgevkxgn{0"Qwt"ghhgevkxg"vcz"tcvg"hqt" cm"vjtgg"{gctu"ycu"korcevgf"hqt"vjg"hqmqykpi"tgcuqpu<}$

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- $\bullet \text{$\dot{A}$ Fwtkpi"4243."qwt"ghhgevkxg"vcz"tcvg" y cu"nq y gt"vjcp"vjg"43 ' "W0U0"hgfgtcn"vcz"tcvg" fwg"vq"hgfgtcn"kpeq o g"vcz" etgfkvu."vjg"ugvvng o gpv"qh"uvcvg"kpeq o g"vcz" cwfkvu"cv"Uktkwu"ZO"Jqnfkpiu"cpf"c"ejcpig"kp"vjg"Eq o rcp{øu"hqtgkip"ghhgevkxg"vcz"tcvg."rctvkcnn{"qhhugv"d{"cp"kpetgcug"kp"vjg"Eq o rcp{øu"xcnwcvkqp"cnnq y cpeg."vjg"ghhgev"qh"uvcvg"kpeq o g"vczgu"cpf"egtvckp"nquugu"vjcv"ctg"pqv"fgfwevkdng"hqt"kpeq o g"vcz"rwtrqugu0"$
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 $\label{lem:continuity} \mbox{Uktkwu"ZO" J qn f kp i u"$ qr $gtc vgu" v y $q"$ kp/qtd kv"$ Uktkwu"$ ucvgnnkvgu."$ HO/$ IV and IV is a substitution of the substitution of t$

 $\label{linear_control_contro$

Results of Operations

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 $Y\,g''kfgpvkhkg\,f''vj\,g''gxcnwcvkqp''qh''vj\,g''uwhhkekgpe\{''qh''cwfkv''gxkfgpeg''tgncvg\,f''vq''Uktkwu''Z\,O''uwduetkdgt''tgxgpwg''cpf''Rcpfqtc''cfxgtvkukpi''tgxgpwg''cu''c''etkvkecn''cwfkv'' o cvvgt0''Gxcnwcvkpi''vj\,g''uwhhkekgpe\{''qh''cwfkv''gxkfgpeg'''qdvckpgf''tgswktgf''cwfkvqt''lwfiogpv''fwg''rtkpekrcnn{''vq''vjg''pwodgt''qh'''kV''crrnkecvkqpu''wugf''d{''vjg''Eqorcp{''vjcv''kpxqnxgf''}kV''rtqhguukqpcnu''ykvj''urgekcnk|gf''umknnu''cpf''mpqyngfig0'''}$

Eqpuqnk f cvg f "Uvcvg o gpvu" Qh "Qrgt cvkqpu" * Eqpvkpwg f + "

$[\ gctu"gpfgf"Fgeg\ o\ dgt"53."4244."4243"cpf"4242"$

		4244" "	4243"	4242"
Dcuke"pgv"gctpkpiu"*nquu+"cvvtkdwvcdng"vq"Nkdgtv{"uvqemjqnfgtu"rgt"eqooqp"ujctg"				
*pqvgu"4"cpf"5+"		" '	'	
Ugtkgu"C."D"cpf"E"Nkdgtv{"UktkwuZO"eqooqp"uvqem000000000000000000000000000000000000	&	50;6""	"309;	*4046+
Ugtkgu"C."D"cpf"E"Nkdgtv{"Dtcxgu"eqooqp"uvqem 000000000000000000000000000000000000	&	*2088+"	"*2043+	*3075+
Ugtkgu"C."D"cpf"E"Nkdgtv{"Hqtownc"Qpg"eqooqp"uvqem000000000000000000000000000000000000	&	405;""	"*20:4+	*4079+
Fknwvgf"pgv"gctpkpiu"*nquu+"cvvtkdwvcdng"vq"Nkdgtv{"uvqemjqnfgtu"rgt"eqooqp"ujctg"				
*pqvgu"4"cpf"5+"		" '	'	
$ Ugtkgu"C."D"cpf"E"Nkdgtv\{"UktkwuZO"eqooqp"uvqem000000000000000000000000000000000000$	&	5088""	"309:	*4055+
Ugtkgu"C."D"cpf"E"Nkdgtv{"Dtcxgu"eqooqp"uvqem 000000000000000000000000000000000000	&	*2088+"	"*2043+	*4022+
Ugtkgu"C."D"cpf"E"Nkdgtv{"Hqtownc"Qpg"eqooqp"uvqem000000000000000000000000000000000000	&	4037""	"*20:4+	*4079+

 $\label{eq:condition} Ugg"ceeq\:o\:rcp\{kp\:i\:"pqvgu"vq"eqpuqnk\:f\:cvg\:f"hkpcpekcn"uvcvg\:o\:gpvu0"$

 $Eqpuq\mathtt{nk}\,f\,cvg\,f\,"Uv\,cvg\,o\,gpvu\,"Qh\,"Eq\,o\,r\,tg\,j\,gpukxg\,"Gc\,tpkp\,i\,u\,"*Nquu+"$

 $[\ gctu"gpfgf"Fgeg\ o\ dgt"53."4244."4243"cpf"4242"$

	"""	4244"	""""	4243"	"""	4242"
			c o qw	pvu"kp" o k	nnkqpu	"
Pg "gctp kpiu" * nquu + 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						

$Eqpuqnkf\,cvg\,f\,"Uvcvg\,o\,gpvu"Qh"E\,cu\,j\,"Hnq\,y\,u"$

$[\ gctu"gp\ fg\ f"Fgeg\ o\ dgt"53."4244."4243"cp\ f"4242"$

	""""	4244" """""	4243" """	4242" "
· ·	"	c o qv	vpvu"kp" o knnkqpu'	"
1	"		ugg"pqvg"6+"	"
Ecuj "hmqyu"htqo"qrgtcvkpi"cevkxkvkgu<"		" "		
Pgv"gctpkpiu"*nquu+00000000000000000000000000000000000	&	4.24;"""	"966	*3.5;3+
Cflwuv o gpvu"vq"tgeqpekng"pgv"gctpkpiu"vq"pgv"ecuj"rtqxkfgf"d{"qrgtcvkpi"cevkxkvkgu<		"		
Fgrtgekcvkqp"cpf"coqtvk cvkqp"000000000000000000000000000000000000		3.266"""	"3.294	3.2:5
Uvqem/dcugf"eqorgpucvkqp"000000000000000000000000000000000000		"459" ""	"478	483
Pqp/ecuj "ko rckt o gpv"cpf"tguvtwevwtkp i "equvu"00000000000000000000000000000000000		"92""	"46	3.222
Ujctg"qh"*gctpkpiu+"nquu"qh"chhknkcvgu."pgv0000000000000000000000				

NKDGTV ["OGFKC"EQTRQTCVKQP"CPF"UWDUKFKCTKGU" Eqpuqnkfcygf"Uvcyg o gpv"Qh"Gswkv{"

 $Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"\\ Fgegodgt"53."4244."4243"cpf"4242"$

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Fgeg o dgt"53."4244."4243"cpf"4242"

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 $Fwtkpi"Ugrvgodgt"4244."vjg"Hqtownc"Qpg"Itqwr"cpf"vjg"Dtcxgu"Itqwr"rckf"crrtqzkocvgn{"\&86"oknnkqp"cpf" \&36"oknnkqp."tgurgevkxgn{."vq"vjg"Nkdgtv{"UktkwuZO"Itqwr"vq"ugvvng"c"rqtvkqp"qh"vjg"kpvgtitqwr"kpvgtguvu"kp"vjg"Hqtownc"Qpg"Itqwr"cpf"Dtcxgu"Itqwr"jgnf"d{"vjg"Nkdgtv{"UktkwuZO"Itqwr."cu"c"tguwnv"qh"vjg"tgrwtejcug"qh"c"rqtvkqp"qh"vjg"Eqpxgtvkdng"Pqvgu."cu"fguetkdgf"kp"pqvg";0"Vjg"pwodgt"qh"pqvkqpcn"ujctgu"tgrtgugpvkpi"vjg"kpvgtitqwr"kpvgtguv"kp"vjg"Dtcxgu"Itqwr"jgnf"d{"vjg"Hqtownc"Qpg"Itqwr"ku"8.9;4.;25."tgrtgugpvkpi"cp"3302' "kpvgtitqwr"kpvgtguv"cv"Fgegodgt"53."42440"Vjg"pwodgt"qh"pqvkqpcn"ujctgu"tgrtgugpvkpi"vjg"Dtcxgu"Itqwr"kpvgtguv"cv"Fgegodgt"53."42440"Vjg"pwodgt"qh"pqvkqpcn"ujctgu"tgrtgugpvkpi"vjg"Dtcxgu"Itqwr"kpvgtguv"cv"Fgegodgt"53."42440"Vjg"pwodgt"qh"pqvkqpcn"ujctgu"tgrtgugpvkpi"vjg"Dtcxgu"Itqwr"kpvgtguv"cv"Fgegodgt"53."42440"Vjg"pwodgt"qh"pqvkqpcn"ujctgu"tgrtgugpvkpi"vjg"Dtcxgu"Itqwr"jgnf"d{"v$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+" Fgegodgt"53."4244."4243"cpf"4242"

 $qhhgtkpi."\ y\ jkej"ciitgicvgf"crrtqzk\ o\ cvgn\{"\&976"\ o\ knnkqp."\ y\ gtg"wugf"vq"tgrc\{"vjg"qwvuvcpfkpi"dcncpeg"qp"vjg"Kpvgtitqwr"\ Nqcp"cpf"ceetwgf"kpvgtguv0""$

 $Fwtkpi"Pqxgodgt"4244."vjg"Dqctf"qh"Fktgevqtu"cwvjqtk|gf"ocpcigogpv"qh"vjg"Eqorcp\{"vq"rwtuwg"c"rncp"vq"tgfggo"gcej"qwvuvcpfkpi"ujctg"qh"kvu"Nkdgtv\{"Dtcxgu"eqooqp"uvqem"kp"gzejcpig"hqt"qpg"ujctg"qh"vjg"eqttgurqpfkpi"ugtkgu"qh"eqooqp"uvqem"qh"c"pgyn{"hqtogf"gpvkv{."Cvncpvc"Dtcxgu"Jqnfkpiu."Kpe0"*vjg"oUrnkv/Qhhö+0"Cvncpvc"Dtcxgu"Jqnfkpiu."Kpe0"yknn"dg"eqortkugf"qh"vjg"dwukpguugu."cuugvu"cpf"nkcdknkvkgu"cvvtkdwvgf"vq"vjg"Dtcxgu"Itqwr0"Vjg"kpvgtitqwr"kpvgtguvu"kp"vjg"$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvg o gpvu"*Eqpvkpwgf+"

Fgeg o dgt"53."4244."4243"cpf"4242"

Investments

 $Cnn"o\ ctmgvcdng"g\ swkv \{"cpf"fgdv"ugewtkvkgu"j\ gnf"d \{"vjg"Eq\ o\ rcp\{"ctg"ecttkgf"cv"hckt"xcnwg."i\ gpgtcnn \{"dcugf"qp"swqvgf"\ o\ ctmgv"rtkegu"cpf"ejcpigu"kp"vjg"hckt"xcnwg"qh"uwej"ugewtkvkgu"ctg"tgrqtvgf"kp"tgcnk|gf"cpf"wptgcnk|gf"ickp"*nquugu+"qp"hkpcpekcn"kpuvtw o\ gpvu"kp"vjg"ceeq o\ rcp\{kpi"eqpuqnkfcvgf"uvcvg o\ gpvu"qh"qrgtcvkqpu0"Vjg"Eq\ o\ rcp\{"gngevgf"vjg"\ o\ gcuwtg\ o\ gpv"cnvgtpcvkxg"*fghkpgf"cu"vjg"equv"qh"vjg"ugewtkv<math>\{."cflwuvgf"hqt"ejcpigu"kp"hckt"xcnwg"\ y\ jgp"vjgtg"ctg"qdugtxcdng"rtkegu."nguu"k o\ rckt\ o\ gpvu+"hqt"kvu"gswkv<math>\{"ugewtkvkgu"\ ykvjqwv"tgcfkn\{"fgvgt\ o\ kpcdng"hckt"xcnwgu0"Vjg"vqvcn"xcnwg"qh"\ o\ ctmgvcdng"gswkv\{"ugewtkvkgu"ciitgicvgf"&:2"o\ knnkqp"cpf"&439"o\ knnkqp"cu"qh"Fgeg\ o\ dgt"53."4244"cpf"4243."tgurgevkxgn\{0"$

 $Hqt"vjqug"kpxguvogpvu"kp"chhknkcvgu"kp"yjkej"vjg"Eqorcp\{"jcu"vjg"cdknkv\{"vq"gzgtekug"ukipkhkecpv"kphnwgpeg."vjg"gswkv\{"ogvjqf"qh"ceeqwpvkpi"ku"wugf"Wpfgt"vjku"ogvjqf."vjg"kpxguvogpv."qtkikpcm{"tgeqtfgf"cv"equv."ku"cflwuvgf"vq"tgeqipk|g"vjg"Eqorcp{\deltau"ujctg"qh"pgv"gctpkpiu"qt"nquugu"qh"vjg"chhknkcvg"cu"vjg{"qeewt"tcvjgt"vjcp"cu"fkxkfgpfu"qt"qvjgt"fkuvtkdwvkqpu"ctg"tgegkxgf0"Nquugu"ctg"nkokvgf"vq"vjg"gzvgpv"qh"vjg"Eqorcp{\deltau"vjg"kpxguvogpv"kp."cfxcpegu"vq"cpf"eqookvogpvu"hqt"vjg"kpxguvgg0"Kp"vjg"gxgpv"vjg"Eqorcp{\deltau"vjg"kpxguvogpv"kp."cfxcpegu"vq"cpf"eqookvogpvu"hqt"vjg"kpxguvgg0"Kp"vjg"gxgpv"vjg"Eqorcp{\deltau"vjg"kpxguvogpv"hkpcpekcn"kphqtocvkqp"htqo"cpggswkv{"chhknkcvg"kp"c"vkogA$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

Fgeg o dgt"53."4244."4243"cpf"4242"

vjg"hckt"xcnwg"qh"vjg"fgtkxcvkxg"ctg"tgeqipk|gf"kp"gctpkpiu0"Pqpg"qh"vjg"Eqorcp{øu"fgtkxcvkxgu"ctg"ewttgpvn{"fgukipcvgf"cu"jgfigu0"

 $\label{eq:constraints} Vjg"hckt"xcnwg"qh"egtvckp"qh"vjg"Eqorcp\{\delta u"fgtkxcvkxg"kpuvtwogpvu"ctg"guvkocvgf"wukpi"vjg"Dncem/Uejqngu"oqfgn0"\ Vjg"Dncem/Uejqngu"oqfgn0"\ Vjg"Dncem/Uejqngu"oqfgn0"\ Vjg"Dncem/Uejqngu"oqfgn0"\ Vjg"Dncem/Uejqngu"oqfgn0"\ Vjg"Dncem/Uejqngu"oqfgn0"\ Vjg"Dncem/Uejqngu"oqfgn0"\ Vjg"Dncem/Uejqngu"oqfgn0"\ Vjg"Dncem/Uejqngu"oqfgn0"\ Vjg"Bqvpfgtn\{kpi"ugewtkv{"cyg0"Vjg"Eqorcp{"qdvckpgf"xqncvknkv{"tcvgu"htqo"rtkekpi"ugtxkegu"dcugf"qp"vjg"gzrgevgf"xqncvknkv{"tcvg0"Vjg"Eqorcp{"qdvckpgf"xqncvknkv{"tcvgu"htqo"rtkekpi"ugtxkegu"dcugf"qp"vjg"gzrgevgf"xqncvknkv{"qh"vjg"wpfgtn{kpi"ugewtkv{"qxgt"vjg"tgockpkpi"ygto"qh"vjg"fgtkxcvkxg"kpuvtwogpv0"C"fkueqwpv"tcvg"ycu"qdvckpgf"cv"vjg"kpegrvkqp"qh"vjg"fgtkxcvkxg"kpuvtwogpv0cpf"wrfcvgf"gcej"tgrqtvkpi"rgtkqf."dcugf"qp"vjg"Eqorcp{\dug{wu}guvkocvg"qh"vjg"fkueqwpv"tcvg"cv"yjkej"kv"eqwnf"ewttgpvn{"ugvvng"vjg"fgtkxcvkxg"kpuvtwogpv0"Vjg"Eqorcp{"eqpukfgtgf"kvu"qyp"etgfkv"tkum"cu"ygm"cu"vjg"etgfkv"tkum"qh"kvu"eqwpvgtrctvkgu"kp"guvkocvkpi"vjg"fkueqwpv"tcvg0"Eqpukfgtcdng"ocpcigogpv"lwfiogpv"ycu"tgswktgf"kp"guvkocvkpi"vjg"Dncem/Uejqngu"xctkcdngu0"$

Property and Equipment

 $Rtqrgtv \{ "cpf"gswkrogpv"eqpukuvgf"qh"vjg"hqnnqykpi < "cpf"gswkrogpv"eqpukuvgf"qh"vjg < "cpf"gswkrogpv"eqpukuvgf"qh"vjg < "cpf"gswkrogpv"eqpukuvgf"eqpuk$

H .		Guvk o cvgf"		Fgeg o	dgt"53.""
u .	"""	Wughwn"Nkhg"	"""	4244" ""	4243"
п				c o qwpvu"k	p" o kmkqpu"
Ncpf"000000000000000000000000000000000000		PC	&	5;2"""	"367
Dwknfkpiu"cpf"kortqxgogpvu000000000000000000000000000000000000		32 ó 62 {gctu		;94"""	";7;
Uwrrqtv"gswkr o gpv% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		5 ó 42 {gctu		:86"""	":26
Ucvgnnkvg"u{uvgo"000000000000000000000000000000000000		37 {gctu		3.;66"""	"3.;8;
Eqpuvtwevkqp"kp"rtqitguu"000000000000000000		PC		533"""	"372
$Vqvcn"rtqrgtv\{"cpf"gswkrogpv"\ 0\ 0\ 0\ 0\ 0\ 0$			&	6.6:3"""	"6.249

 $Rtqrgtv \{"cpf"gswkr o gpv."kpenwfkpi"uki pkhkecpv"k o rtqxg o gpvu. "ku"uvcvgf"cv"equv0"Fgrtgekcvkqp"ku"eq o rwvgf"wukpi"vjg"uvtcki j v/nkpg" o gvjqf"wukpi "guvk o cvgf"wughwn"nkxgu0"Fgrtgekcvkqp"gzrgpug"hqt"vjg" \{gctu"gpfgf"Fgeg o dgt"53."4244."4243"cpf"4242"ycu"&484"oknnkqp."&492"oknnkqp"cpf"&48:"oknnkqp."tgurgevkxgn {0"}$

 $\label{lem:constraint} Whith will also on the constraint of the$

Intangible Assets

 $\label{thm:condition} \begin{tabular}{ll} Kpvcp\,i\,kdng"\,cuugvu"\,y\,kvj\,"guvk\,o\,cdng"\,wughwn"nkxgu"\,vcf\,vj\,gkt"\,guvk\,o\,cvg\,f"\,wughwn"nkxgu"\,vq"\,vj\,gkt"\\ guvk\,o\,cvg\,f"\,tgukfwcn"\,xcnwgu."\,cp\,f"\,tgxkg\,y\,g\,f"\,hqt"\,k\,o\,rckt\,o\,gpv"\,wrqp"\,egtvckp"\,vtki\,i\,gtkp\,i\,"gxgpvu0"\,I\,qq\,f\,y\,knn"\,cp\,f"\,qvj\,gt"\,kpvcp\,i\,kdng"\,cuugvu"\,y\,kvj\,"kp\,f\,ghkpkvg"wughwn"nkxgu"*eqnngevkxgn\,\{.\"{o}kp\,f\,ghkpkvg"nkxg\,f"kpvcp\,i\,kdng"cuugvu"o+"ctg"pqv"c\,o\,qtvk\,|\,g\,f."dwv"kpuvgc\,f"ctg"vguvg\,f"\,hqt"k\,o\,rckt\,o\,gpv"cv"ngcuv"cppwcnn\,\{0"Qwt"cppwcn"k\,o\,rckt\,o\,gpv"cuuguu\,o\,gpv"qh"qwt"kp\,f\,ghkpkvg/nkxg\,f"kpvcp\,i\,kdng"cuugvu"ku"rgthqt\,o\,g\,f''\,fwtkp\,i\,vj\,g"hqwtvj"\,s\,wctvgt"\,qh"\,gce\,j\,"\,\{\,gct.\,"qt"\,o\,qtg"\,htgs\,wgpvn\,\{\,"kh\,"gxgpvu"\,cp\,f\,"\,ektew\,o\,uvcpegu"\,kp\,fkecvg"\,k\,o\,rckt\,o\,gpv''\,o\,c\,\{\,"\,j\,cxg''\,qeewttg\,f\,0''}$

$Pqvgu"vq"Eqpuqnk\ f\ cvg\ f"Hkpcpekcn"Uvcvg\ o\ gpvu"*Eqpvkpwg\ f+"$

Fgeg o dgt"53."4244."4243"cpf"4242"

 $\label{thm:prop:convey} Kp"gxcnwcvkpi"iqqfykm"qp"c"swcnkvcvkxg"dcuku."vjg"Eqorcp{"tgxkgyu"vjg"dwukpguu"rgthqtocpeg"qh"gcej"tgrqtvkpi" wpkv"cpf"gxcnwcvgu"qvjgt"tgngxcpv"hcevqtu"cu"kfgpvkhkgf"kp"vjg"tgngxcpv"ceeqwpvkpi"iwkfcpeg"vq"fgvgtokpg"yjgvjgt"kv"ku"oqtg"nkmgn{"vjcp"pqv"vjcv"cp"kpfkecvgf"korcktogpv"gzkuvu"hqt"cp{"qh"qwt"tgrqtvkpi"wpkvu0"Vjg"Eqorcp{"eqpukfgtu"yjgvjgt"vjgtg"ctg"cp{"pqicvkxg"ocetqgeqpqoke"eqpfkvkqpu."kpfwuvt{"urgekhke"eqpfkvkqpu."octmgv"ejcpigu."kpetgcugf"eqorgvkvkqp."kpetgcugf"eqorgvkvkqp."kpetgcugf"eqorgvejcmgpigu."vjg"ngicn"gpxktqpogpvu"cpf"jqy"vjgug"hcevqtu"okijv"korceveqorcp{"urgekhke"rgthqtocpeg"kp"hwvwtg"rgtkqfu0"Cu"rctv"qh"vjg"cpcn{uku."vjg"Eqorcp{"cnuq"eqpukfgtu"hckt"xcnwg"fgvgtokpcvkqpu"hqt"egtvckp"tgrqtvkpi"wpkvu"vjcv"jcxg"dggp"ocfg"cv"xctkqwu"rqkpvu"vjtqwijqwv"vjg"ewttgpv"cpf"rtkqt"{gctu"hqt"qvjgt"rwtrqugu0"Kh"dcugf"qp"vjg"swcnkvcvkxg"cpcn{uku"kv"ku"oqtg"nkmgn{"vjcp"pqv"vjcv"cp"korcktogpv"gzkuvu."vjg"Eqorcp{"rgthqtou"vjg"swcpvkvcvkxg"korcktogpv"vguv0"}}$

 $\label{eq:constraint} Vj\,g"\,s\,wcpvkvcvkxg"\,i\,qqf\,y\,km"\,k\,o\,rckt\,o\,gpv"\,vguv"\,eq\,o\,rctgu"\,vj\,g"\,guvk\,o\,cvg\,f"hckt"\,xcnwg"\,qh"c"tgrqtvkp\,i\,"wpkv"\,vq"kvu"\,ectt\,\{kp\,i\,"\,xcnwg0"\,F\,gxgnqrkp\,i\,"guvk\,o\,cvgu"\,qh"hckt"\,xcnwg"\,tg\,s\,wktgu"uk\,i\,p\,khkecpv"lwf\,i\,o\,gpvu.\,"kpenwf\,kp\,i\,"\,o\,cmkp\,i\,"cuuw\,o\,rvkqpu"\,cdqwv"\,cr\,rtq\,rtkcvg"\,f\,kueqwpv"\,tcvgu.\,"\,rgtrgvwcn"\,i\,tq\,y\,v\,j\,"tcvgu.\,"tgngxcpv"\,eq\,o\,rctcdng"\,o\,ctmgv"\,o\,wnvkrngu.\,"\,rwdnke"\,vtc\,f\,kp\,i\,"\,rtkegu"\,cp\,f"\,vj\,g\,"c\,o\,qwpv\,"cp\,f"\,v\,k\,o\,kp\,i\,"q\,h"g\,z\,r\,gevg\,f\,"hwvwtg\,"ecu\,j\,"hnq\,y\,u\,0"\,V\,j\,g\,"ecu\,j\,"hnq\,y\,u\,g\,o\,rnq\,\{g\,f\,"kp\,"Nkdgtv\,\{\,\emptysetu\,"xcnwcvkqp\,"cpcn\,\{uku\,"ctg\,"dcug\,f\,"qp\,"o\,cpc\,i\,g\,o\,gpv\emptysetu\,"\,dguv"\,guvk\,o\,cvgu\,"\,eqpuk\,f\,gtkp\,i\,"\,ewttgpv\,"\,o\,ctmgv\,rnceg\,"hcevqtu"\,cp\,f\,"tkumu\,"cu\,"\,y\,gnn\,"\,cu\,"cuuw\,o\,rvkqpu\,"\,qh\,"\,i\,t\,q\,y\,v\,j\,"t\,cvgu\,"kp\,"hwvwtg\,"\,g\,ecu\,v\,0\,"\,v\,j\,gtg\,"ku\,"p\,q\,"cuuwtcpeg\,"v\,j\,cv\,"cevwcn\,"tguwnvu\,"kp\,"v\,j\,g\,"hwvwtg\,"\,y\,knn\,"c\,r\,r\,t\,q\,zk\,o\,cvg\,"v\,j\,gug\,"hqtgecuvu0"\,"kh\,"v\,j\,g\,"ectt\,\{kp\,i\,"xcnwg\,"qh\,"c"tg\,r\,q\,tvkp\,i\,"\,wpkv\,"g\,zegg\,f\,u\,"kvu\,"hckt\,"xcnwg\,"cp\,"k\,o\,r\,ckt\,o\,gpv\,"nquu\,"ku\,"tgeq\,i\,pk\,|\,g\,f\,"kp\,"cp\,"c\,o\,qwpv\,"g\,swcn\,"v\,q\,"v\,j\,cv\,"g\,zeguu0"$

 $\label{eq:Vjgceeqwpvkpi} Vjg"ceeqwpvkpi" i wkfcpeg"cnuq" rgt o kvu"gpvkvkgu" vq"hktuv" rgthqt o "c"s wcnkvcvkxg" cuuguu o gpv" vq"fgvgt o kpg" y j gv j gt"kv"ku" o qtg"nkmgn { "vjcp"pq q n { "voâ A g$ i } }$

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 $Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"\\ Fgegodgt"53."4244."4243"cpf"4242"$

Revenue Recognition

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Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

 $Fgeg\ o\ dgt"53."4244."4243"cp\ f"4242"$

ctg"tgeqtfgf"cu"tgxgpwg0"Ujkrrkpi"cpf"jcpfnkpi"equvu"cuuqekcvgf"ykvj"ujkrrkpi"iqqfu"vq"ewuvqogtu"ctg"tgrqtvgf"cu"c"eqorqpgpv"qh"equv"qh"ugtxkegu0"

 $\textbf{Qvjgt"tgxgpwg0"Qvjgt"tgxgpwg"rtkoctkn{"kpenwfgu"tgxgpwg"tgeqipk|gf"htqo"tq{cnvkgu"tgegkxgf"htqo"Uktkwu"ZO"Ecpefc0"}}$

0 "

Fgeg o dgt"53."4244."4243"cpf"4242"

Braves Holdings

"

 $Vjg \verb|"hqnnq| y \verb|kpi|"vcdng \verb|"fkuciitgicvgu"| Dtcxgu \verb|"Jqnfkpiu@"tgxgpwg"| d \{ \verb|"uqwteg<" not of the property of the pro$

	[gctu"gpfgf"Fgegodgt"53."			
" "		4244" "	4243" "	4242"
" "			c o qwpvu"kp" o knnkqpu"	
Dcugdcm"000000000000000000000000000000000000	&	757	748""	"364
Okzgf/Wug"Fgxgnqrogpv"000000000000000000000000000000000000		75	64""	58
Vqvcn"Dtcxgu"Jqnfkpiu"tgxgpwg"000000000	&	7::	78:""	"39:

 $Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"\\ Fgegodgt"53."4244."4243"cpf"4242"$

 $tgeqipk \mid gf"kp"tgxgpwg"ujctg"cpf"tq\{cnvkgu"rtk\ o\ ctkn\{"qp"c"uvtck\ i\ o\ ctkn\{"qp"c"uvtckn\ i\ o\ ctkn"qp"c"uvtckn\ i\ o\ ctkn\{"qp"c"uvtckn\ i\ o\ ctkn"qp"c"uvtckn\ i\ o\ ctkn"qp"c"uvtckn"q$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+" Fgegodgt"53."4244."4243"cpf"4242"

 $y\ jkej\ "ctg"\ tgncvg\ f"vq"urqpuqtujkr"cpf"\ o\ ctmgvkpi\ "cevkxkvkgu"vq"ugnnkpi."\ i\ gpgtcn"cpf"\ cf\ o\ kpkuvtcvkxg\ "gzrgpug"qp"c"uvtckij\ v/nkpg"\ dcuku"qxgt"vjg\ "citgg\ o\ gpv0"$

Cost of Formula 1 Revenue

 $Equv" qh" Hqt o wnc" 3" tgxgpwg" eqpukuvu" qh" vgc o" rc {ogpvu" cpf" jqurkvcnkv {"equvu." yjkej" ctg" rtkpekrcnn {"tgncvgf" vq" left reference for the content of the co$

 $Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"\\ Fgegodgt"53."4244."4243"cpf"4242"$

 $\label{lem:condition} \mbox{\tt Kpenwfgf"kp"vjg"ceeq\ o\ rcp\{kpi"eqpuqnkfcvgf"uvcvg\ o\ gpvu"qh"qrgtcvkqpu"ctg"vjg"hqnnq\ y\ kpi"c\ o\ qwpvu"qh"uvqem/dcugf"eq\ o\ rgpucvkqp<"}$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

Fgeg o dgt"53."4244."4243"cpf"4242"

Series A, Series B and Series C Liberty SiriusXM Common Stock

 $\label{lem:continuous} Vjg"dcuke"cpf" fknwvgf"GRU"ecnewncvkqpu"ctg"dcugf"qp"vjg"hqnnqykpi"YCUQ0"Gzenwfgf"htqo"fknwvgf"GRU"hqt"vjg" \\ \{gctu"gpfgf"Fgegodgt"53."4244."4243"cpf"4242"ctg"47"oknnkqp."3;"oknnkqp"cpf"47"oknnkqp"rqvgpvkcnn{"fknwvkxg"ujctgu"qh"Nkdgtv{"UktkwuZO"eqooqp"uvqem."tgurgevkxgn{."dgecwug"vjgkt"kpenwukqp"yqwnf"dg"cpvkfknwvkxg0"}$

n .		[gctu"gpfgf"Fgegodgt"53."			
1	"""	4244"	4243" "	4242"*c+"	
1		pw o dgt"qh"u j c tgu"kp" o knnkqpu"			
Dcuke" YCUQ"0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		54:	557""	"556	
Rqvgpvkcnn{					

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

Fgeg o dgt"53."4244."4243"cpf"4242"

	"	[gctu"gpfgf"Fgeg o dgt"53."			
1		4244" """	4243" "	4242"	
•		c o qwpvu"kp" o knnkqpu"			
Dcuke"gctpkpiu"*nquu+"cvvtkdwvcdng"vq"Nkdgtv{"UktkwuZO"	"				
uvqemjqnfgtu"000000000000000000000000000000000000	&	3.4;4	"7;;""	*969+	
Cflwuv o gpvu'000000000000000000000000000000000000		*53+	" ô ""	*57+	
Fknwygf"gctpkpiu"*nquu+"cvvtkdwycdng"yq"Nkdgtv{"UktkwuZO"	"				
uvqemjqnfgtu"000000000000000000000000000000000000	&	3.483	"7;;""	*9:4+	

Series A, Series B and Series C Liberty Braves Common Stock

0000000000

 $\label{lem:continuous} Vjg"dcuke"cpf" fknwvgf"GRU"ecnewncvkqpu"ctg"dcugf"qp"vjg"hqnnqykpi"YCUQ0"Gzenwfgf"htqo"fknwvgf"GRU"hqt"vjg" \{gctu"gpfgf"Fgegodgt"53."4244."4243"cpf"4242"ctg"32"oknnkqp."4"oknnkqp"cpf"7"oknnkqp"rqvgpvkcnn{"fknwvkxg"ujctgu"qh"Nkdgtv{"Dtcxgu"eqooqp"uvqem."tgurgevkxgn{."dgecwug"vjgkt"kpenwukqp"yqwnf"dg"cpvkfknwvkxg0"$

[gctu"gpfgf"Fgeg o dgt"53."			
4244" """	4243" "	4242"	
pw o dgt"qh"u j c t gu"kp" o kmkqpu"			
75	74""	"73	
/	32""	;	
75	84""	"82	
	4244" """	4244" """ 4243" " pw o dgt"qh"u j ctgu"kp" o kmkqpu 75 74"" / 32""	

 $Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"\\ Fgegodgt"53."4244."4243"cpf"4242"$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

Fgeg o dgt"53."4244."4243"cpf"4242"

 $kpvgtguv"\ gzrgpug"\ cpf"\ vjg"\ wptgcnk|\ gf"\ i\ ckp"\ qt"\ nquu"\ tgeqtfgf"\ qp"\ vjg"\ kpuvtw\ o\ gpv"\ fwtkpi"\ vjg"\ rgtkqf."\ pgv"\ qh"\ vcz"\ yjgtg"\ crrtqrtkcvg0"Cffkvkqpcm{."cp"cflwuv\ o\ gpv"\ ku"cnuq"\ o\ cfg"vq"vjg"pw\ o\ gtcvqt"hqt"c"j{rqvjgvkecn"\ o\ ctm"vq"\ o\ ctmgv"cflwuv\ o\ gpv"\ qp"vjg"ujctgu"qh"Ugtkgu"C"Nkdgtv{"Hqt\ o\ wnc"Qpg"eq\ o\ o\ qp"uvqem"kpenw\ fgf"kp"vjg"Ugewtkvkgu"Dcumgv"wpfgtn{kpi\ 'vjg"\ y\ cttcpvu"\ kp"rgtkqfu"kp"\ yjkej"ecuj"ugvvng\ o\ gpv"\ y\ qwnf"dg"\ o\ qtg"fkmvvkxg"vjcp"ujctg"ugvvng\ o\ gpv0""$

	"	[gctu	"gpfgf"Fgeg o dgt"5.	3."
· ·	"	4244" """	4243" "	4242"
II		c	qwpvu"kp" o kmkqpu"	
Dcuke"gctpkpiu"*nquu+"cvvtkdwvcdng"vq"Nkdgtv{"Hqtownc"Qpg"	"			
uvqemjqnfgtu'000000000000000000000000000000000000	&	77:	"*3;2+"	*7;8+
Cflwuvogpvu000000000000000000000000000000000000		*56+	"334""	97
Fknwvgf"gctpkpiu"*nquu+"cvvtkdwvcdng"vq"Nkdgtv{"Hqtownc"Qpg"	"			_
uvqemjqnfgtu'000000000000000000000000000000000000	&	746	"*9:+"	*743+
uvqemjqnfgtu"000000000000000000000000000000000000		77: *56+	"*3;2+" "334""	*7

Reclasses and Adjustments

Estimates

 $\label{eq:control_vision} Vjg"rtgrctcvkqp"qh"hkpcpekcn"uvcvg o gpvu"kp"eqphqt o kv{"ykvj" I CCR"tgswktgu" o cpc i g o gpv"vq" o cmg"guvk o cvgu"cpf" cuuw o rvkqpu"vjcv"chhgev"vjg"tgrqtvgf"c o qwpvu"qh"cuugvu"cpf"nkcdknkvkgu"cv"vjg"fcvg"qh"vjg"hkpcpekcn"uvcvg o gpvu"cpf"vjg"tgrqtvgf"c o qwpvu"qh"tgxgpwg"cpf" gzrgpugu" fwtkpi" vjg" tgrqtvkpi" rgtkqf0" Cevwcn" tguwnvu" eqwnf" fkhhgt" htq o "vjqug" guvk o cvgu0" Vjg" Eq o rcp{"eqpukfgtu"*k+"hckt"xcnwg" o gcuwtg o gpv"qh"pqp/hkpcpekcn"kpuvtw o gpvu."*kk+"ceeqwpvkpi "hqt"kpeq o g"vczgu"cpf"*kkk+"vjg" fgvgt o kpcvkqp"qh"vjg"wughwn"nkhg"qh"Uktkwu"ZO"J qnfkpiuø"dtqcfec$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

Fgeg o dgt"53."4244."4243"cpf"4242"

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

Fgeg o dgt"53."4244."4243"cpf"4242"

 $Nkdgtv\{\emptyset u"cuugvu"cpf"nkcdknkvkgu"\ o\ gcuwtgf"cv"hckt"xcnwg"ctg"cu"hqnnq\ y\ u<"\ nkdgtv\{\emptyset u"cuugvu"cpf"nkcdknkvkgu"\ o\ gcuwtgf"nkcdknkvkgu"\ o$

п	"			Fgeg o dgt"53."42	244"			Fgeg o dgt"53."	4243"	1
"	"""	" "	"""	Swqvgf"rtkegu"	" Ukipkhkecpv"qvjgt "	_	" "	Swqvgf"rtkegu"	""" Uk i pkhkecpv"qv j gt	1
"	"	" "	"	kp"cevkxg" o ctmgvu	qdugtxcdng"		"	kp"cevkxg" o ctmgvu"	" qdugtxcdng" '	1
"	"	" "	"	hqt"kfgpvkecn"cuugvu	kprwvu"		"	hqt"kfgpvkecn"cuugvu'	" kprwvu" '	1
Fguetkrvkqp"	"""	Vqvcn"	"""	*Ngxgn"3+"	"" <u>*Ngxg</u> n"4+" "	"	Vqven" ""	"*Ngxgn"3+"	""" *Ngxgn"4+" '	1
"	"				c o qwpvu"kp)" (o knnk qp u"		,	1
Ecui "gswkxcngpvu" 0 0 0 0 0 0 0 0 0 0 0 0 0	0 ""	\%"4.248	3""	4.248	ô					

Pqvgu"vq" Eqpuqnk f cvg f"Hkpcpekcn" Uvcvg o gpvu"*Eqpvkpwg f + "

Fgeg o dgt"53."4244."4243"cpf"4242"

 $\label{thm:control_equation} $$ \operatorname{sun}_{\operatorname{control_equation}} $$ \operatorname{sun}_{\operatorname{control_equation}}$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+" Fgegodgt"53."4244."4243"cpf"4242"

 $\label{thm:condition} V{\tt jg"hqnnq\,y\,kp\,i"vcdng"rtgugpvu"v\,j\,g"Eq\,o\,rcp\{\emptyset u"u\,j\,ctg"qh"gctpkp\,i\,u"*nquugu+"qh"chhknkcvgu<"notationally the properties of t$

$Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"\\ Fgegodgt"53."4244."4243"cpf"4242"$

1 gog o ago eeo 12 1 1 12 10 op 1 12 11

 $Uwooctk \mid gf"hkpcpekcn"kphqtocvkqp"hqt"Nkxg"Pcvkqp"ku"cu"hqnnqyu<" \\$

Consolidated Balance Sheets



 $Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"\\ Fgegodgt"53."4244."4243"cpf"4242"$

$NKDGTV \ [\ "OGFKC" EQTRQTCVKQP" CPF" UWDUKFKCTKGU" \\$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

 $Fgeg\ o\ dgt"53."4244."4243"cp\ f"4242"$

$\hbox{$*:$+$""} \ I \ qq \ f \ y \ knn" cp \ f "Qv \ j \ gt "Kpv cp \ i \ kdng" Cuugvu"$

Goodwill

 $Ejcpigu"kp"vjg"ectt\{kpi"coqwpv"qh"iqqfykm"ctg"cu"hqnnqyu<"$

	" [Uktkwu" ZO			
"		Jqnfkpiu" "	Hqt o wnc"3" """""	Qvjgt" """""	Vqven" "
"	"		c o qwpvu"kp" o k	nnk qp u"	
Dcncpeg"cv"Lcpwct{"3."4243"0000000000000000000000000000000000	&	37.2:4	5.;78""	"3:2""	3;.43:
Ceswkukvkqpu"*c+"00000000000000000000000000000000000		52	ô ""	" ô ""	52
Denepeg"ev" F geg o dgt					

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

Fgeg o dgt"53."4244."4243"cpf"4242"

Intangible Assets Subject to Amortization

 $\label{lem:condition} \verb"Kpvcp" i kdng" cuugvu" uwdlgev" vq" coqtvk | cvkqp" ctg" eqortkug f"qh" vjg "hqnnqykpi<" \\$

п п		Fgeg o dgt"53."42	44"	Fgeg o dgt"53."4243"			
" """	I tquu"	""" "	""" Pgv"	""" I tquu" """"	" "	""" Pgv"	
"	ectt{kpi"	Ceew o wncvg f	ectt{kpi"	ectt{kpi" "	Ceew o wncvgf	ectt{kpi	
" "	c o qwpv"	c o qtvk cvkqp	c o qwpv"	c o qwpv" "	c o qtvk cvkqp	c o qwpv	
" "		nk	CXC o qwpvu"kp	o" o kunkqpu"			
HKC"Citggogpv"0000000000000000000000" "	& 5.852	*3.347+	4.727	" 5.852" "	"*;58+	" 4.8;6	
Ewuvq o gt"tgncvkqpu j kru"0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.276	*3.;58+	3.33:	5.275"""	"*3.89;+	3.596	
Nkegpukpi "citgg o gpvu" 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 "	57;	*494+	:9	577"""	"*465+	334	
Qvjgt000000000000000000000000000000000000	4.3;3	*3.835+	79:	3.;55"""	"*3.538+	839	
$Vqvcn"0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0$	& ;.456	*6.;68+	6.4::	::;93"""	"*6.396+	6.9;9	

$NKDGTV \ [\ "OGFKC" EQTRQTCVKQP" CPF" UWDUKFKCTKGU" \\$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

$Fgeg\ o\ dgt"53."4244."4243"cp\ f"4242"$

*;+""Fgdv"

 $Fgdv"ku"uw\ o\ o\ ctk\ |\ g\ f"cu"hqnnq\ y\ u<"$

n e e e e e e e e e e e e e e e e e e e	"	Qwvuvcpfkpi"		Ectt{kpi	"xcnwg" "
	"""		"Fge		Fgeg o dgt"53."
" "	" <u>F</u>	geg o dgt"53."4244 "	mayu"	4244" " kp" o knnkqpu"	4243" "
Nkdgtv{"UktkwuZO" I tqwr""	"	" "	rpvu :	ир Омшкури	11
Eqtrqtcvg"ngxgn"pqvgu"cpf"nqcpu<"		"	" "		
30597 ' "Ecuj "Eqpxgtvkdng"Ugpkqt"Pqvgu"fwg"4245"*3+000000000000000000000000000000000000	&	9;2"""	"	";8:"	3.762
40347 ' "Gzejcpigcdng"Ugpkqt"Fgdgpvwtgu"fwg"426: "*3+ 0000000000000		5:9""		"5:4"	638
4047 ' "Gzejcpigcdng"Ugpkqt"Fgdgpvwtgu"fwg"426: "*3+ 00000000000000		ô ""		" ô "	866
4097 ' "Gzejcpigcdng"Ugpkqt"Fgdgpvwtgu"fwg"426; "*3+ 00000000000000		7:8""		"77:"	846
207 ' "Gzejcpigcdng"Ugpkqt"Fgdgpvwtgu"fwg"4272"*3+ 0000000000000000		;42""		";42"	3.554
Uktkwu"ZO" Jqnfkpiu"Octikp"NqcpD000000000000000000000000000000000000		:97"""		":97"	:97
Nkxg"Pcvkqp"Octikp"Nqcp\000000000000000000000000000000000000		ô"	"	ô"	ô
Uwdukfkct{"pqvgu"cpf"nqcpu<"		"	" "		
Uktkwu"ZO"50347' "Ugpkqt"Pqvgu"fwg"4248"0000000000000000000000000000000000		3.222""	"	";;4"	;;2
Uktkwu"ZO"702 ' "Ugpkqt"Pqvgu"fwg"4249"0000000000000000000000000000000000		3.722""	"	"3.6;4"	3.6;3
Uktkwu"ZO"602 ' "Ugpkqt"Pqvgu"fwg"424:"0000000000000000000000000000000000		4.222""	"	"3.;:4"	3.;9;
Uktkwu"ZO"7072' "Ugpkqt"Pqvgu"fwg"424; "000000000000000000000000000000000000		3.472""	"	"3.462"	3.45;
Uktkwu"ZO"60347 ' "Ugpkqt"Pqvgu"fwg"4252"0000000000000000000000000000000000		3.722""	"	"3.6:9"	3.6:7
Uktkwu"ZO"50:97 ' "Ugpkqt"Pqvgu"fwg"4253"000000000000000000000000000000000000		3.722""	"	"3.6:7"	3.6:6
Rcpfqtc"3097 ' "Eqpxgtvkdng"Ugpkqt"Pqvgu"fwg"4245 00000000000000000000000000000000000		3;5""	"	"3;5"	399
Uktkwu"ZO"Ugpkqt"Ugewtgf"Tgxqnxkpi"Etgfkv"Hceknkv{ 000000000000000000000000000000000000		:2"""	"	":2"	ô
Uktkwu"ZO"Kpetgogpvcn"Vgto"Nqcp"000000000000000000000000000000000000		722""	"	"722"	ô
Fghgttgf"hkpcpekpi"equvu""0000000000000000000000000000000000		"	"	"*34+	*36+
Vqvcn"Nkdgtv{"UktkwuZO" I tqwr""00000000000000000000000000000000000		35.2:3""	"	"35.365"	36.484
Dtexgu" I tqwr""		"	"		
Uwdukfkct{"pqvgu"cpf"nqcpu<"		"	"		
Pqvgu"cpf"nqcpu""00000000000000000000000000000000000		768""	"	"768"	922
Fghgttgf"hkpcpekpi"equvu""0000000000000000000000000000000000		"	"	"*6+	*5+
Vqvcn"Dtexgu" I tqwr"000000000000000000000000000000000000		768""	"	"764"	8;9
Hqt o wnc"Qpg" I tqwr""		"	"		
Eqtrqtcvg"ngxgn"pqvgu"cpf"nqcpu<"		II .	"		
3' "Ecuj "Eqpxgtvkdng" Pqvgu" fwg" 4245" * 3+00000000000000000000000000000000000		49""	"	"66"	888
4047 ' "Eqpxgtvkdng"Ugpkqt"Pqvgu"fwg"4249"*3+000000000000000000000000000000000000		697""	"	"67:"	ô
Qvjgt"000000000000000000000000000000000000					

Pqvgu"vq" Eqpuqnk f cvg f"Hkpcpekcn" Uvcvg o gpvu"*Eqpvkpwg f + "

Fgeg o dgt"53."4244."4243"cpf"4242"

1.375% Cash Convertible Senior Notes due 2023

 $Qp"\ Qevqdgt"39."\ 4235."\ Nkdgtv\{"\ kuuwgf"\ \&3"\ dkmkqp"\ ciitgicvg"\ rtkpekrcn"\ co\ qwpv"\ qh"\ vjg"\ Eqpxgtvkdng"\ Pqvgu0"\ Vjg"\ Pqvgu0"\ Vjg"\ Pqvgu0"\$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

$Fgeg\ o\ dgt"53."4244."4243"cp\ f"4242"$

 $eqortkukpi"vjg"Ugewtkvkgu"Dcumgv"wpfgtn\{kpi"vjg"ycttcpvu"vq"vjg"gzvgpv"vjcv"vjg"ugvvngogpv"rtkeg"gzeggfu"vjg"uvtkmg"rtkeg"qh"vjg"ycttcpvu."cpf"vjg"ycttcpvu"ctg"ugvvngf"kp"ujctgu"eqortkukpi"uwej"Ugewtkvkgu"Dcumgv0"$

1% Cash Convertible Notes due 2023

 $Qp"Lcpwct \{"45."4239."Nkdgtv \{"kuuwgf"\&672" o knnkqp"ecuj"eqpxgtvkdng"pqvgu"cv"cp"kpvgtguv"tcvg"qh"3' "rgt"cppw o." y jkej"ctg"eqpxgtvkdng." wpfgt"egtvckp"ektew o uvcpegu. "kpvq"ecuj"dcugf"qp"vjg"vtcfkpi"rtkegu"qh"vjg"wpfgtn \{kpi"ujctgu"qh"ujctgu"qh"ujctgu"qh"vjg"vtcfkpi "rtkegu"qh"vjg"wpfgtn [kpi"ujctgu"qh"ujctgu"qh"vjg"vtcfkpi "rtkegu"qh"vjg"wpfgtn [kpi"ujctgu"qh"ujctgu"qh"vjg"wpfgtn [kpi"ujctgu"qhujctgu$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

Fgeg o dgt"53."4244."4243"cpf"4242"

 $ctg"cvvtkdwvgf"vq"vjg"Nkdgtv\{"UktkwuZO"Itqwr0"Nkdgtv\{"jcu"gngevgf"vq"ceeqwpv"hqt"vjg"fgdgpvwtgu"wukpi"vjg"hckt"xcnwg"qrvkqp0"Ugg"pqvg"8"hqt"kphqtocvkqp"tgncvgf"vq"wptgcnk|gf"ickpu"*nquugu+"qp"fgdv"ogcuwtgf"cv"hckt"xcnwg0"$

Margin Loans

Sirius XM Holdings Margin Loan

 $\label{eq:continuous} \begin{tabular}{ll} Kp"Octej" 4242."Nkdgtv{"Uktk"OctikpEq."NNE"*\~oUktk"OctikpEq\"o+."c"yjqnn{/qypgf"uwdukfkct{"qh"Nkdgtv{."cogpfgf"kvu"octikp"nqcp"citggogpv"ugewtgf"d{"ujctgu"qh"Uktkwu"ZO"Jqnfkpiu"eqooqp"uvqem"*vjg"\~oUktkwu"ZO"Jqnfkpiu"Octikp"Nqcp\"o+"vjcv"ycu"eqortkugf"qh"c"&472"oknnkqp"ygto"nqcp."c"&722"oknnkqp"tgxqnxkpi"nkpg"qh"etgfkv"cpf"c"&822"oknnkqp"fgnc{gf"ftcy"ygto"nqcp."c"&722"oknnkqp"tgxqnxkpi"nkpg"qh"etgfkv"cpf"c"&822"oknnkqp"fgnc{gf"ftcy"ygto"nqcp."c"&722"oknnkqp"tgxqnxkpi"nkpg"qh"vjg"tgxqnxgt"ecttkgf"cp"kpygtguv"tcvg"qh"NkDQT"rnwu"4027'"ykvj"vjg"wpftcyp"rqtvkqp"ectt{kpi"c"hgg"qh"2097'0"Dqttqykpiu"qwvuvcpfkpi"wpfgt"vjg"Uktkwu"ZO"Jqnfkpiu"Octikp"Nqcp"dqtg"kpygtguv"cv"c"tcvg"qh"4052'"rgt"cppwo"cv"Fgegodgt"53."42420"$

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Sirius XM Holdings Senior Notes

Sirius XM 3.125% Senior Notes Due 2026 and Sirius XM 3.875% Senior Notes Due 2031

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

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 $\label{eq:conditional} Vjg"hqmqykpi"vcdng"rtgugpvu"vjg"eqorqpgpvu"qh"ngcug"gzrgpug<""$

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п	"	c o qv	vpvu"kp" o knnkqpu""	"		
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Kpvgtguv"qp"ngcug"nkcdknkvkgu""00000000		7	8	8""		
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 $\label{lem:condition} Vjg"Rwdnke"\ Ycttcpvu."kuuwgf"cu"\ rctv"qh"vjg"Wpkvu"kp"vjg"KRQ."jcf"egtvckp"rtqxkukqpu"\ yjkej"tgswktgf"NOCE"vq"ceeqwpv"hqt"vjgug"kpuvtw ogpvu"cv"hckt"xcnwg"cu"c"nkcdk\ b\ cv"t$

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1		c o qv	wpvu"kp" o knnkqp	u"	
Eqorwvgf"gzrgevgf"vcz"dgpghkv"*gzrgpug+00000000000000000000000000000000000	&	*683+	"*388+""	"523	
Uvcvg"cpf"nqecn"kpeqog"vczgu."pgv"qh"hgfgtcn"kpeqog"vczgu000000		*98+	"*7:+""	"*64+	
Hqtgkip"kpeqog"vczgu."pgv"qh"hqtgkip"vcz"etgfkv000000000000000000		49_	"56""	"42	
Kpeq o g"vcz"tgugtxgu00000000000000000000000000000000		34	"362""	"*3;+	
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 $\label{lem:control_vjg} Vjg"vcz"ghhgevu"qh"vgorqtct \{ "fkhhgtgpegu"vjcv"ikxg"tkug"vq"ukipkhkecpv"rqtvkqpu"qh"vjg"fghgttgf"kpeqog"vcz"cuugvu"cpf"fghgttgf"kpeqog"vcz"nkcdknkvkgu"ctg"rtgugpvgf"dgnqy<"$

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Vcz"nquu"cpf"etgfkv"ectt{hqtyctfu"000000000000000000000000000000000000	&"	3.392"""	"3.697
Qvjgt"ceetwgf"nkcdknkvkgu"000000000000000000000000000000000000	""	"478"""	"454
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$\mathbf{P} \mathbf{q} \mathbf{v} \mathbf{g} \mathbf{u}^{\text{T}} \mathbf{v} \mathbf{q}^{\text{T}} \mathbf{E} \mathbf{q} \mathbf{p} \mathbf{u} \mathbf{q} \mathbf{n} \mathbf{k} \mathbf{f} \mathbf{c} \mathbf{v} \mathbf{g} \mathbf{f}^{\text{T}} \mathbf{H} \mathbf{k} \mathbf{p} \mathbf{c} \mathbf{p} \mathbf{e} \mathbf{k} \mathbf{c} \mathbf{n}^{\text{T}} \mathbf{U} \mathbf{v} \mathbf{c} \mathbf{v} \mathbf{g} \mathbf{o} \mathbf{g} \mathbf{p} \mathbf{v} \mathbf{u}^{\text{T}} \mathbf{*} \mathbf{E} \mathbf{q} \mathbf{p} \mathbf{v} \mathbf{k} \mathbf{p} \mathbf{w} \mathbf{g} \mathbf{f}^{\text{T}} \mathbf{n}^{\text{T}} \mathbf{e} \mathbf{n}^{\text{T}} \mathbf{v} \mathbf{e} \mathbf{v} \mathbf{e} \mathbf{n}^{\text{T}} \mathbf$

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n .	Fgeg o dgt"53."		
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Fgetgcug"hqt"vcz"rqukvkqpu"qh"rtkqt"{gctu000000000000000000000000000000000000	*39	9+ """ *4+	"""" "*9+"
<pre>Kpetgcug"*fgetgcug+"kp"vcz"rqukvkqpu"hqt"ewttgpv"{gct0000</pre>	5.	3 *32+	" "42""
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$\mathbf{P} q v g u "v q " \mathbf{E} q p u q n k \mathbf{f} \mathbf{c} v \mathbf{g} \mathbf{f} " H k \mathbf{p} \mathbf{c} \mathbf{p} \mathbf{e} k \mathbf{c} n " U v \mathbf{c} v \mathbf{g} \mathbf{o} \mathbf{g} \mathbf{p} v u " * \mathbf{E} q \mathbf{p} v k \mathbf{p} w \mathbf{g} \mathbf{f} + "$

Fgeg o dgt"53."4244."4243"cpf"4242"

*35+""Uvqemjqnfgtuø"Gswkv{"

Preferred Stock

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Common Stock

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Purchases of Common Stock

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Liberty—Grants of Awards

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Ugtkgu"E"Nkdgtv{"UktkwuZO"eqooqp"uvqem."Nkdgtv{"gornq{ggu"cpf"fktgevqtu"*3+000000000000000000000000000000000000	64	& 35053	88 "	&"36076""	"594	& 34034
$\label{thm:continuity:eq} Ugtkgu"E"Nkdgtv{"UktkwuZO"eqooqp"uvqem."Nkdgtv{"EGQ"*4+000000000000000000000000000000000000$	434	& 36067				& 33025
Ugtkgu"E"Nkdgtv{"Hqt o wnc"Qpg"eq o o qp"uvqem."Nkdgtv{" g o rnq{ggu"cpf"fktgevqtu"*3+"00000000000000000000000000000000000	56	& 450;6	77 "	&"3:09;""	"527	& 3604;
$Ugtkgu"E"Nkdgtv\{"Hqtownc"Qpg"eqooqp"uvqem."Nkdgtv\{"EGQ"*4+000000000000000000000000000000000000$	3:3	& 43053		& "ô"		& 34064
Ugtkgu"E"Nkdgtv{"Hqt o wnc"Qpg"eq o o qp"uvqem."Hqt o wnc"3" g o rnq{ggu"*5+000000000000000000000000000000000000	:8	& 43053	93: "	&"370;8""	"3.657	& 9077
fktgevqtu"*3+"00000000000000000000000000000000000	32	& 34062	45 "	& ";0;5""		& 909;
Ugtkgu"E"Nkdgtv{"Dtcxgu"eqooqp"uvqem."Nkdgtv{"EGQ"*4+00000	;7	& ;038	-	& "ô"	,	& 9048
gtkg "E"Nkdgtv{"Dtcxgu"eq o o qp"uvqem."Dtcxgu"g o rnq{ggu"*6+ 0	ô	& ô	ô "	& " ô ""	"3.7:7	& :074

 $[\]begin{array}{ll} ckpn\{"xguvu"dgvyggp"vyq"cpf"hqwt"\{gctu"hqt"gornq\{ggu"cpf"kp"qp\& 9"kOO^2. \not c \end{array} \} \\ \end{array}$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

Fgeg o dgt"53."4244."4243"cpf"4242"

 $\label{eq:continuous} Vjg"Eqorcp\{"jcu"ecnewncvgf"vjg" IFHX"hqt"cnn"qh"kvu"gswkv\{"encuukhkgf"cyctfu"wukpi"vjg"Dncem/Uejqngu"Oqfgn0"Vjg"Eqorcp\{"guvkocvgu"vjg"gzrgevgf"vgto"qh"vjg"Cyctfu"dcugf"qp"jkuvqtkecn"gzgtekug"cpf"hqthgkvwtg"fcvc0"Hqt"itcpvu"ocfg"kp"4244."4243"cpf"4242."vjg"tcpig"qh"gzrgevgf"vgtou"ycu"705"vq"708"{gctu0"Vjg"xqncvknkv{"wugf"kp"vjg"ecnewncvkqp"hqt"Cyctfu"ku"dcugf"qp"vjg"jkuvqtkecn"xqncvknkv{"qh"Nkdgtv{øu"uvqemu"cpf"vjg"kornkgf"xqncvknkv{"qh"rwdnken{"vtcfgf"Nkdgtv{"qrvkqpu0"Vjg"Eqorcp{"wugu"c"|gtq"fkxkfgpf"tcvg"cpf"vjg"tkum/htgg"tcvg"hqt"Vtgcuwt{"Dqpfu"ykvj"c"vgto"ukoknct"vq"vjcv"qh"vjg"uwdlgev"qrvkqpu0"}$

 $\label{lem:prop:condition} Vjg"hqnnqykpi"vcdng"rtgugpvu"vjg"xqncvknkvkgu"wugf"d\{"vjg"Eqorcp\{"kp"vjg"Dncem/Uejqngu"Oqfgn"hqt"vjg"4244."4243"cpf"4242"itcpvu0"$

	Xqnc	evknkv{" ""
2022 grants	"""	""" """ "
Nkdgtv{"qrvkqpu"000000000000000000000000000000000000	4707 '	/ 5906" ' "
2021 grants	""" """	""" """"
Nkdgtv{"qrvkqpu"000000000000000000000000000000000000	520; '	/ 5906" ' "
2020 grants	""" """	""" """"
Nkdgtv{"qrvkqpu"000000000000000000000000000000000000	430: '	/ 5904" ' "

Liberty—Outstanding Awards

 $\label{lem:condition} Vjg"hqmqykpi"vcdngu"rtgugpv"vjg"pwodgt"cpf"ygkijvgf"cxgtcig"gzgtekug"rtkeg"*\~oYCGR\"o+"qh"qrvkqpu"vq"rwtejcug"\\ Nkdgtv{"eqooqp"uvqem"itcpv_ "" tv{ t g g} g$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

Fgeg o dgt"53."4244."4243"cpf"4242"

Liberty—Restricted Stock and Restricted Stock Units

 $\label{eq:condition} Vjg" Eqorep{"jcf"} crrtqzkocvgn{"95" vjqwucpf."96" vjqwucpf" cpf" 39: "vjqwucpf" wpxguvgf" TUCu" cpf" TUWu" qh" Nkdgtv{"UktkwuZO."Nkdgtv{"Hqtownc"Qpg"cpf"Nkdgtv{"Dtcxgu"eqooqp"uvqem."tgurgevkxgn{."jgnf"d{"egtvckp"fktgevqtu."qhhkegtu" cpf" gornq{ggu" qh" vjg" Eqorep{"cu" qh" Fgegodgt"53." 42440" Vjgug" Ugtkgu"C" cpf" Ugtkgu"E" wpxguvgf" TUCu" cpf" TUWu" qh" Nkdgtv{"UktkwuZO" eqooqp"uvqem."Nkdgtv{"Hqtownc"Qpg"eqooqp"uvqem"cpf"Nkdgtv{"Dtcxgu"eqooqp"uvqem"jcf"c" ygkijvgf" cxgtcig" I FHX"qh"&6304:."&77056"cpf"&53077" rgt"ujctg."tgurgevkxgn{0}"$

Sirius XM Holdings—Stock-based Compensation

 $Fwtkpi"vjg" \{gctu"gpfgf"Fgegodgt"53."4244."4243"cpf"4242."Uktkwu"ZO"Jqnfkpiu"itcpvgf"xctkqwu"v \{rgu"qh"uvqem"cyctfu"vq"kvu"gornq \{ggu"cpf"ogodgtu"qh"kvu"dqctf"qh"fktgevqtu0"Uvqem/dcugf"cyctfu"ctg"igpgtcm{"uwdlgev"vq"c"itcfgf"xguvkpi"tgswktgogpv."yjkej"ku"igpgtcm{"vjtgg"vq"hqwt" \{gctu"htqo"vjg"itcpv"fcvg0""Uvqem"qrvkqpu"igpgtcm{"gzrktg"vgp" \{gctu"htqo"vjg"fcvg"qh"itcpv0""Tguvtkevgf"uvqem"wpkvu"kpenwfg"rgthqtocpeg/dcugf"tguvtkevgf"uvqem"wpkvu"*õRTUWuö+."vjg"xguvkpi"qh"yjkej"ctg"uwdlgev"vq"vjg"cejkgxgogpv"qh"rgthqtocpeg"iqcnu"cpf"vjg"gornq \{ggøu"eqpvkpwgf"gornq{ogpv"cpf"igpgtcm{"enkhh"xguv"qp"vjg"vjkf"cppkxgtuct{"qh"vjg"itcpv"fcvg0"Uktkwu"ZO"Jqnfkpiu"ecnewncvgu"vjg"itcpv/fcvg"hckt"xcnwg"hqt"cm"qh"kvu"gswkv{"encuukhkgf"cyctfu"wukpi"vjg"Dncem/Uejqngu"Oqfgn0"Vjg"ygkijvgf"cxgtcig"xqncvknkv{"crrnkgf"vq"vjg"hckt"xcnwg"fgvgtokpcvkqp"qh"Uktkwu"ZO"Jqnfkpiuø"qrvkqp"itcpvu"fwtkpi"4244."4243"cpf"4242"ycu"53'."55'"cpf"4:'."tgurgevkxgn{0"Fwtkpi"vjg" {gct"gpfgf"Fgegodgt"53."4244."Uktkwu"ZO"Jqnfkpiu"itcpvgf"crrtqzkocvgn{"33"oknnkqp"uvqem"qrvkqpu"ykvj"c"ygkijvgf/cxgtcig"gzgtekug"rtkeg"qh"&8068"rgt"ujctg"cpf"c"itcpv"fcvg"hckt"xcnwg"qh"kvu"ncem"qrvkqpu"ykvj"c"ygkijvgf/cxgtcig"gzgtekug"rtkeg"qh"&8068"rgt"ujctg"cpf"c"itcpv"fcvg"hckt"xcnwg"qh"kvu"ncem"qrvkqpu"ykvj"c"ygkijvgf/cxgtcig"gzgtekug"rtkeg"qh"&8068"rgt"ujctg"cpf"c"itcpv"fcvg"hckt"xcnwg"qhckt"xcnwg"qh"kvu"ncem"qrvkqpu"ykvj"c"ygkijvgf/cxgtcig"gzgtekug"rtkeg"qh"&8068"rgt"ujctg"cpf"c"itcpv"fcvg"hckt"xcnwg"qhckt"xcnwg"qh"&306:"rgt"ujctg"cpf"c"itcpv"fcvg"hckt"xcnwg"qhckt"xcnwg"qh"&306:"rgt"ujctg"cpf"c"itcpv"fcvg"hckt"xcnwg"qhckt"xcnwg"qhckt"ujctg"cpf"c"itcpv"fcvg"hckt"xcnwg"qhckt"ujctg"cpf"c"itcpv"fcvg"hckt"xcnwg"qhckt"ujctg"cpf"c"itcpv"fcvg"hckt"xcnwg"qhckt"ujctg"cpf"c"itcpv"fcvg"hckt"xcnwg"qhckt"ujctg"cpf"c"itcpv"fcvg"hckt"ujctg"cpf"c"itcpv"fcvg"hckt"xcnwg"qhckt"ujctg"cpf"c"itcpv"fcvg"hckt"ujctg"cpf"c"itcpv"fcvg"hckt"ujctg"cpf"c"itcpv"fcvg"hckt"ujctg"cpf"c"itcpv"fcvg"hckt"ujctg"cpf"cujctg"cpf"cujctg"cpf"c"itcpv"fcvg"hckt"ujctg"cpf"cujctg"cpf"cujctg"cpf"cujctg"cpf"cujctg"cpf"cujct$

 $Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"\\ Fgegodgt"53."4244."4243"cpf"4242"$

*3:+"" $\mathbf{Eqookvogpvu}$ " \mathbf{cpf} " $\mathbf{Eqpvkpigpekgu}$ "

Guarantees

$Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"\\ Fgegodgt"53."4244."4243"cpf"4242"$

 $Fwtkpi"vjg" \{gct"gpfgf"Fgegodgt"53."4244."vjg"ZO/7"ucvgnnkvg"tgrncegf"vjg"ZO/6"ucvgnnkvg0"Cu"qh"Fgegodgt"53."4244."vjg"ZO/5"cpf"ZO/" \ H/O \ All Control of the control o$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

Fgeg o dgt"53."4244."4243"cpf"4242"

 $\label{thm:continuous} Vjg"OOC"itcpvu"c"rqvgpvkcn"hgfgtcn"rtgg orvkqp"fghgpug"vq"vjg"enck ou"cuugtvgf"kp"vjg"chqtg ogpvkqpgf"nc yuwkvu0"Kp" Lwn {"423;."Rcpfqtc"vqqm"uvgru"vq"cxckn"kvugnh"qh"vjku"rtgg orvkqp"fghgpug."kpenwfkpi"ocmkpi"vjg"tgswktgf"rc {ogpvu"wpfgt"vjg"OOC"hqt"egtvckp"qh"kvu"wugu"qh"rtg/3;94"tgeqtfkpiu0"Dcugf"qp"vjg"hgfgtcn"rtgg orvkqp"eqpvckpgf"kp"vjg"OOC"*cnqpi"ykvj" qvjgt"eqpukfgtcvkqpu+."Rcpfqtc"cumgf"vjg"Pkpvj"Ektewkv"vq"qtfgt"vjg"fku okuucn"qh"vjg"Flo & Eddie, Inc. v. Pandora Media, Inc. ecug0"Qp"Qevqdgt"39."423;."vjg"Pkpvj"Ektewkv"Eqwtv"qh"Crrgcnu"kuuwgf"c"ogoqtcpfwo"fkurqukvkqp"eqpenwfkpi"vjcv"vjg" swguvkqp"qh"yjgvjgt"vjg"OOC"rtgg orvu"Hnq"cpf"Gffkgøu"enck ou"ejcmgpikpi"Rcpfqtcøu"rgthqtocpeg"qh"rtg/3;94"tgeqtfkpiu" õfgrgpfu"qp"xctkqwu"wpcpu ygtgf"hcevwcn"swguvkqpuö"cpf"tgocpfgf"vjg"ecug"vq"vjg"Fkuvtkev"Eqwtv"hqt"hwtvjgt"rtqeggfkpiu0"$

 $\label{lem:continuous} Kp"Qevqdgt"4242."vjg"Fkuvtkev"Eqwtv"fgpkgf"Rcpfqtcơu"tgpgygf"oqvkqp"vq"fkuokuu"vjg"ecug"wpfgt"Ecnkhqtpkcơu"cpvk/UNCRR"uvcvwvg."hkpfkpi"vjg"ecug"pq"nqpigt"swcnkhkgf"hqt"cpvk/UNCRR"fwg"vq"kpvgtxgpkpi"ejcpigu"kp"vjg"ncy."cpf"fgpkgf"Rcpfqtcơu"tgpgygf"cvvgorv"vq"gpf"vjg"ecug0""Cnvgtpcvkxgn{."vjg"Fkuvtkev"Eqwtv"twngf"vjcv"vjg"rtggorvkqp"fghgpug"nkmgn{"fkf"pqv"crrn{"vq"Hnq"("Gffkgơu"enckou."kp"rctv"dgecwug"vjg"Fkuvtkev"Eqwtv"dgnkgxgf"vjcv"vjg"Owuke"Oqfgtpk|cvkqp"Cev"fkf"pqv"crrn{"tgvtqcevkxgn{0""Rcpfqtc"rtqorvn{"rgvfgyf"vjg"Fkuvtkev"Eqwtvou"fgekukqp"vq"vjg"Pkpvj"Ektewkv."cpf"oqxgf"vq"uvc{"}$

 $\label{eq:continuous} Pqvgu"vq"Eqpuqnkfcvgf" Hkpcpekcn" Uvcvg o gpvu"*Eqpvkpwgf+" \\ Fgeg o dgt"53."4244."4243"cpf"4242"$

*3;+""Kphqt o cvkqp"Cdqwv"Nkdgtv{øu"Qrgtcvkpi"Ugi o gpvu"

 $\label{lem:continuous} Vjg"Eqorcp\{."vjtqwij"kvu"qypgtujkr"kpvgtguvu"kp"uwdukfkctkgu"cpf"qvjgt"eqorcpkgu."ku"rtkoctkn{"gpicigf"kp"vjg"ogfkc"cpf"gpvgtvckpogpv"kpfwuvtkgu0"Vjg"Eqorcp{"kfgpvkhkgu"kvu"}$

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

$Fgeg\ o\ dgt"53."4244."4243"cp\ f"4242"$

 $Cu"\ qh"\ Fgeg\ o\ dgt"53."\ 4243."\ Nkxg"\ Pcvkqp"\ o\ gv"\ vj\ g"\ Eq\ o\ rcp\{\emptyset u"\ tgrqtvcdng"\ ug\ i\ o\ gpv"\ vj\ tgu\ j\ qnf"\ hqt"\ gswkv\{"\ o\ gv\ j\ qf"\ chkknkcvgu"\ fwg"\ vq"\ uk\ i\ pkkkecpv"\ nquugu"\ ftkxgp"\ d\{"\ EQXKF/3; 0"\ Cu"\ qh"\ Fgeg\ o\ dgt"53."\ 4244."\ Nkxg"\ Pcvkqp"\ fkf"\ pqv"\ o\ ggv"\ vj\ g"\ Eq\ o\ rcp\{\emptyset u"\ tgrqtvcdng"\ ug\ i\ o\ gpv"\ vj\ tgu\ j\ qnf"\ hqt"\ gswkv\{"\ o\ gv\ j\ qf"\ chkknkcvgu0"\ Ceeqt\ fkp\ i\ n\{."\ vj\ g"\ ug\ i\ o\ gpv"\ rtgugpvcvkqp"\ hqt"\ rtkqt"\ rgtkqfu"\ j\ cu"\ dggp"eqphqt\ o\ gf"vq"vj\ g"ewttgpv"\ rgtkqf"\ ug\ i\ o\ gpv"\ rtgugpvcvkqp0"""$

Rgthqt o cpeg"Ogcuwtgu"

n		[gctu"gpfgf"Fgegodgt"53."					
1		424	44"	424	13" "	4242"	
1	"""	"	"""Cflwuvgf	" "	"Cflwuvgf"""	" "	"""Cflwuvgf
"		Tgxgpwg"	QKDFC	Tgxgpwg"	QKDFC" "	Tgxgpwg	QKDFC
"				c o qwpvu"kp'	o knnkqpu"		
Nkdgtv{"UktkwuZO" I tqwr"	"	" "	" " "	" "	" "	" '	"
Uktkwu"ZO" Jqnfkpiu"000000000000000000000000000000000000	8	;.225	4.:55	:.8;8 ""	"4.992"""	":.262	4.797
Eqtrqtcvg"cpf"qvjgt"000000000000000000000000000000000000	_	ô	*48+	ô "	"*37+"	ô	*53+
Vqvcn"Nkdgtv{"UktkwuZO" tqwr"000000000000000000000000000000000000		;.225	4.:29	:.8;8 "	"4.977""	":.262	4.766
Dtexgu" I tqwr"				"	"	"	
Eqtrqtcvg"cpf"qvjgt"000000000000000000000000000000000000		7::	83	78: ""	"326"""	"39:	*75+
Vqvcn"Dtcxgu" I tqwr"000000000000000000000000000000000000	_	7::	83	78: "	"326""	"39:	*75+
Hqt o wnc"Qpg" I tqwr"				"	"		
Hqtownc"3000000000000000000000000000000000000		4.795	7;5	4.358 "	"6;7""	"3.367	78
Eqtrqtcvg"cpf"qvjgt"000000000000000000000000000000000000	_	ô	*64+	ô "	<u>"*4;+</u> "	ô	*5:+
$Vqvcn"Hqt\ o\ wnc"Qpg"\ I\ tqwr"0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0$		4.795	773	4.358 "	"688""	"3.367	3:
$Vqvcn"0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0$	8	34.386	5.63;	33.622 ""	"5.547"""	";.585	4.72;

Qvjgt"Kphqt o cvkqp"

"		Fgeg o dgt"53."424	I4 "	Fgeg o dgt"53."4243"			
	"" Vqvcn" cuugvu"	""" Kpxguv o gpvu "" kp"chhknkcvgu	" Ecrkven" """ gzrgpfkvwtgu	Vqven" """ cuugvu" "	""Kpxguv o gpvu""""" kp"chhknkcvgu" "	Ecrkven" gzrgpfkvwtgu	
II II			c o qwpvu"kp"	o knnkqpu"			
Nkdgtv{"UktkwuZO" I tqwr" "	" "	" " "	" "	-ii	" "	"	
Uktkwu"ZO" Jqnfkpiu"0000000000000000"	&""4;.723	887	648	4;.:34 ""	"938"""	5::	
Eqtrqtcvg"cpf"qvjgt"0000000000000000"	";9:	37:	ô	3.:84 "	":;""	ô	
$Vqvcn"Nkdgtv{"UktkwuZO" I tqwr" 0 0 0 0 "}$	" "52.69;	:45	648	53.896 "	":27""	5::	
Dtcxgu" I tqwr"	" "			"	"		
Eqtrqtcvg"cpf"qvjgt"0000000000000000"	" 3.699	;7	3:	3.858 "	"332""	57	
Vqvcn"Dtcxgu" I tqwr" 0 0 0 0 0 0 0 0 0 0 0 0 0 0 "	" 3.699	;7	3:	3.858 "	"332""	57	
Hqt o wnc"Qpg" I tqwr"	" "			"	"		
Hqtownc"3000000000000000000000000000000000000	" ::;:2	ô	5:	:::3; ""	" ô """	39	
Eqtrqtcvg"cpf"qvjgt" 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	"" 4.258	56	475	4.:67 ""	"52"""	ô	
Vqvcn"Hqt o wnc"Qpg" I tqwr"0000000 "	" "33.238	56	4;3	33.886 "	"52""	39	
Gnk o kpcvkqp"*3+0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	" *72:+	ô	ô	*845+"	" ô ""	ô	
Eqpuqnkfcvgf"Nkdgtv{"0000000000"	&""64.686	;74	957	66.573 ""	";67"""	662	

^{*3+}Å Cu"qh" Fgeg o dgt"53."4244"cpf"4243."vjku"c o qwpv"kpenwfgu"vjg"kpvgt i tqwr"kpvgtguvu"kp"vjg"Dtcxgu" I tqwr"jgnf"d{"vjg" Hqt o wnc"Qpg" I tqwr"cpf"vjg"Nkdgtv{"UktkwuZO" I tqwr"cpf"vjg"kpvgt i tqwr"kpvgtguv"kp"vjg"Hqt o wnc"Qpg" I tqwr"jgnf"d{"vjg"Nkdgtv{"UktkwuZO" I tqwr."cu"fkuewuugf"kp"pqvg"40"Vjg"Dtcxgu" I tqwr"kpvgt i tqwr"kpvgtguvu"cvvtkdwvcdng"vq"vjg"Hqt o wnc"Qpg" I tqwr"cpf"vjg"Nkdgtv{"UktkwuZO" I tqwr"ctg"rtgugpvgf"cu"cuugvu"qh"vjg"Hqt o wnc"Qpg" I tqwr"cpf"Nkdgtv{"UktkwuZO""

Pqvgu"vq"Eqpuqnkfcvgf"Hkpcpekcn"Uvcvgogpvu"*Eqpvkpwgf+"

Fgeg o dgt"53."4244."4243"cpf"4242"

I tqwr."tgurgevkxgn{."cpf"ctg"rtgugpvgf"cu"nkcdknkvkgu"qh"vjg"Dtcxgu"I tqwr"kp"vjg"cvvtkdwvgf"hkpcpekcn"uvcvgogpvu0"Vjg"Hqtownc"Qpg"I tqwr"kpvgtitqwr"kpvgtguv"cvvtkdwvcdng"vq"vjg"Nkdgtv{"UktkwuZO"I tqwr"ku"rtgugpvgf"cu"cp"cuugv"qh"vjg"Nkdgtv{"UktkwuZO"I tqwr"kp"vjg"cvvtkdwvgf"hkpcpekcn"uvcvgogpvu0"Vjg"Nkdgtv{"UktkwuZO"I tqwr"kp"vjg"cvvtkdwvgf"hkpcpekcn"uvcvgogpvu0"Vjg"qhhugvvkpi"coqwpvu"dgvyggp"vtcemkpi"uvqem"itqwru"ctg"gnkokpcvgf"kp"eqpuqnkfcvkqp0"

 $Cu"qh"Fgegodgt"53."4242."vjku"coqwpv"ycu"cnuq"eqortkugf"qh"vjg"ecnn"urtgcf"dgvyggp"vjg"Hqtownc"Qpg"Itqwr"cpf"vjg"Nkdgtv{"UktkwuZO"Itqwr"ykvj"tgurgev"vq"vjg"Nkxg"Pcvkqp"ujctgu"vjcv"ygtg"tgcwtkdwvgf"vq"vjg"Nkdgtv{"UktkwuZO"Itqwr0"Fwtkpi"vjg" {gct"gpfgf"Fgegodgt"53."4243."vjg"Nkdgtv{"UktkwuZO"Itqwr"rckf"crrtqzkocvgn{"&5:6"oknnkqp"vq"vjg"Hqtownc"Qpg"Itqwr"vq"ugvvng"kvu"qdnkicvkqp"wpfgt"vjg"ecnn"urtgcf0"}$

 $\label{lem:prop:condition} V\ j\ g"hqnnq\ y\ kp\ i\ "vcdng"\ r\ tqxkfgu"c"tgeqpeknkcvkqp"qh"C\ flwuvg\ f"Q\ kDFC"vq"Q\ r\ gtcvkp\ i\ "kpeq\ o\ g"*nquu+"cpf"Gctpkp\ i\ u"*nquu+"htq\ o\ "eqpvkpwkp\ i\ "q\ r\ gtcvkqpu"dghqtg"kpeq\ o\ g"vczgu<"$

[gctu"gpfgf"Fgeg o dgt"53."
" 4244" """ 4243" "" 4243" 4242"f

Wpcwfkvgf"Cvvtkdwvgf"Hkpcpekcn"Kphqt o cvkqp"hqt"Vtcemkpi"Uvqem" I tqwru"

UWOOCT ["CVVTKDWVGF"HKPCPEKCN"FCVC"

Nkdgtv{"UktkwuZO" I tqwr"

Summary Balance Sheet Data:

	Fgeg o dgt"53."" " 4244" "		F	geg o dgt"53."" 4243"
1		c o qwpvu"kp	" o knnl	kqpu"
Ecuj"cpf"ecuj"gswkxcngpvu"000000000000000000000000000000000000	&	"584""	"	7;:
Kpxguvogpvu"kp"chhknkcvgu."ceeqwpvgf"hqt"wukpi"vjg"gswkv{"ogvjqf000000000000000000000000000000000000	&	":45""	"	:27
Kpvcpikdng"cuugvu"pqv"uwdlgev"vq"coqtvk cvkqp000000000000000000000000000000000000	&	"47.273""	"	46.;75
Kpvcpikdng"cuugvu"uwdlgev"vq"coqtvk cvkqp."pgv"00000000000000000000000000000000000	&	"3.323""	"	3.48;
Vqvcn"cuugvu0000000000000000000000000000000000	&	"52.69;""	"	53.896
Fghgttgf"tgxgpwg"00000000000000000000000000000000000	&	"3.543""	"	3.676
Nqpi/vgt o "fgdv."kpenwfkpi				

Dtcxgu" I tqwr"

Summary Balance Sheet Data:

	Fg	eg o dgt"53."" " 4244" "	Fgeg o dgt"53." 4243"
Ecuj "cpf"ecuj "gswkxcngpvu" 000000000000000000000000000000000000	&	c o qwpvu "k p ' "373""	o knnkqpu" " 364
Rtqrgtv{			

$Hqt\ o\ wnc"Qpg"\ I\ tqwr"$

Summary Balance Sheet Data:

DCNCPEG"UJGGV"KPHQTOCVKQP"

Fgeg o dgt"53."4244" *wpcwfkvgf+"

		Cvvtkdwvgf"*pqvg"3+"				и .	
•		Nkdgtv{""	"	"	"	" "	"
•	""	UktkwuZO" ""	Dtcxgu" "	Hqt o wnc"Qpg	"""""Kpv	vgt/Itqwr"""	Eqpuqnkf cvgf
n .	"""	I tqwr" _"	I tqwr" "	I tqwr"	" Gnk	k o kpcvkqpu"	Nkdgtv{"
				c o qwpvu"kp" o k	nnkqpu	!"	
Assets					" "	"	
Ewttgpv"cuugvu<"					" "	"	
Ecuj "cpf"ecuj "gswkxcngpvu"000000000000000000000000000000000000	(& 584	373	3.955"	"	" ô ""	4.468
Vtcfg"cpf"qvjgt"tgegkxcdngu."pgv" 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		88;	67	345"	"	"	

UVCVGOGPV"QH"QRGTCVKQPU"KPHQTOCVKQP"

Fgeg o dgt"53."4244"

*wpcwfkvgf+"

Cvvtkdwvgf"*pqvg"3+"					
Nkdgtv{""	"	"	"		
UktkwuZO""	Dtcxgu"	"			

UVCVGOGPV"QH"QRGTCVKQPU"KPHQTOCVKQP"

Fgeg o dgt"53."4243"

"*wpcwfkvgf+"

Cvv	tkdwvgf"*pqv	v g "3	B+"	•
Nkdgtv{""	"	"	"	"
Uktkwu ZO "	Dtcxgu"	"	Hqt o wnc"Qpg	Eqpuqnkf cvgf
I tqwr""	I tqwr"	"	I tqwr" "	Nkdgtv{"
	c o awpy	zu"k	p" o kmkapu"	

Tgxgpwg<" Uktkwu"ZO" J qnfkp

UVCVGOGPV"QH"ECUJ"HNQYU"KPHQTOCVKQP"

Fgeg o dgt"53."4243" *wpcwfkvgf+"

	Cvvtkdwvgf"*pqvg"3+"						
	N	Nkdgtv{""	"	"	"		
	Uk	tkwuZO""	Dt cxgu"	" I	Hqt o wnc"Qpg	Eqpuqnkf cvgf	
		I tqwr" "	I tqwr"	"	I tqwr" "	Nkdgtv{"	
1	"		c o qwpv	u"kp"	o knnkqpu"		
Ecuj "hnqyu"htqo"qrgtcvkpi"cevkxkvkgu<"				" "			
Pgv"gctpkpiu"*nquu+"00000000000000000000000000000000000	&	:97	*33	+"	"*342+	966	
Cflwuv o gpvu"vq"tgeqpekng"pgv"gctpkpiu"vq"pgv"ecuj "rtqxkfgf"d{""							
qrgtcvkpi"cevkxkvkgu<"				"			
Fgrtgekcvkqp"cpf"coqtvk cvkqp"000000000000000000000000000000000000		825	94	" "	"5;9"	3.294	
Uvqem/dcugf"eq o rgpucvkqp"000000000000000000000000000000000000		437	34	" "	"4;"	478	
Pqp/ecuj"korcktogpv"cpf"tguvtwevwtkpi"equvu"0000000000000000000		46	ô	" "	" ô "	46	
34"" "4 · "							

UVCVGOGPV"QH"ECUJ"HNQYU"kPHQTOCVkQP"

Fgeg o dgt"53."4242"
*wpcwfkvgf+"

Pqvgu"vq"Cvvtkdwvgf"Hkpcpekcn"Kphqtocvkqp" *wpcwfkvgf+"

*3+\(\hat{A}\) Qp"Crtkn"37."4238."Nkdgtv{"eq o rngvg f"c"tgencuukhkecvkqp"qh"kvu"eq o o qp"uvqem"kpvq"vj tgg"pg y "vtcemkp i "uvqem" i tqwru." qpg" fguk i pcvg f"cu"vj g"Nkdgtv{"Dtcxgu"eq o o qp"uvqem."qpg" fguk i pcvg f"cu"vj g"Nkdgtv{"Og fkc"eq o o qp"uvqem"cp f"qpg" fguk i pcvg f"cu"vj g"Nkdgtv{"UktkwuZO"eq o o qp"uvqem"*vj g"\(\tilde{O}\)Tgecrkvcnk | cvkqp\(\tilde{O}\)+\(\tilde{O}\)Fp"Lcpwct{"4239."vj g"Nkdgtv{"Og fkc" I tqwr" y cu"tgpc o g f"vj g"Nkdgtv{"Hqt o wnc"Qpg" I tqwr"*vj g"\(\tilde{O}\)Hqt o wnc"Qpg" I tqwr\(\tilde{O}\)Hqt o wnc"

 $C"vtcemkpi"uvqem"ku"c"v\{rg"qh"eqooqp"uvqem"vjcv"vjg"kuuwkpi"eqorcp\{"kpvgpfu"vq"tghngev"qt"\$vtcem\$"vjg"geqpqoke"rgthqtocpeg"qh"c"rctvkewnct"dwukpguu"qt"\$itqwr.\$"tcvjgt"vjcp"vjg"geqpqoke"rgthqtocpeg"qh"vjg"eqorcp\{"cu"c"yjqng0"Yjkng"vjg"Nkdgtv\{"UktkwuZO"Itqwr."Dtcxgu"Itqwr"cpf"Hqtownc"Qpg"Itqwr"jcxg"ugrctcvg"eqnngevkqpu"qh"dwukpguugu."cuugvu"cpf"nkcdknkvkgu"cvvtkdwvgf"vq"vjgo."pq"itqwr"ku"c"ugrctcvg"ngicn"gpvkv{"cpf"vjgtghqtg"ecppqv"qyp"cuugvu."kuuwg"ugewtkvkgu"qt"gpvgt"kpvq"ngicm{"dkpfkpi"citggogpvu^2"$

$\begin{aligned} \mathbf{P}qvgu"vq"\mathbf{C}vvtk\mathbf{d}wvg\,\mathbf{f}"Hkpcpekcn"Kphq\,\mathbf{t}\,\,\mathbf{o}\,\,cvkqp"*\mathbf{E}qpvkpwg\,\mathbf{f}+"\\ & *wpcw\,\mathbf{f}\,kvg\,\mathbf{f}+" \end{aligned}$

Pqvgu"vq"Cvvtkdwvgf"Hkpcpekcn"Kphqt o cvkqp"*Eqpvkpwgf+" *wpcwfkvgf+"

 $\label{eq:vjg} Vjg"Urnkv/Qhh"cpf"vjg"Tgencuukhkecvkqp"yknn"dg"uwdlgev"vq"xctkqwu"eqpfkvkqpu0"Dqvj"vtcpucevkqpu"yknn"dg"eqpfkvkqpgf"qp."coqpi"qvjgt"vjkpiu."egtvckp"tgswkukvg"crrtqxcnu"qh"vjg"jqnfgtu"qh"vjg"Eqorcp{\phiu}qenooqp"uvqem"cpf"vjg"tgegkrv"qh"qrkpkqpu"qh"vcz"eqwpugn0"Kp"cffkvkqp."vjg"Urnkv/Qhh"yknn"dg"eqpfkvkqpgf"qp"vjg"tgswkukvg"crrtqxcn"qh"Oclqt"Ngciwg"Dcugdcnn"cpf"vjg"tgegkrv"qh"cp"KTU"twnkpi0"Kp"cffkvkqp."vjg"Tgencuukhkecvkqp"ku"fgrgpfgpv"cpf"eqpfkvkqpgf"qp"vjg"crrtqxcn"cpf"eqorngvkqp"qh"vjg"Urnkv/Qhh."cpf"yknn"pqv"dg"korngogpvgf"wpnguu"vjg"Urnkv/Qhh"ku"eqorngvgf="jqygxgt."vjg"Urnkv/Qhh"ku"pqv"fgrgpfgpv"wrqp"vjg"crrtqxcn"qh"vjg"Tgencuukhkecvkqp"cpf"oc{"dg"korngogpvgf"gxgp"kh"vjg"Tgencuukhkecvkqp"cpf"oc{"dg"korngogpvgf"gxgp"kh"vjg"Tgencuukhkecvkqp"ku"pqv"crrtqxgf0"Gcej"qh"vjg"Urnkv/Qhh"cpf"vjg"Tgencuukhkecvkqp"ku"kpypfgf"vq"dg"vcz/htgg"vq"uvqemjqnfgtu"qh"vjg"Eqorcp{0"Uwdlgev"vq"vjg"ucvkuhcevkqp"qh"vjg"Eqorcp{"gzrgevu"vq"eqorngvg"vjg"Urnkv/Qhh"cpf"vjg"Tgencuukhkecvkqp"kp"vjg"hktuv"jcnh"qh"42450"$

 $\label{thm:linear_property} Hqt"kphqt o cvkqp"tgncvkpi"vq"kpxguv o gpvu"kp"chhknkcvgu"ceeqwpvgf"hqt"wukpi"vjg"gswkv{"o gvjqf"cpf"fgdv."ugg"pqvgu"9"cpf"}; \\ "tgurgevkxgn{."qh"vjg"ceeq o rcp{kpi"eqpuqnkfcvgf"hkpcpekcn"uvcvg o gpvu0"}}$

*4+A Ecuj "eq o rgpucvkqp"gzrgpug"hqt"qwt"eqtrqtcvg"g o rnq{ggu"ku"cmqecvgf"c o qpi "vjg"Nkdgtv{"UktkwuZO" I tqwr."Dtcxgu" I tqwr"cpf"vjg"Hqt o wnc"Qpg" I tqwr"dcugf"qp"vjg"guvk o cvgf" rgtegpvc i g"qh"vk o g"urgpv" rtqxkfkpi "ugtxkegu"hqt"gcej "i tqwr0" Qp" cp" cppwcn" dcuku" guvk o cvgf" vk o g"urgpv" ku" fgvgt o kpgf" vj tqw i j " cp" kpvgtxkg y " rtqeguu" cpf" c" tgxkg y " qh" rgtuqppgn" fwvkgu"wpnguu"vtcpucevkqpu"uk i pkhkecpvn{"ej cp i g"vjg"eq o rqukvkqp"qh"eq o rcpkgu"cpf"kpxguv o gpvu"kp"gkvjgt" tgurgevkxg" i tqwr" y j kej " y qwnf" tgswktg" c" vk o gnkgt" tggxcnwcvkqp" qh" guvk o cvgf" vk o g" urgpv0" Qvjgt" i gpgtcn" cpf" cf o kpkuvtcvkxg"gzrgpugu"ctg"ejctigf"fktgevn{"vq"vjg"i tqwru" y j gpgxgt"rquukdng"cpf"ctg"qvjgt y kug"cnnqecvgf"dcugf"qp" guvk o cvgf"wucig"qt"uq o g"qvjgt"tgcuqpcdn{"fgvgt o kpgf" o gvjqfqnqi{0"Uvqem"eq o rgpucvkqp"tgncvgf"vq"gcej"vtcemkpi" uvqem"ku"ecnewncvgf"dcugf"qp"cevwcn"c y ctfu"qwvuvcpfkpi0"

5+ \dot{A} Yg"jcvwt\$ Oj \ddot{A} hqqgxg" n# nwt * _vf'gxy" o u

$$\label{eq:control_problem} \begin{split} Pqvgu"vq"Cvvtkdwvgf"&Hkpcpekcu"Kphqt\ o\ cvkqp"*Eqpvkpwgf+"\\ & *wpcwfkvgf+" \end{split}$$

The state of the s	gctu"gpfgf"Fgeg o dgt"53."			
1	"""	4244" """"	4243" """""	4242"
T .		c o qwp	ovu"k p " o knnk qp u"	
Eqorwvgf"gzrgevgf"vcz"dgpghkv"*gzrgpug+00000000000000000000000000000000000	&	*635+	"*422+""	34;
$ Uvcvg"cpf"nqecn"kpeq\ o\ g"vczgu."pgv"qh"hg\ fgtcn"kpeq\ o\ g"vczgu\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\$		*89+	"*78+""	*6;+
Hqtgkip"kpeqog"vczgu."pgv"qh"hqtgkip"vcz"etgfkv000000000000000000000000000000000000		7	" ô ""	ô
Kpeq o g"vcz"tgugtxgu"000000000000000000000000000000000000		34	"362""	*3;+
Vczcdng"fkxkfgpfu."pgv"qh"fkxkfgpfu"tgegkxgf"fgfwevkqpu00000000		*9+	"*33+"	*35+
Hgfgtcn"vcz"etgfkvu"000000000000000000000000000000000000		47	"77""	46
Ejcpig"kp"xcnwcvkqp"cnnqycpeg"chhgevkpi"vcz"gzrgpug0000000000000		*57+	"*52+""	3:
Ejcpig"kp"vcz"tcvg""" 0000000000000000000000000000000000		8	" ô ""	ô
Fgfwevkdng"uvqem/dcugf"eqorgpucvkqp000000000000000000000000000000000000		37	"46""	36
Pqp/fgfwevkdng"gzgewvkxg"eqorgpucvkqp000000000000000000000000000000000000		*37+	"*34+"	*34+
Pqp/vczcdng" i ckp"1"pqp/fgfwevkdng"*nquu+00000000000000000000000000000000000		:	"*:+"	ô
Korcktogpv"qh"pqpfgfwevkdng"iqqfyknn 00000000000000000000000000000000000		ô	" ô ""	"*3;6+
Kpvgtitqwr"Kpvgtguv"000000000000000000000000000000000000		*6+	"45""	*39+
Qvjgt."pgv" "				

$$\label{eq:control_problem} \begin{split} Pqvgu"vq"Cvvtkdwvgf"&Hkpcpekcn"Kphqt\ o\ cvkqp"*Eqpvkpwgf+"\\ & *wpcwfkvgf+" \end{split}$$

		Fgeg o dgt"53."		
•	"""	4244" """""	4243"	
•	· · ·	c o qwpvu"kp" o	knnkqpu"	
Fghgttgf"vcz"cuugvu<"		" "		
$\label{lem:vcz} Vcz" nquu" cpf" etgfkv" ectt \{ hqtyctfu 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0$	&	"35""	43	
Qvjgt"ceetwgf"nkcdknkvkgu00000000000000000000000000000000000		"4;"""	66	
$Ceetwg f "uvqem" eq \ o \ rgpucvkqp0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \$		"4""	4	
$Qvjgt"hwvwtg"fgfwevkdng"c\ o\ qwpvu000000000000000000000000000000000000$		"35"""	37	
$Fghgttgf"vcz"cuugvu"\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$		"79"""	:4	
$Xcnwcvkqp"cnnq\ y\ cpeg"\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\$		ô """	ô	
Pgv"fghgttgf"vcz"cuugvu"0000000000000000000000000000000000		"79"""	:4	
Fghgttgf"vcz"nkcdknkvkgu<"		11 11		
Kpvcpikdng"cuugvu"0000000000000000000000000000000000		"58"""	67	
Hkzgf"cuugvu0000000000000000000000000000000000		"7;""	87	
Kpxguv o gpvu000000000000000000000000000000000000		"7"""	3:	
Fghgttgf"tgxgpwg"00000000000000000000000000000000000		"33""	33	
$Fghgttgf"vcz"nkcdknkvkgu"\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$		"333"""	35;	
$Pgv"fghgttgf"vcz"nkcdknkvkgu"0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0$	&	"76"""	79	

$Nkdgtv \{ "Hqt\ o\ wnc" Qpg"\ I\ tqwr"$

 $\verb"Kpeq" o" g" vcz" dgpghkv" * gz" gpug + "eqpukuvu" qh < "$

1		[gctu"gpfgf"Fgegodgt"53."			
1	"""	4244" """	4243" """"	4242"	
" Ewttgpv<"		c o qwpvu"kp" o knnkqpu"			
Hgfgtcn"000000000000000000000000000000000000	&	58	"8"""	"*33+	
Uvcvg"cpf"nqecn"000000000000000000000000000000000000		*9+	"*3+""	" ô	
Hqtgkip"000000000000000000000000000000000000		*46+	"*;+""	"*4+	
п		7	"*6+""	"*35+	
Fghgttgf<"			" "		
Hgfgtcn"000000000000000000000000000000000000		*46+	"*69+""	"63	
Uvcvg"cpf"nqecn"000000000000000000000000000000000000		ô	"3"""	" ô	
Hqtgkip"000000000000000000000000000000000000		552	":9"""	":6	
п		528	"63"""	"347	
$\texttt{Kpeq} \circ \texttt{g"vcz"dgpghkv"*gzrgpug+"} \circ \texttt{0} \circ $	&	533	"59"""	"334	

H/342"

$$\label{eq:control_problem} \begin{split} Pqvgu"vq"Cvvtkdwvgf"&Hkpcpekcu"Kphqt\ o\ cvkqp"*Eqpvkpwgf+"\\ & *wpcwfkvgf+" \end{split}$$

 $\label{lem:condition} \begin{tabular}{ll} $$ \end{tabular} $$$ \end{tabular} $$$$

1	[gctu"gpfgf"Fgeg o dgt"53."					
•	"""	4244" """	4243" """""	4242"		
The state of the s	c o qwpvu"kp" o knnkqpu"					
$Eq\ o\ rwvg\ f"gzrgevg\ f"vcz"dgpghkv"*gzrgpug+00000000000000000000000000000000000$	&	*75+	"55"""	36:		
Uvcvg"cpf"nqecn"kpeqog"vczgu."pgv"qh"hgfgtcn"kpeqog"vczgu 000		*7+	" ô """	ô		
Hqtgkip"kpeqog"vczgu."pgv"qh"hqtgkip"vcz"etgfkv000000000000000000000000000000000000		44	"56""	42		
Vczcdng"fkxkfgpfu."pgv"qh"fkxkfgpfu"tgegkxgf"fgfwevkqpu0000		ô	" ô """	3		
Ejcpig"kp"xcnwcvkqp"cnnqycpeg"chhgevkpi"vcz"gzrgpug0000000		55:	"*327+""	*:9+		
Ejcpig"kp"vcz"tcvg""00000000000000000000000000000000000		ô	"368""	52		
Fgfwevkdng"uvqem/dcugf"eqorgpucvkqp000000000000000000000000000000000000		33	"33"" 0	u ` "		

$Pqvgu"vq"Cvvtkdwvgf"Hkpcpekcu"Kphqt o cvkqp"*Eqpvkpwgf+" \\ *wpcwfkvgf+"$

 $gpvkvng f"vq"31322vj"qh"c"xqvg"rgt"ujctg"kp"egtvckp"nk o kvg f"ecugu"cpf" y knn"qvj gt y kug"pqv"dg"gpvkvng f"vq"xqvg0"Kp" i gpgtcn." jqnfgtu"qh"Ugtkgu"C"cpf"Ugtkgu"D"eq o o qp"uvqem"xqvg"cu"c"ukp i ng"encuu0"Kp"egtvckp"nk o kvg f"ektew o uvcpegu."vjg"dqct f"oc{"gngev"vq"uggm"vjg"crrtqxcn"qh"vjg"jqnfgtu"qh"qpn{"Ugtkgu"C"cpf"Ugtkgu"D"Nkdgtv{"UktkwuZO"eq o o qp"uvqem."qpn{"Ugtkgu"C"cpf"Ugtkgu"D"Nkdgtv{"Hqt o wnc"Qpg"eq o o qp"uvqem."qt"qpn{"Ugtkgu"C"cpf"Ugtkgu"D"Nkdgtv{"Hqt o wnc"Qpg"eq o o qp"uvqem."qt"qpn{"Ugtkgu"C"cpf"Ugtkgu"D"Nkdgtv{"Ugtkgu"D"Nkdgtv{"Ugtkgu"C"cpf"Ugtkgu"D"Nkdgtv{"Ugtkgu"C"cpf"Ugtkgu"D"Nkdgtv{"Ugtkgu"C"cpf"Ugtkgu"D"Nkdgtv{"Ugtkgu"C"cpf"Ugtkgu"D"Nkdgtv{"Ugtkgu"C"cpf"Ugtkgu"D"Nkdgtv{"Ugtkgu"C"cpf"Ugtkgu"D"Nkdgtv{"Ugtkgu"C"cpf"Ugtkgu"D"Nkdgtv{"Ugtkgu"C"cpf"Ugtkgu"D"Nkdgtv{"Ugtkgu"D"Nkdgtv{"Ugtkgu"D"Nkdgtv{"Ugtkgu"D"Nkdgtv{"Ugtkgu"D"Nkdgtv{"Ugtkgu"D"Nkdgtv{"Ugtkgu"D"Nkdgtv{"Ugtkgu"D"Nkdgtv{"Ugtkgu"D"Nkdgtv{"Ugtkgu"D"Nkdgtv{"Ugtkgu"D"Nkdgtv{"Ugtkgu"D"Nkdgtv{"Ugtkgu"D"Nk$

CORPORATE DATA

BOARD OF DIRECTORS

John C. Malone

Chairman n and Libr Midia Cirrain

Robert R. Bennett

Mana in Dir r Hi In . m n. LLC

Derek Chang

E rPa M d'a

Brian M. Deevy

R rol Haol С mm лал, Mola & En ranm л Gr R C Ca a Mar

M. Ian G. Gilchrist

R '(of D ' Γ and Pr , 'of an Tr 'n A ,

Gregory B. Maffei

Privin and Chi E . O in Libr M via Crnain

Evan D. Malone, Ph.D.

Pr. W.n

N Fab S. q' , LLC

Larry E. Romrell

R 'r of E . ' V' Pr . 'of .n T - C mm .n' a ' .n , l.n .

Andrea L. Wong

Frm rPr. Mon, In r.na na Prokin S.n.Pr. r. T. in Frm rPr. Mon, In r.na na S.n.Port. En rainmin

EXECUTIVE COMMITTEE

Robert R. Bennett

Gregory B. Maffei

John C. Malone

COMPENSATION COMMITTEE

M. Ian G. Gilchrist (Cnairman)

Larry E. Romrell

Andrea L. Wong

AUDIT COMMITTEE

Brian M. Deevy (Cnairman)

Derek Chang

Larry E. Romrell

NOMINATING & CORPORATE GOVERNANCE COMMITTEE

Derek Chang (Cnairman)

M. Ian G. Gilchrist

Andrea L. Wong

SENIOR OFFICERS

John C. Malone

Cnairman n an

Gregory B. Maffei

Prid nand Cni E . O r

Renee L. Wilm

Cn'LaO'rand'Cn' Adminira'O'r

Albert E. Rosenthaler

Cui Crra D min Oir

Brian J. Wendling

Chi A . n n O ' rand Prin 'a Finan 'a O ' r

Ben Oren

E . V Pr. Win and Tra. rr

CORPORATE SECRETARY

Michael E. Hurelbrink

CORPORATE HEADQUARTERS

12 00 L'b r . and En d', CO 0112 (20) 5-5400

STOCK INFORMATION

Sr. A and CL'br ra. Cmm.nS (ATRA.), Sr. A and CL'br Frm. a O.n Cmm.nS (FWONA.), and Sr. A, and CL'br Sr. XMC mm.nS (LSXMA.) rad n.n NASDAQG ba S. Mar.

Si. Libir ra Cmm.nS (ATR)andSi. Libir Firm a On Cmm.nS (FWON)ar dinn OTC Mar...

CUSIP NUMBERS

ATRA 5 1229 0 ATR 5 1229 05 ATR 5 1229

FWONA 5 1229 0 FWON 5 1229 2 FWON 5 1229 54

LSXMA 5 1229 409 LSXM 5 1229 50 LSXM 5 1229 0

TRANSFER AGENT

Liberty Media Corporation Shareholder Services

radicid. Cr ra $I_{\rm col}$ rS $^{\circ}$.n P.O. 142

r.o. 142 r.n (d, N_ 11 1 Pn.n:() 9-415 T Fr:(0)52-92

https://shareholder.broadridge.com/lmc

INVESTOR RELATIONS

Snan in in in investor@libertymedia.com
() 2-151

ON THE INTERNET

Vin Libr M d'a Crrain bi a

FINANCIAL STATEMENTS

L'br M d'a Crraininania, a min, ar i d'in n Sirii, and Enan Cmmin. n.Ci. ninania, a min.

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